

Multi Disc Player

Operating Instructions US

Owner's Record

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

Model No. MEX-DV1707U/DV1700U Serial No. _____



Video CD



Made for

iPod iPhone

(((SiriusXM)))
READY

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

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.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.

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

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

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

CAUTION

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

Except for U.S. models

CLASS 1
LASER PRODUCT

This label is located on the bottom of the chassis.

For the State of California, USA only

Perchlorate Material – special handling may apply; See www.dtsc.ca.gov/hazardouswaste/perchlorate
Perchlorate Material: Lithium battery contains perchlorate

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 46).

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 47.

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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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	C D	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
Xvid	Xvid video file
MPEG-4	MPEG-4 video file

Tip

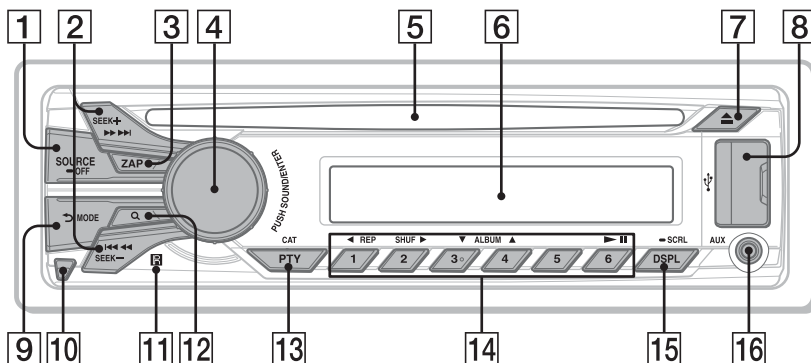
For details on compression formats, see page 54.

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.

- 1 SOURCE/OFF button***1 page 12, 13, 14, 16, 18, 19
Press to turn on the power/change the source (Radio/Disc/USB/AUX).
Press for 1 second to turn off the power.
Press for more than 2 seconds to shut off completely.
- 2 SEEK +/- buttons** page 13, 15, 17, 23
Disc*3/USB:
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.

- 3 ZAP button** page 34
To enter the ZAPPIN™ mode.
- 4 Control dial/SOUND/ENTER button** page 12, 20, 21, 34
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 14, 16
- 6 Display window**
- 7 ▲ (eject) button** page 14, 16
- 8 USB connector** page 18, 19

9 **↩ (BACK)/MODE***^{*1} **button** page 13, 19, 21, 32, 35, 36, 50

Press to return to the previous display/move to the upper level/exit the system setup menu or sound menu/select the radio band (FM/AM)/select an auxiliary device connected to the AUX input jack (front) or AUX IN terminal (rear)/select the play mode of iPod.

Press and hold to enter/cancel the passenger control.

10 **Front panel release button** page 12

11 **Receptor for the card remote commander**

12 **Q (BROWSE) button** page 20, 32

To enter the Quick-BrowZer mode.*⁴

13 **PTY (program type)/CAT***^{*3} **button** page 21

To select PTY in RDS.

14 **Number buttons**

Disc/USB:

①: **◀ REP** page 14, 15, 30, 34, 35

②: **SHUF ▶** page 14, 15, 30, 34, 35

③*²/④: **ALBUM (▼/▲)** page 14, 15, 17, 23, 35

Press to skip an album or folder/move the cursor.

Press and hold to skip albums or folders continuously.

⑥: **▶II (Play/Pause)** page 14, 15, 16, 17, 23

Radio:

Press to receive stored stations.

Press and hold to store stations.

15 **DSPL (display)/SCRL (scroll) button** page 25, 33, 50

Press to change display items.

Press and hold to scroll the display item.

16 **AUX input jack** page 50

To connect a portable audio/video*⁶ device.

*1 If a SiriusXM tuner is connected (U.S. models only): When **(SOURCE/OFF)** is pressed, the connected device ("SIRIUSXM") will appear on the display. Furthermore, if **(MODE)** is pressed, you can switch the SiriusXM tuner band.

*2 This button has a tactile dot.

*3 Operation differs depending on the disc (page 15, 17).

*4 When a CD/MP3/WMA/AAC/JPEG/Xvid/MPEG-4 is played.

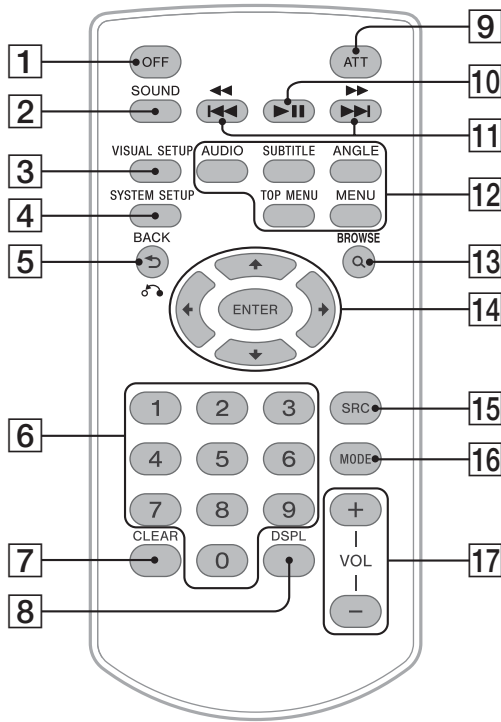
*5 When the SiriusXM tuner is connected (U.S. models only).

*6 iPod with video only.

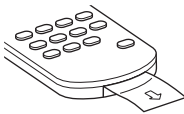
Note

When ejecting/inserting a disc, keep any USB devices disconnected to avoid damage to the disc.

Card remote commander RM-X168



- Refer to the pages listed for details.
- Remove the insulation film before use.



- 1 OFF button** page 14, 16, 18, 19
Press to turn off/stop the source.
Press and hold to shut off completely.
- 2 SOUND button** page 36, 38
To open the sound menu.

- 3 VISUAL SETUP button** page 23, 27, 28, 29, 30, 31, 38, 41
To open the play mode/visual setup menu.

- 4 SYSTEM SETUP button** page 21, 28, 39, 40, 45, 50, 51
To open the system setup menu.

- 5 ↶ (BACK)/↷ button** page 23, 24, 32, 36, 39, 41
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 14, 15, 21, 23, 24, 31, 32

Disc/USB:

To locate a title/chapter/track.

Radio:

Press to receive stored stations.

Press and hold to store stations.

7 **CLEAR button** page 32

To delete an entered number.

8 **DSPL (display) button** page 25, 33, 50

9 **ATT (attenuate) button**

To attenuate the sound (to cancel, press again).

10 **▶|| (play/pause) button** page 14, 15, 16, 17, 23

11 **◀◀◀/▶▶▶▶▶ buttons** page 13, 15, 17, 23

Disc*2/USB:

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 15, 26

To change the audio language/format. (For VCD/CD/MP3/WMA/AAC/MPEG-4/Xvid, to change the audio channel.)

(SUBTITLE): page 15

To change the subtitle language.

(ANGLE): page 15

To change the viewing angle.

(TOP MENU): page 15

To open the top menu on a DVD.

(MENU): page 15

To open the menu on a disc.

13 **Q (BROWSE) button** page 20, 32

To enter the Quick-BrowZer mode.*3

14 **←/↑/↓/→ (cursor)/ENTER buttons**

To move the cursor and apply a setting.

15 **SRC (source) button*4** page 13, 18, 19, 21, 51

To turn on; change the source (Radio/Disc/USB/AUX).

16 **MODE button*4** page 13, 19, 21, 35, 36, 50

Press to select the radio band (FM/AM)/select an auxiliary device connected to the AUX input jack (front) or AUX IN terminal (rear)/select the play mode of iPod.

Press and hold to enter/cancel the passenger control.

17 **VOL (volume) +/- buttons** page 19

*1 When playing with PBC function.

*2 Operation differs depending on the disc (page 15, 17).

*3 When a CD/MP3/WMA/AAC/JPEG/Xvid/MPEG-4 is played.

*4 If a SiriusXM tuner is connected (U.S. models only): When **(SRC)** is pressed, the connected device ("SIRIUSXM") will appear on the display. Furthermore, if **(MODE)** is pressed, you can switch the SiriusXM tuner band.

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.

Getting Started

Performing initial setup

When you first turn on the unit after purchasing it, the display for initial speaker setup appears.



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.**
- 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.”

- 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.

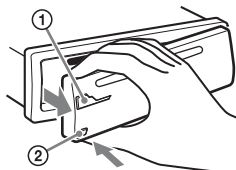
With the card remote commander

Press **↑/↓** instead of rotating the control dial, press **(ENTER)** instead of pressing the control dial.

Detaching the front panel

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

- 1 Press and hold **(SOURCE/OFF)** ①.**
The unit is turned off.
- 2 Press the front panel release button ②, then pull it off towards you.**



Caution alarm

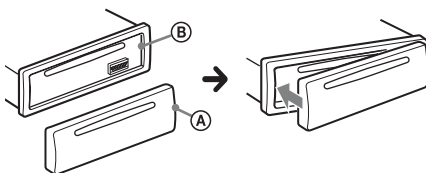
If you turn the ignition switch to the OFF position without detaching the front panel, the caution alarm will sound for a few seconds. The alarm will only sound if the built-in amplifier is used.

Note

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.

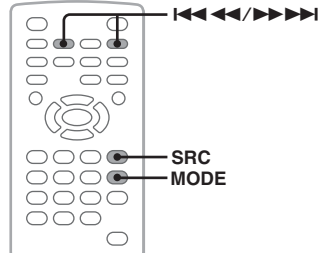
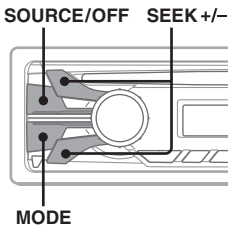
Attaching the front panel

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



Basic Operations

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

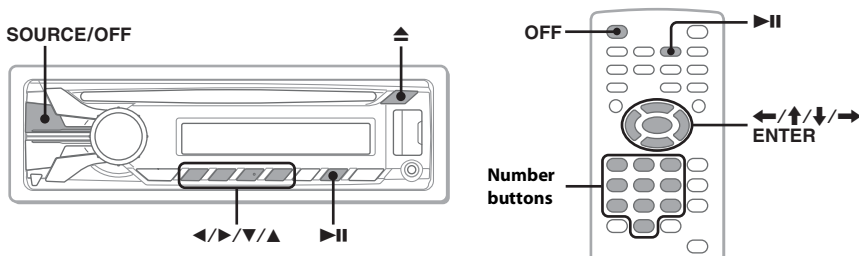
For details on other radio functions, see “Advanced Operations — Radio” on page 21.

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 **▶||**.

3 If the DVD menu appears, press ① (◀)/② (▶)/③ (▼)/④ (▲) to move the cursor, then press ⑥ (▶||) 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 **▲**.

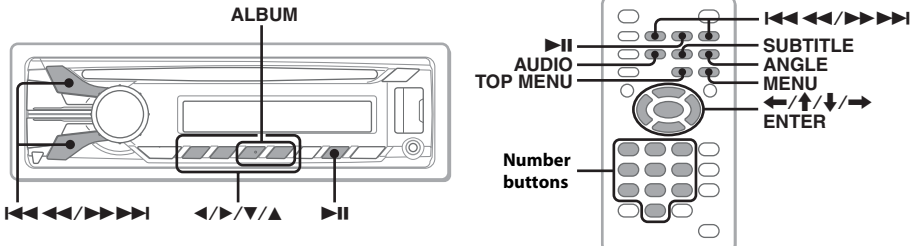
Note

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.

Other playback operations



To	Press
pause/resume play after pause	▶
skip a chapter/track/scene/file	◀◀◀/▶▶▶▶
reverse/fast-forward disc	and hold ◀◀◀◀/▶▶▶▶ momentarily; and then repeatedly to switch the speed (FF1 → FF2 → FF3 → FF1...)
cancel reverse/fast-forward	▶
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 (▶) Remote: ◀/↑/↓/→/number buttons to move the cursor, then press ENTER to confirm
change audio language/format/channel (page 26)*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 62) for the desired language.

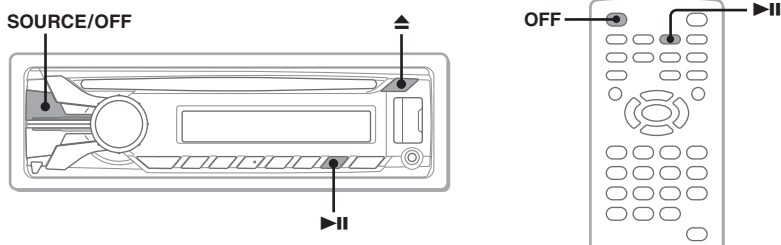
*3 When a Xvid/MPEG-4 is played.

Note on Xvid/MPEG-4 playback

If a disc contains multiple file types, only the selected file type (audio/video/image) can be played. To play Xvid/MPEG-4 video files of such a disc, press **Q** during playback, select "LIST UP VIDEO FILES," then select the desired file (page 32).

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 **▶||**.

To stop playback

Press **(SOURCE/OFF)** for 1 second.

With the card remote commander, press **(OFF)**.

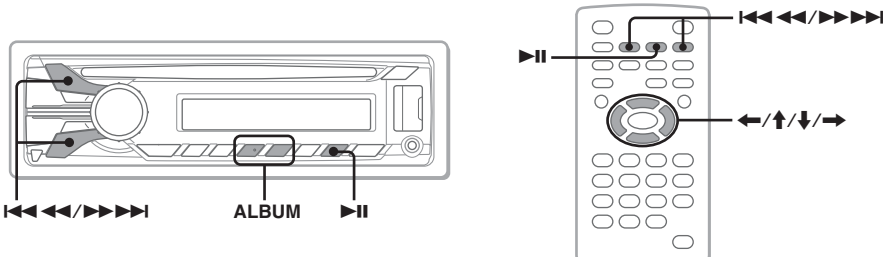
To eject the disc

Press **▲**.

Note

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

Other playback operations



To	Press
pause/resume play after pause	▶
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.

Playing a USB device

- DRM (Digital Rights Management) files may not be played.
- MSC (Mass Storage Class) and MTP (Media Transfer Protocol) type USB devices compliant with the USB standard can be used.
- Corresponding codec is MP3 (.mp3), WMA (.wma), AAC (.m4a), JPEG (.jpg), Xvid (.avi) and MPEG-4 (.mp4).
- Backup of data in a USB device is recommended.

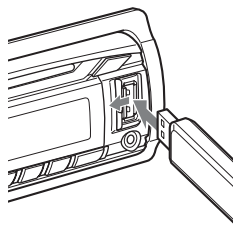
Notes

- Connect the USB device after starting the engine.
Depending on the USB device, malfunction or damage may occur if it is connected before starting the engine.
- A large-sized file may take time to start playing back.

1**Open the USB cover, then connect the USB device to the USB connector with its USB.**

Playback starts automatically.

If a USB device is already connected, to start playback, press **(SOURCE/OFF)** repeatedly until “USB” appears.

**With the card remote commander**

Use **(SRC)** instead of **(SOURCE/OFF)**.

To stop playback

Press **(SOURCE/OFF)** for 1 second.

With the card remote commander, press **(OFF)**.

To disconnect the USB device

Stop playback, then disconnect.

Do not disconnect during playback, as data in the USB device may be damaged.

About the Quick-BrowZer function

The Quick-BrowZer function allows you to easily search for an item in a USB device containing many albums/tracks. For details, see “Listing up tracks/images/video files — Quick-BrowZer” on page 32.

About the ZAPPIN function

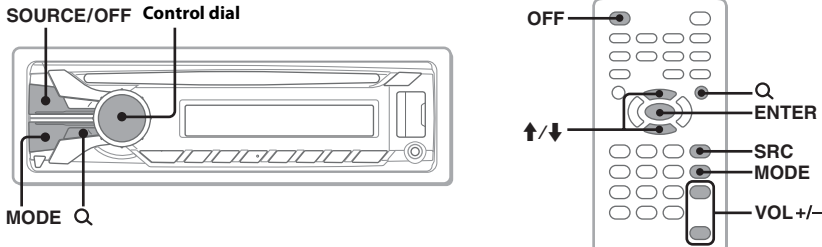
The ZAPPIN function allows you to easily search for a track, for example, in shuffle or shuffle repeat mode. For details, see “Searching a track by listening to track passages — ZAPPIN™” on page 34.

Notes

- Do not use USB devices so large or heavy that they may fall down due to vibration, or cause a loose connection.
- Do not detach the front panel during playback of the USB device, otherwise the data may be damaged.
- This unit cannot recognize USB devices via a USB hub.
- If a USB device contains multiple file types, only the selected file type (audio/video/image) can be played. To play Xvid/MPEG-4 video files or JPEG image files of such a device, press **Q** during playback, select the desired file type (video/image) to list up, then select the desired file (page 32).

Playing an iPod

In this manual, “iPod” is used as a general reference for the iPod functions on the iPod and iPhone, unless otherwise specified by the text or illustrations.



1 Connect the iPod to the USB connector.

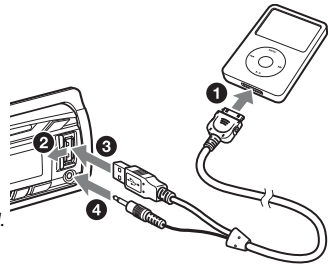
Use of the optional USB connection cable RC-202IPV is recommended.*¹

The following display appears on the iPod screen*², then playback starts from the item last played.

If an iPod is already connected, to start playback, press **(SOURCE/OFF)** repeatedly until “USB” appears. (“IPD” appears when iPod is recognized.)

*¹ To play videos of iPod with video, use of the RC-202IPV is required.

*² May not appear in the case of an iPod touch or iPhone being connected, or that iPod was last played back using passenger control.



2 Press **(MODE)** repeatedly until the desired play mode appears.

The mode changes as follows:

RESUMING*¹ → ALBUM → TRACK → GENRE → PLAYLIST → ARTIST → PODCAST*²

*¹ Appears only when the iPod currently playing is connected.

*² May not appear depending on the iPod setting.

3 Adjust the volume by rotating the control dial.

With the card remote commander

Use **(SRC)** instead of **(SOURCE/OFF)**, **(VOL +/-)** instead of the control dial.

To stop playback

Press **(SOURCE/OFF)** for 1 second.

With the card remote commander, press **(OFF)**.

To play videos of iPod with video

- 1 Press **Q** during playback.
- 2 Rotate the control dial to select “VIDEO,” then press it.
- 3 Rotate the control dial to select the desired play mode, then press it.
- 4 Rotate the control dial to select the desired video, then press it.

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

To disconnect the iPod

Stop playback, then disconnect.

Do not disconnect during playback, as data in the iPod may be damaged.

About the resuming mode

When the iPod currently playing is connected to the dock connector, the mode of this unit changes to resuming mode and playback starts in the mode set by the iPod.

In resuming mode, **(1)** (REP) and **(2)** (SHUF) do not function.

About the Quick-BrowZer function

The Quick-BrowZer function allows you to easily search for an item in an iPod containing many categories/tracks. For details, see “Listing up tracks/images/video files — Quick-BrowZer” on page 32.

Caution for iPhone

When you connect an iPhone via USB, telephone volume is controlled by iPhone itself. In order to avoid sudden loud sound after a call, do not increase the volume on the unit during a telephone call.

Notes

- An auxiliary device connected to the AUX input jack (front) cannot be selected with an iPod connected to the USB connector.
- Do not detach the front panel during playback of the iPod, otherwise data may be damaged.
- This unit cannot recognize iPod via a USB hub.

Tips

- When the ignition key is turned to the ACC position with the unit on, the iPod will be recharged.
- If the iPod is disconnected during playback, “NO DEV” appears in the display of the unit.

Advanced Operations — Radio

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)**.

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.

Receiving stored stations

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

RDS

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

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 (Program Type)

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

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 (U.S. models)

NEWS (News), **INFORM** (Information), **SPORTS** (Sports), **TALK** (Talk), **ROCK** (Rock), **CLS ROCK** (Classic Rock), **ADLT HIT** (Adult Hits), **SOFT RCK** (Soft Rock), **TOP 40** (Top 40), **COUNTRY** (Country), **OLDIES** (Oldies), **SOFT** (Soft), **NOSTALGA** (Nostalgia), **JAZZ** (Jazz), **CLASSICL** (Classical), **R AND B** (Rhythm and Blues), **SOFT R B** (Soft Rhythm and Blues), **LANGUAGE** (Foreign Language), **REL MUSC** (Religious Music), **REL TALK** (Religious Talk), **PERSNLTY** (Personality), **PUBLIC** (Public), **COLLEGE** (College), **WEATHER** (Weather)

Type of programs (Other models)

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)

Note

You may receive a different radio program from the one you select.

Setting CT (Clock Time)

- 1 Set "CT-ON" in system setup (page 46).

Note

The CT function may not work even though an RDS station is being received.

Advanced Operations — Discs

This chapter consists of the following sections.

- **Video-specific operations***
→ page 23 to 29
- **Video*/audio common operations**
→ page 30 to 33
- **Audio-specific operations**
→ page 33

* 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 **▶||**. For details on how to start playback, follow step 1 to 3 of “Playing video discs” on page 14.

Other playback operations

To	Press
rotate the image	Remote: ◀/▶ (rotates every 90°)
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 **Q** during playback, select “LIST UP IMAGE FILES,” then select the desired file (page 32).

Tip

You can also select a file to play using a list (Quick-BrowZer) (page 32).

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 24).
- Resume playback is unavailable during playback without PBC.

Using play mode menu

DVD **VCD** **JPEG** **Xvid** **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.

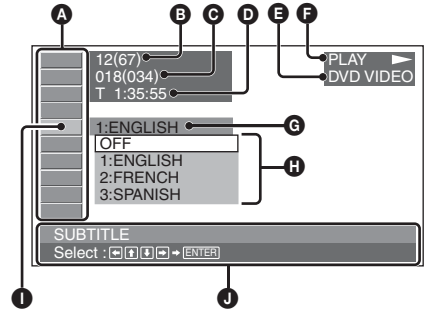
Notes

- 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 41).

E.g., when playing a DVD



- A** Play mode menu items
For details, see "List of play mode menu items" on page 24.
- B** DVD: Title number/Total
VCD: Track number/Total*¹
JPEG: Album number/Total
Xvid/MPEG-4: Album (folder) number/Total
- C** DVD: Chapter number/Total
JPEG: Image number/Total
Xvid/MPEG-4: File number/Total
- D** Elapsed playback time*²
- E** Format
- F** Playback status (PLAY ►, PAUSE ||, etc.)
- G** Current setting
- H** Options
- I** Selected item
- J** Selected item name and/or operation assist messages

*¹ When playing a VCD with the PBC function (page 23), no indication appears.

*² During JPEG or VCD with the PBC function playback, no indication appears.

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 31

To select a title, scene or track to play.

DVD **VCD**

ALBUM 31

To select an album or folder to display.

JPEG **Xvid** **MPEG-4**



CHAPTER 31

To select a chapter to play.

DVD



IMAGE 31

To select an image to display.

JPEG



FILE 31

To select a video file to play.

Xvid

MPEG-4



TIME 31

To check the elapsed playback time; input time code.

DVD

VCD

Xvid

MPEG-4



AUDIO 15, 26

To change the audio language/format/channel; check the program format.

DVD

VCD

Xvid

MPEG-4



SUBTITLE 15

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

DVD



ANGLE 15

To change the angle.

DVD *



CENTER ZOOM 28

To magnify an image.

DVD

VCD

Xvid

MPEG-4



REPEAT 30

To play a title/chapter/track/album/image/video file repeatedly.

DVD

VCD

JPEG

Xvid

MPEG-4



SHUFFLE 30

To play chapters/tracks/images/video files in random order.

DVD *

VCD

JPEG

Xvid

MPEG-4



PICTURE EQ 28

To adjust picture quality.

DVD

VCD



JPEG

Xvid

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

Xvid

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.

Time information



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

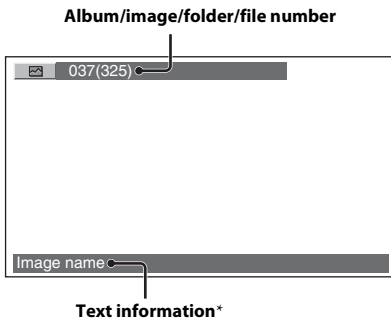
- Album number/Total
- Image number/Total

Xvid/MPEG-4 playback

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

Checking text information

The text information (album name, image name, etc.) of JPEG/Xvid/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)

Xvid/MPEG-4 playback

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

Configuring audio settings

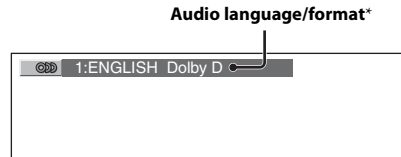
Note

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

Changing the audio language/format

For DVD, the audio language can be changed if the disc is recorded with multilingual tracks. For DVD, 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 Xvid, 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 62) 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



When playing VCD/CD/MP3/WMA/AAC/MPEG-4/Xvid, 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)

1 During playback, press **(AUDIO)** repeatedly until the desired audio channel appears.

E.g., when playing an MP3

Audio channel



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 24).

Checking the program format

DVD

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

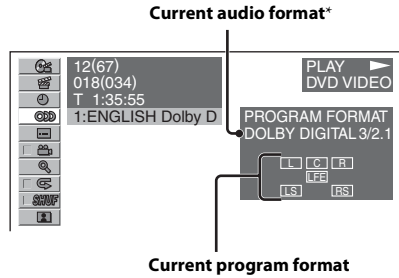
1 During playback, press

(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)

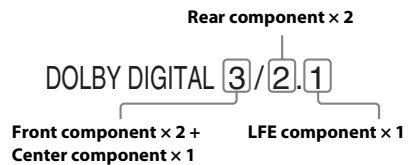
[RS]: Rear (right)

[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** **Xvid** **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** **Xvid** **MPEG-4**

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

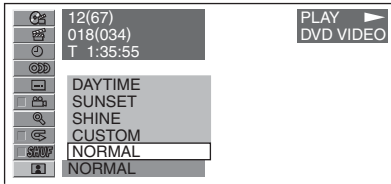
1 During playback, press

(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 43).

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 depending on whether the light is on/off.

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 29).

When set to “LIGHT ON”/“AUTO” (with light 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 light 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

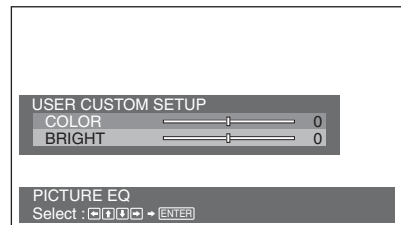
(VISUAL SETUP).

The play mode menu appears.

2 Press **↑/↓** to select **[PICTURE EQ]** (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.

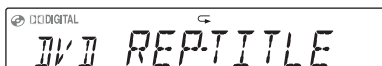
5 Press **(ENTER)**.

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

Repeat and shuffle play

DVD **VCD** **CD** **MP3** **WMA**
AAC **JPEG** **Xvid** **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 CHAPTER: Repeats the current chapter. TITLE: Repeats the current title.
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.
Xvid MPEG-4	OFF FILE: Repeats the current video file. ALBUM: Repeats the current album (folder).

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 CD	OFF DISC: Plays tracks in current disc in random order.
MP3 WMA AAC JPEG Xvid 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

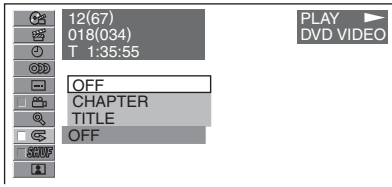
DVD **VCD** **JPEG** **Xvid** **MPEG-4**

- 1 During playback, press

(VISUAL SETUP).

The play mode menu appears.

2 Press **↑/↓** to select **⏮** or **SHUFF**, 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



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



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

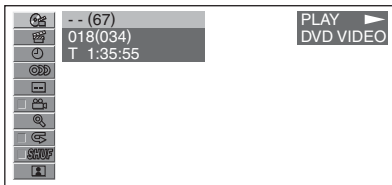
Disc/Format	Items
DVD	<ul style="list-style-type: none"> TITLE Starts playing from a selected title. CHAPTER Starts playing from a selected chapter. TIME Starts playing from the point determined by the input time code.
VCD*	<ul style="list-style-type: none"> TRACK Starts playing from a selected track.
JPEG	<ul style="list-style-type: none"> ALBUM Starts playing from a selected album. IMAGE Starts playing from a selected image.
Xvid MPEG-4	<ul style="list-style-type: none"> 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

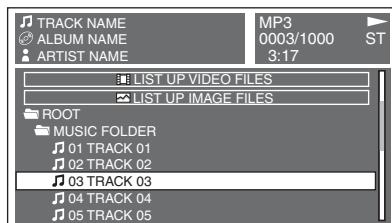
Selecting a track/image/video file



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/Xvid/MPEG-4 format or USB device containing many albums/tracks, etc.

- 1 During playback, press **Q**.

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



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 **Q**.
- 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 Xvid/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)**.

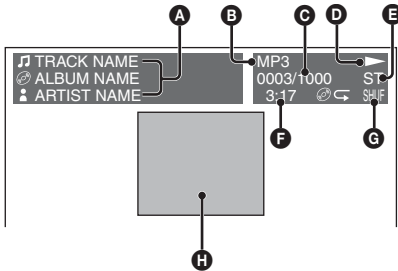
Viewing audio disc information

- 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



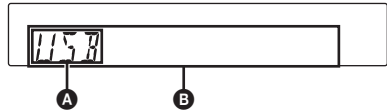
- A** Track number or track name
Disc name/Album name
Artist name
- B** Format
- C** Track number/Total
- D** Playback status (▶, ||, etc.)
- E** Current audio channel
When playing CD/MP3/WMA/AAC, the audio channel can be changed. For details, see “Changing the audio channel” on page 26.
- F** Elapsed playback time
- G** Current play mode
- H** Album Artwork Display/Wallpaper

Tip

You can select a track to play using a list (Quick-BrowZer) (page 32).

Advanced Operations — USB Devices

Display items during playback



- A** Source
- B** Track name, Artist name, Album number*, Album name, Track number/Elapsed playing time, Clock

* Album number is displayed only when the album is changed.

To change display items **B**, press **(DSPL)**.

For details on display items on the monitor, see “Viewing audio disc information” on page 33.

Notes

- Displayed items will differ, depending on the USB device, recorded format and settings. For details, visit the support site.
- The maximum number of displayable data is as follows.
 - folders (albums): 256
 - files (tracks): 2,000
- Do not leave a USB device in a parked car, as malfunction may result.
- It may take time for playback to begin, depending on the amount of recorded data.
- During playback or fast-forward/reverse of a VBR (Variable Bit Rate) MP3/WMA/AAC file, elapsed playing time may not display accurately.
- Playback of a lossless compression file is not supported.

Repeat and shuffle play

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

Select	To play
REP-TRACK	track repeatedly.
REP-ALBUM	album repeatedly.
SHUF-ALBUM	album in random order.
REP-DRIVE*	drive repeatedly.

* When two or more drives are created on the USB device.

To return to normal play mode, select “REP-OFF” or “SHUF-OFF.”

Searching a track by listening to track passages — ZAPPIN™

MP3

WMA

AAC

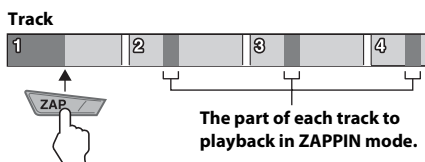
While playing back short track passages in an USB device in sequence, you can search for a track you want to listen to.

This function is convenient, for example, when searching for a track in shuffle or shuffle repeat mode.

- 1 Press **ZAP** on the main unit during playback.

After “ZAPPIN” appears in the display, playback starts from a passage of the next track.

The passage is played for the set time, and a beep sounds before the next passage starts.



- 2 Press the control dial or **ZAP** when a track you want to listen is played back.

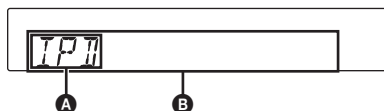
The track that you select returns to normal play mode from the beginning. To search a track by ZAPPIN mode again, repeat steps 1 and 2.

Tips

- You can change the playback time (page 48), but cannot select the track passage to play back.
- You can deactivate the beep sound between track passages (page 48).

Advanced Operations — iPod

Display items during playback



- A** Source (iPod) indication
- B** Track name, Artist name, Album name, Track number/Elapsed playing time, Clock

To change display items **B**, press **(DSP)**.

Tip

When album/podcast/genre/artist/playlist is changed, its item number appears momentarily.

Note

Some letters stored in iPod may not be displayed correctly.

Setting the play mode

- 1** During playback, press **(MODE)** repeatedly until the desired play mode appears.

The mode changes as follows:

For audio playback

ALBUM → **TRACK** → **GENRE** → **PLAYLIST** → **ARTIST** → **PODCAST***

For video playback

MOVIE → **RENTAL** → **TV SHOW** → **MUSIC VIDEO** → **PLAYLIST** → **VIDEO PODCAST***

* May not appear depending on iPod setting.

Skipping albums, podcasts, genres, playlists and artists

To	Press
skip	Main unit: (3) (ALBUM ▼)/ (4) (ALBUM ▲)
skip continuously	Main unit: and hold (3) (ALBUM ▼)/ (4) (ALBUM ▲)

Repeat and shuffle play

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

For audio playback

Select	To play
TRACK	track repeatedly.
ALBUM	album repeatedly.
PODCAST	podcast repeatedly.
ARTIST	artist repeatedly.
PLAYLIST	playlist repeatedly.
GENRE	genre repeatedly.
SHUF ALBUM	album in random order.
SHUF PODCAST	podcast in random order.
SHUF ARTIST	artist in random order.
SHUF PLAYLIST	playlist in random order.
SHUF GENRE	genre in random order.
SHUF DEVICE	device in random order.

For video playback

Displayed options may not conform to actual operation.

Select	To play
↶ TRACK	track repeatedly.
↶ RENTAL	rental movie repeatedly.
↶ TV SHOW	TV show repeatedly.
↶ MUSIC-V	music video repeatedly.
↶ PLAYLIST	playlist repeatedly.
↶ PODCAST	video podcast repeatedly.

After 3 seconds, the setting is complete.

To return to normal play mode, select “↶ OFF” or “SHUF OFF.”

Operating an iPod directly — Passenger control

You can operate an iPod connected to the dock connector directly.

1 During playback, press and hold **(MODE)**.

“MOD-IPOD” appears and you can operate the iPod directly.

To exit the passenger control

Press and hold **(MODE)**.

“MOD-AUDIO” appears and the mode changes to “RESUMING.”

Notes

- In the passenger control mode, the video of iPod with video is not output to the monitor.
- The volume can be adjusted only by the unit.
- The repeat setting will be off if the passenger control mode is canceled.

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 **↶**.

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 37).

POS (Position): Selects the listening position (page 37).

POS SUB*³ (Subwoofer position): Selects the subwoofer position from your listening position: “NEAR,” “NORM,” “FAR” (page 38).

RBE (Rear Bass Enhancer): Uses rear speakers as a subwoofer: “OFF,” “1,” “2,” “3” (page 37).

- *1 Appears only when “REAR/SUB” is set to “SUB OUT” (page 46).
- *2 Appears only when a disc/USB device is played.
- *3 Appears only when “REAR/SUB” is set to “SUB OUT” (page 46), and the “POS” is set to “FRONT L”/“FRONT R”/“FRONT”/“ALL” (page 37).

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/USB device 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 36.

Note

CSO is effective only when “MULTI CH OUTPUT” is set to “MULTI” (page 44), 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 49) 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 36.

Optimizing sound for the listening position — Intelligent Time Alignment

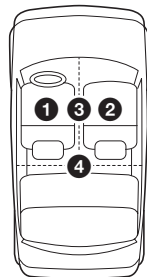
The unit can change the localization of sound by delaying the sound output from each speaker to suit your position, and simulate a natural sound field with the feeling of being in the center of it wherever you sit in the car.

The setting is configurable both from the sound menu (page 36) and the visual setup menu (page 41).

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

FRONT L (1): Front left
FRONT R (2): Front right
FRONT (3): Center front

ALL (4): 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 39.

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 36.

By the visual setup menu

1 Press **(VISUAL SETUP)** while the unit is off.

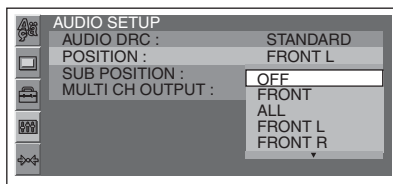
The visual setup menu appears.

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 46).
- The listening position is set to “FRONT L,” “FRONT R,” “FRONT” or “ALL” (page 37).

The setting is configurable both from the sound menu (page 36) and the visual setup menu (page 41).

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 36.

By the visual setup menu

1 Press **(VISUAL SETUP)** while the unit is off.

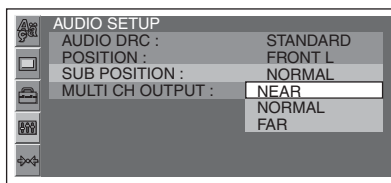
The visual setup menu appears.

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 45) and the visual setup menu (page 41).

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 46).

- 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).

A rectangular display box showing the text "POS FL 100CM" in a digital font.

- 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

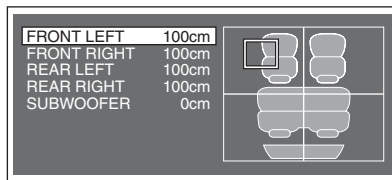
Press and hold the control dial instead of pressing **(SYSTEM SETUP)**, rotate the control dial instead of pressing **↑/↓**, press the control dial instead of **(ENTER)**.

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 37.

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)**.

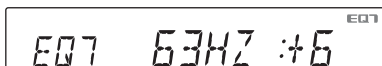
Tip

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: 63 Hz, 160 Hz, 400 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)**.

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

Tip

Other equalizer types are also adjustable.

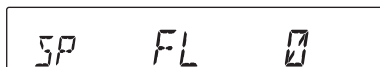
With the main unit

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 46).

- 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 41)**

Allows configuration of visual-related items (by the monitor).

- **System setup menu (page 45)**

Allows configuration of system-related items (by the main unit).

Visual setup

The visual setup menu includes the following categories.

**LANGUAGE SETUP** (page 42)

Sets the menu, subtitle language, etc.

**DISPLAY SETUP** (page 42)

Adjusts the settings of the connected monitor.

**CUSTOM SETUP** (page 43)

Customizes the playback of discs.

**AUDIO SETUP** (page 44)

Adjusts the sound settings according to the disc.

**RESET** (page 45)

Resets all setting items.

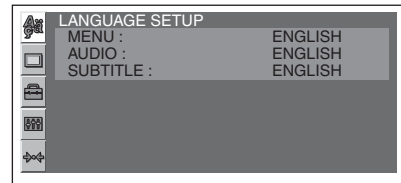
Basic operation of visual setup

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

E.g., when setting the aspect ratio to “4:3 PAN SCAN.”

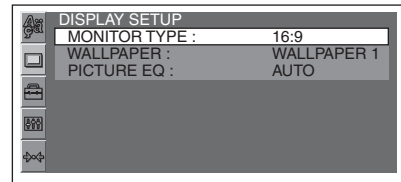
1 Press (VISUAL SETUP) while the unit is off.

The visual setup menu appears.



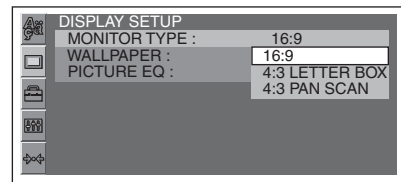
2 Press ↑/↓ to select (DISPLAY SETUP), then press (ENTER).

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 \uparrow/\downarrow and (ENTER) . For details on this procedure, see “Basic operation of visual setup” on page 41.



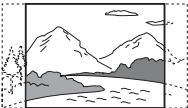
Item	Purpose
MENU	To change the disc’s menu language.
AUDIO	To change the soundtrack language.
SUBTITLE	To change the subtitle language recorded on the disc.



Display setup

Select (DISPLAY SETUP), then select the desired item and option below, using \uparrow/\downarrow and (ENTER) . For details on this procedure, see “Basic operation of visual setup” on page 41.

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. WALLPAPER 1: U.S. models (●) WALLPAPER 2: Except for U.S. models (●)

Item	Option	Purpose
PICTURE EQ (page 28) DVD VCD JPEG Xvid MPEG-4 Selects the setting option to show in the play mode menu.	AUTO (●)	To switch the night time/day time use options automatically depending on whether the light is on/off. (Available only when the illumination control lead is connected.)
	LIGHT ON	To show the night time use options.
	LIGHT OFF	To show the day time use options.

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 41.

Follow the page reference for details. “●” indicates the default setting.

Item	Option	Purpose
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 * VCD Xvid 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.
USB RESUME Xvid MPEG-4	ON (●)	To store the resume settings in memory.
	OFF	To not store the resume settings in memory.
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.

Item	Option	Purpose
PBC (Playback control) VCD	ON (●)	To activate the PBC function.
	OFF	To deactivate the PBC function.

* DVD VIDEO only.



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 41.

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 37) 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 39).
SUB POSITION *2 (page 38)	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 46), and the “POSITION” is set to “FRONT L”/“FRONT R”/“FRONT”/“ALL.”



Resetting all settings

All settings in visual setup can be reset. Select (RESET), then “RESET ALL SETTINGS,” “YES” using \uparrow/\downarrow and ENTER .

For details on this procedure, see “Basic operation of visual setup” on page 41.

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 46)
- **DSPL**: Display settings (page 47)
- **P/M**: Play mode settings (page 48)
- **R/M**: Receive mode settings (page 48)
- **SND**: Sound settings (page 49)

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 \uparrow/\downarrow to select “DEMO,” then press ENTER .

The option appears.



DSPL DEMO ON

- 3** Press \uparrow/\downarrow 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 \uparrow/\downarrow , 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 50)	–	–	
CT (Clock Time) (page 21, 22)	ON	To activate the CT function.	Any status.
	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 (Except for U.S. models (●)).	Unit off.
	NTSC	To set to NTSC (U.S. models only (●)).	
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.	Any status.
	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.	

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/disc/USB 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.	AUTO (●)	To dim the display automatically when you turn lights on. (Available only when the illumination control lead is connected.)	Any status.
	ON	To dim the display.	
	OFF	To deactivate the dimmer.	
AUTO-SCRL (Auto Scroll) Scrolls long items automatically.	ON (●)	To scroll.	During disc/USB playback.
	OFF	To not scroll.	

* Except for U.S. models.

P/M (Play mode)

Item	Option	Purpose	Unit status
ZAP TIME (Zappin Time) Selects the playback time for the ZAPPIN function.	Z.TIME 1	To play for about 6 seconds.	During USB playback.
	Z.TIME 2 (●)	To play for about 15 seconds.	
	Z.TIME 3	To play for about 30 seconds.	
ZAP BEEP (Zappin Beep)	ON (●)	To have the beep sound between track passages.	
	OFF	To not have the beep sound between track passages.	

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 21)	–	–	During radio reception.
PARENTAL* (page 51) Sets the parental lock and edits the passcode.	ON	To activate the parental lock.	During SiriusXM tuner reception.
	OFF (●)	To deactivate the parental lock.	
IF*	WIDE	To hear stereo broadcasts with full frequency reception.	During FM reception.
	AUTO (●)	To narrow the reception frequency automatically.	

* U.S. models only.

SND (Sound)

Item	Option	Purpose	Unit status
EQ7 TUNE (page 40)	–	–	During radio reception/ playback.
AUX-LEVEL (page 51)	(–8 ~ +18) ●: 0	To select the level.	During AUX playback.
DVD-LEVEL (page 27)	ADJUST-ON	To allow for adjusting the output level of Dolby Digital format.	During disc playback.
	ADJUST-OFF (●)	To deactivate the level adjustment.	
DOLBY-ADJ (Dolby Level Adjust) (page 27)* 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 39)	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 “ADJUST-ON.”

*2 Appears only when “REAR/SUB” is set to “SUB OUT” (page 46).

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

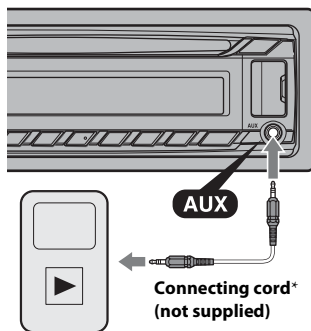
You can connect auxiliary devices to the unit, and listen on your car speakers. Up to 2 devices can be connected, one to the AUX input jack (stereo mini jack) on the front, and the other to the AUX AUDIO IN terminals on the rear. The volume level is adjustable for any difference between the unit and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

SiriusXM tuner (U.S. models only)

By connecting an optional SiriusXM tuner, you can use the features and functions of the SiriusXM satellite radio (Sirius and XM subscriptions sold separately). For more details on the services, visit the following web site:

<http://www.siriusxm.com/>

Selecting channels

- 1 During playback, press **Q (BROWSE)** to enter the browse mode.

- 2 Rotate the control dial to select the desired channel, then press it.

Selecting categories

- 1 During playback, press **(PTY/CAT)** on the main unit to enter browse mode.
- 2 Rotate the control dial to select the desired category, then press it.

Parental control

The channels containing unsuitable contents for children are preset to block. To unblock the channel, enter the passcode.

- 1 On the system set up menu (page 48), rotate the control dial to select “PARENTAL,” then press it.
- 2 Rotate the control dial to select “LOCK SEL,” then press it.
- 3 Rotate the control dial to select “OFF,” then press it.
- 4 On the passcode input display, enter the four-digit passcode, then press the control dial.
The initial passcode is “0000.”

To change the passcode

- 1 On the system set up menu (page 48), rotate the control dial to select “PARENTAL,” then press it.
- 2 Rotate the control dial to select “CODE EDIT,” then press it.
- 3 On the current passcode input display, enter the current passcode, then press the control dial.
The initial passcode is “0000.”
- 4 On the new passcode input display, enter new 4-digit passcode, then press the control dial.

Displaying the SiriusXM Radio ID

- 1 During playback, press **Q (BROWSE)** to enter the browse mode.
- 2 Rotate the control dial to select the channel “0,” then press it.

Changing display items

Press **DSPL**.

Additional Information

Precautions

- Cool off the unit beforehand if your car has been parked in direct sunlight.
- Do not leave the front panel or audio devices brought in inside the car, or it may cause malfunction due to high temperature 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.

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 53).
- 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.

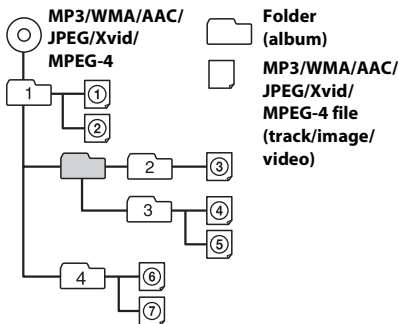
Notes on Multi Session CDs/Multi Border DVDs

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/Xvid/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 32.

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

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

- Profile: MPEG-4 Simple profile
- Bit rate: Max. 7 Mbps on USB FS, 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

About iPod

- You can connect to the following iPod models. Update your iPod devices to the latest software before use.

Made for

- iPod touch (4th generation)
- iPod touch (3rd generation)
- iPod touch (2nd generation)
- iPod touch (1st generation)
- iPod classic
- iPod with video*
- iPod nano (6th generation)
- iPod nano (5th generation)
- iPod nano (4th generation)
- iPod nano (3rd generation)
- iPod nano (2nd generation)
- iPod nano (1st generation)*
- iPhone 4
- iPhone 3GS
- iPhone 3G
- iPhone

* Passenger control is not available for iPod nano (1st generation) or iPod with video.

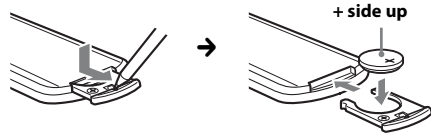
- “Made for iPod,” and “Made for iPhone” mean that an electronic accessory has been designed to connect specifically to iPod or iPhone, respectively, and has been certified by the developer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. Please note that the use of this accessory with iPod or iPhone may affect wireless performance.

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

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

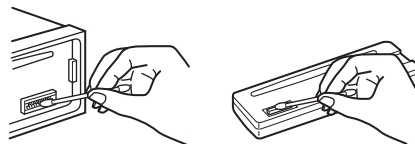
- Keep the lithium battery out of the reach of children. Should the battery be swallowed, immediately consult a doctor.
- Wipe the battery with a dry cloth to assure a good contact.
- Be sure to observe the correct polarity when installing the battery.
- Do not hold the battery with metallic tweezers,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

WARNING

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

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



Notes

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

Specifications

AUDIO POWER SPECIFICATIONS



CEA2006 Standard
Power Output: 17 Watts RMS \times 4 at
4 Ohms < 1% THD+N
SN Ratio: 80 dBA
(reference: 1 Watt into 4 Ohms)

System

Laser: Semiconductor laser

Signal format system: PAL/NTSC switchable

Tuner section

FM

Tuning range

U.S. models: 87.5 - 107.9 MHz
Other models: 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

U.S. models: 530 - 1,710 kHz
Other models: 531 - 1,602 kHz

Antenna (aerial) terminal:

External antenna (aerial) connector

Intermediate frequency: 25 kHz

Sensitivity: 26 μ V

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

USB Player section

Interface: USB (Full-speed)

Maximum current: 1 A

Power amplifier section

Outputs: Speaker outputs

Speaker impedance: 4 - 8 ohms

Maximum power output: 52 W \times 4 (at 4 ohms)

General

Outputs:

Video output terminal

Audio output terminals (front, rear/sub switchable)

Power antenna (aerial)/Power amplifier control terminal (REM OUT)

Inputs:

Illumination control terminal

AUX audio input terminals

Remote controller input terminal

Antenna (aerial) input terminal

Parking break control terminal

AUX input jack (stereo mini jack)

USB signal input connector

SiriusXM input terminal (U.S. models only)

Power requirements: 12 V DC car battery (negative ground (earth))

Dimensions: Approx. 178 \times 50 \times 179 mm (7 ¹/₈ \times 2 \times 7 ¹/₈ in) (w/h/d)

Mounting dimensions: Approx. 182 \times 53 \times 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 accessories/equipment:

Mobile monitor: XVM-B62

USB connection cable for iPod: RC-202IPV

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

Design and specifications are subject to change without notice.

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  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.

For details on using the fuse and removing the unit from the dashboard, refer to the installation/connections manual supplied with this unit.

If the problem is not solved, visit the support site on the back cover.

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 46).
- An optional power amplifier is connected and you are not using the built-in amplifier.

The contents of the memory have been erased.

- 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 47).
- 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 55).

The display disappears while the unit is operating.

- The Black Out function is set to on (page 47).

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 47).

Radio reception

The stations cannot be received.

The sound is hampered by noises.

- The connection is not correct.
 - Connect the REM OUT lead (blue/white striped) 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 REM OUT lead.
 - If the auto antenna (aerial) will not go up, check the connection of the REM OUT 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 48).
 - Tuning does not stop at a station:
Set “LOCAL-OFF” (page 48).
- 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 48).

An FM program broadcast in stereo is heard in monaural.

- The unit is in monaural reception mode.
 - Set “MONO-OFF” (page 48).

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 46).

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 27).
- The volume is too low.
- The ATT function is activated, or the Telephone ATT function (when the interface cable of a car telephone is connected to the ATT lead) 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 53).
- The disc format and file version are incompatible with this unit (page 7, 53).
- Press **▲** to remove the disc.

MP3/WMA/AAC/JPEG/Xvid/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 53).
- The file extension is incorrect (page 54).
- Files are not stored in MP3/WMA/AAC/JPEG/Xvid/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 32).

MP3/WMA/AAC/JPEG/Xvid/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 43) 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 14).
- 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 47).

USB playback

Cannot play back items via a USB hub.

- This unit cannot recognize USB devices via a USB hub.

Cannot play back items.

- Reconnect the USB device.

The USB device takes longer to play back.

- The USB device contains large-sized files or files with a complicated tree structure.

A beep sounds.

- During playback, the USB device has been disconnected.
 - Before disconnecting a USB device, make sure to stop playback first for data protection.

The sound is intermittent.

- The sound may be intermittent at a high-bit-rate of more than 320 kbps.

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.
- USB device was not automatically recognized.
 - Reconnect it again.
- Press ▲ to remove the disc.

FAILURE

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

HUB NO SUPRT (HUB Not Support)

- USB hub is not supported on this unit.

L. SEEK +/-

- The local seek mode is on during automatic tuning.

NO DEV (No Device)

- USB is selected as source without a USB device connected. A USB device or a USB cable has been disconnected during playback.
 - Be sure to connect a USB device and USB cable.

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.

OVERLOAD

- USB device is overloaded.
 - Disconnect the USB device, then change the source by pressing (SOURCE/OFF).

- Indicates that the USB device is out of order, or an unsupported device is connected.

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.

USB NO SUPRT (USB Not Support)

- The connected USB device is not supported.
 - For details on the compatibility of your USB device, visit the support site.

"LLLL" or "rrrr"

- 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.

For SiriusXM (U.S. models only):

CH LOCKD (Channel Locked)

- The selected channel is locked by the parental control function.

CH UNAVL (Channel Unavailable)

- The selected channel is not available.
- The active channel has become unavailable.

CH UNSUB (Channel Unsubscribed)

- There is no subscription to the selected channel.
- The subscription to the active channel has been terminated.

CHK TUNR (Check Tuner)

- The SiriusXM tuner is not functioning properly.
 - Disconnect the SiriusXM tuner, and connect it again.

CHEK ANT (Check Antenna)

- The antenna (aerial) is not being used properly.
 - Make sure the antenna (aerial) is connected and being used properly.

NOSIGNAL (No Signal)

- The service is stopped due to a signal interruption.

SUB UPDT (Subscription Updated),
PRESS ENTER

- Your subscription has been updated.
 - Press the enter button.

On the monitor

Cannot play this disc.

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

Hubs not supported.

- USB hub is not supported on this unit.

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.

The connected USB device is not supported.

- For details on the compatibility of your USB device, visit the support site.

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; Bangla	1248	Indonesian	1393	Occitan	1528	Thai
1067	Tibetan	1253	Icelandic	1403	(Afan)Oromo	1529	Tigrinya
1070	Breton	1254	Italian	1408	Oriya	1531	Turkmen
1079	Catalan	1257	Hebrew	1417	Punjabi	1532	Tagalog
1093	Corsican	1261	Japanese	1428	Polish	1534	Setswana
1097	Czech	1269	Yiddish	1435	Pashto;	1535	Tonga
1103	Welsh	1283	Javanese		Pushto	1538	Turkish
1105	Danish	1287	Georgian	1436	Portuguese	1539	Tsonga
1109	German	1297	Kazakh	1463	Quechua	1540	Tatar
1130	Bhutani	1298	Greenlandic	1481	Rhaeto-	1543	Twì
1142	Greek	1299	Cambodian		Romance	1557	Ukrainian
1144	English	1300	Kannada	1482	Kirundi	1564	Urdu
1145	Esperanto	1301	Korean	1483	Romanian	1572	Uzbek
1149	Spanish	1305	Kashmiri	1489	Russian	1581	Vietnamese
1150	Estonian	1307	Kurdish	1491	Kinyarwanda	1587	Volapük
1151	Basque	1311	Kirghiz	1495	Sanskrit	1613	Wolof
1157	Persian	1313	Latin	1498	Sindhi	1632	Xhosa
1165	Finnish	1326	Lingala	1501	Sangho	1665	Yoruba
1166	Fiji	1327	Laothian	1502	Serbo-	1684	Chinese
1171	Faroese	1332	Lithuanian		Croatian	1697	Zulu
1174	French	1334	Latvian;	1503	Singhalese		
1181	Frisian	1345	Letkish	1505	Slovak		
			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 Kingdom
2079	Canada	2254	Italy	2424	Philippines		
2090	Chile	2276	Japan	2436	Portugal		
2092	China	2304	Korea	2489	Russia		
2115	Denmark	2363	Malaysia	2501	Singapore		

If you have any questions/problems regarding this product, try the following:

1 *Read Troubleshooting in these Operating Instructions.*

2 *Please contact (U.S.A. only);*

Call 1-800-222-7669

URL <http://www.SONY.com>

Support site

If you have any questions or for the latest support information on this product, please visit the web site below:

<http://esupport.sony.com>

<http://www.sony.com/mobileAV>

Support site

If you have any questions or for the latest support information on this product, please visit the web site below:

<http://www.sony-asia.com/section/support>

<http://www.sony-asia.com/caraudio/>

