

SONY

SONY®

4-419-667-11(1)

AV Center

AV Center

Operating Instructions **US**

Mode d'emploi **FR**

Manual de instrucciones **ES**

Owner's Record

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

Model No. XAV-601BT Serial No. _____

XAV-601BT



Video CD



MirrorLink™



SensMe™



gracenote.

works with
PANDORA
internet radio



Bluetooth®



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XAV-601BT
4-419-667-11(1)

Be sure to install this unit in the dashboard of the car for safety. For installation and connections, refer to the supplied "Installation/Connections" guide.

Warning

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

CAUTION

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

FOR UNITED STATES CUSTOMERS. NOT APPLICABLE IN CANADA, INCLUDING IN THE PROVINCE OF QUEBEC.

POUR LES CONSOMMATEURS AUX ÉTATS-UNIS. NON APPLICABLE AU CANADA, Y COMPRIS LA PROVINCE DE QUÉBEC.

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.

This device complies with Part 15 of the FCC Rules and Industry Canada licence-exempt RSS standard(S). Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation of the device.

This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.

Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

This equipment complies with FCC/IC radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines in Supplement C to OET65 and RSS-102 of the IC radio frequency (RF) Exposure rules. This equipment has very low levels of RF energy that it deemed to comply without maximum permissive exposure evaluation (MPE). But it is desirable that it should be installed and operated keeping the radiator at least 20 cm or more away from person's body (excluding extremities: hands, wrists, feet and ankles).

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

Warning if your car's ignition has no ACC position

Be sure to set the Auto Off function (page 46).
The unit will turn off automatically in the set time when no source is selected, which prevents battery drainage.
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 46.

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Pandora® internet radio

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Notes on safety

- Comply with your local traffic rules, laws and regulations.
- While driving
 - Do not watch or operate the unit, as it may lead to distraction and cause an accident. Park your car in a safe place to watch or operate the unit.
 - Do not use the setup feature or any other function which could divert your attention from the road.
 - **When backing up your car, be sure to look back and watch the surroundings carefully for your safety, even if the rear view camera is connected. Do not depend on the rear view camera exclusively.**
- While operating
 - Do not insert your hands, fingers or foreign object into the unit, as it may cause injury or damage to the unit.
 - Keep small articles out of the reach of children.
 - Be sure to fasten seatbelts to avoid injury in the event of a sudden movement of the car.

Preventing an accident

Pictures appear only after you park the car and set the parking brake.

If the car starts moving during video playback, the picture is automatically switched to the background screen after displaying the caution below.

“Video blocked for your safety.”

The monitor connected to the REAR VIDEO OUT is active while the car is in motion.

The picture on the display is switched to the background screen, but audio source can be heard.

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

Notes on installation

- We recommend this unit should be installed by a qualified technician or service personnel.
 - If you try to install this unit by yourself, refer to the supplied “Installation/Connections” guide and install the unit properly.
 - Improper installation may cause battery drain or a short circuit.
- If the unit does not work properly, check the connections first, referring to the supplied “Installation/Connections” guide. If everything is in order, check the fuse.
- Protect the unit surface from damage.
 - Do not expose the unit surface to chemicals, such as insecticide, hair spray, insect repellent, etc.
 - Do not leave rubber or plastic materials in contact with the unit for a long time. Otherwise, the finish of the unit may be impaired, or deformation may occur.
- When installing, be sure to fix securely.
- When installing, be sure to turn the ignition off. Installing the unit with the ignition on may cause battery drain or a short circuit.
- When installing, be sure not to damage any car parts such as pipes, tubes, fuel tank or wiring by using a drill, as it may cause a fire or an accident.

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Notes on Bluetooth function

Caution

IN NO EVENT SHALL SONY BE LIABLE FOR ANY INCIDENTAL, INDIRECT OR CONSEQUENTIAL DAMAGES OR OTHER DAMAGES INCLUDING, WITHOUT LIMITATION, LOSS OF PROFITS, LOSS OF REVENUE, LOSS OF DATA, LOSS OF USE OF THE PRODUCT OR ANY ASSOCIATED EQUIPMENT, DOWNTIME, AND PURCHASER'S TIME RELATED TO OR ARISING OUT OF THE USE OF THIS PRODUCT, ITS HARDWARE AND/OR ITS SOFTWARE.

IMPORTANT NOTICE!

Safe and efficient use

Changes or modifications to this unit not expressly approved by Sony may void the user's authority to operate the equipment.

Please check for exceptions, due to national requirement or limitations, in usage of Bluetooth equipment before using this product.

Driving

Check the laws and regulations on the use of cellular phones and handsfree equipment in the areas where you drive.

Always give full attention to driving and pull off the road and park before making or answering a call if driving conditions so require.

Connecting to other devices

When connecting to any other device, please read its user guide for detailed safety instructions.

8 Radio frequency exposure

RF signals may affect improperly installed or inadequately shielded electronic systems in cars, such as electronic fuel injection systems, electronic antiskid (antilock) braking systems, electronic speed control systems or air bag systems. For installation or service of this device, please consult with the manufacturer or its representative of your car. Faulty installation or service may be dangerous and may invalidate any warranty that may apply to this device.

Consult with the manufacturer of your car to ensure that the use of your cellular phone in the car will not affect its electronic system.

Check regularly that all wireless device equipment in your car is mounted and operating properly.

Emergency calls

This Bluetooth car handsfree and the electronic device connected to the handsfree operate using radio signals, cellular, and landline networks as well as user-programmed function, which cannot guarantee connection under all conditions.

Therefore do not rely solely upon any electronic device for essential communications (such as medical emergencies).

Remember, in order to make or receive calls, the handsfree and the electronic device connected to the handsfree must be switched on in a service area with adequate cellular signal strength.

Emergency calls may not be possible on all cellular phone networks or when certain network services and/or phone features are in use.

Check with your local service provider.

Playable discs and symbols used in these Operating Instructions

This unit can play various video/audio discs.

The following chart helps you to check if a disc is supported by this unit, as well as what functions are available for a given disc type.

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

*1 Audio files can also be stored.

*2 Video/image files can also be stored.

Note

"DVD" may be used in these Operating Instructions as a general term for DVD VIDEOS, DVD-Rs/DVD-RWs, and DVD+Rs/DVD+RWs.

The following chart shows the supported file types and their symbols.

Available functions differ depending on the format, regardless of disc type. The format symbols below appear in these Operating Instructions next to the description of functions available for their corresponding file types.

Format symbol in manual	File type
MP3	MP3 audio file
WMA	WMA audio file
AAC	AAC audio file
WAV	WAVE audio file
JPEG	JPEG image file
Xvid	Xvid video file
WMV	WMV video file
MPEG-4	MPEG-4 video file
AVC	AVC (H.264 baseline) video file

Tip

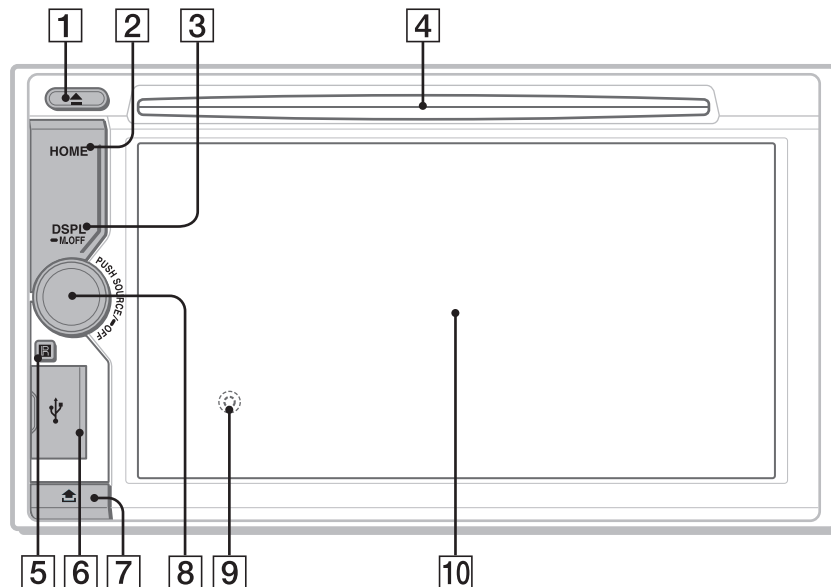
For details on compression formats, see page 57.

Note

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

Location and function of controls

Main unit



For details, see the pages listed below.

- 1** ▲ (Eject) button page 17
- 2** **HOME button**
Press to open HOME menu.
- 3** **DSPL/M.OFF button**
Press to change display items.
Press and hold to turn off the monitor and the button illumination. To turn back on, touch anywhere on the display.
- 4** **Disc slot** page 17
- 5** **Receptor for the remote commander**
- 6** **USB terminal**
Open the cover to connect a USB device.
- 7** **Front panel release button**

- 8** **Volume control dial, SOURCE/OFF button***
Rotate to adjust the volume.
Press to turn on the power/change the source: "Tuner" (Radio), "Pandora" (Bluetooth Pandora®), "MirrorLink™", "iPod," "USB Music," "USB Video," "Disc," "BT Audio" (Bluetooth Audio), "AUX" (Auxiliary equipment).
Press and hold for 1 second to exit the source.
Press and hold for more than 2 seconds to turn off.

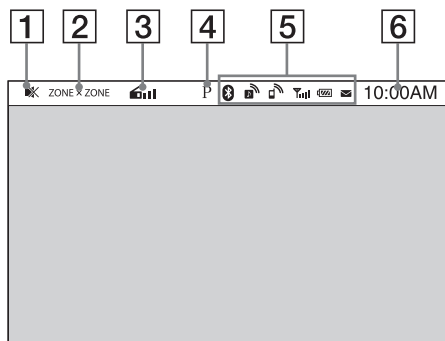
- 9** **Reset button** page 13
(located behind the front panel)

- 10** **Display/touch panel**

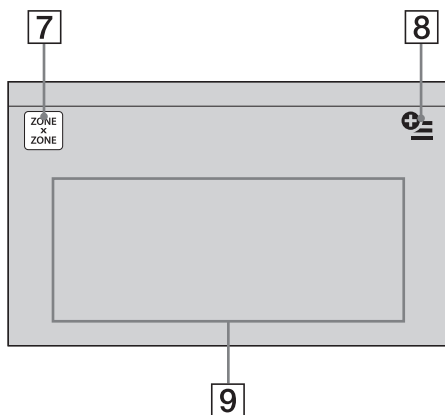
* If a SAT tuner is connected and (SOURCE/OFF) is pressed, the connected device ("SXM") will appear on the display.

Screen displays

Indication list:



Source list:



- 1 **ATT (Attenuate)**
- 2 **ZONE x ZONE**
- 3 **SXM (SiriusXM)**
- 4 **Pandora**
- 5 **Bluetooth status indications** page 31
- 6 **Clock** page 14
- 7 **“ZONE x ZONE” key**
Touch to activate Zone x Zone.
- 8 **“Option” key**
Touch to open HOME Option menu.
- 9 **Source select keys***
Touch to change the source: “Tuner” (Radio), “Pandora” (Bluetooth Pandora®), “MirrorLink™”, “BT Phone” (Bluetooth Phone), “iPod,” “USB Music,” “USB Video,” “USB Photo,” “Disc,” “BT Audio” (Bluetooth Audio), “Rear View,” “AUX” (Auxiliary equipment), “Settings.”

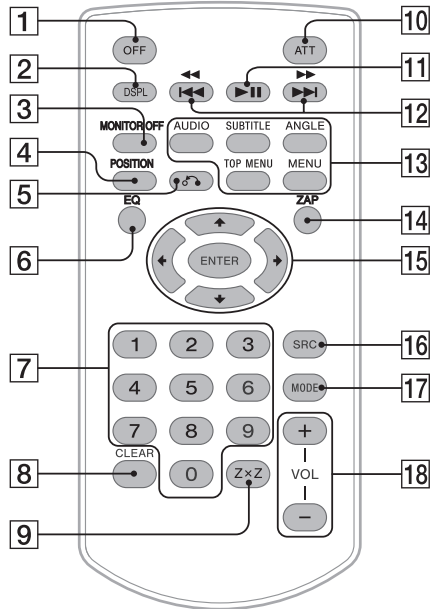
* If a SAT tuner is connected and (SOURCE/OFF) is pressed, the connected device (“SXM”) will appear on the display.

Tip

Touch and hold anywhere on the screen to display the menu item list.

RM-X271 Remote Commander

- The remote commander can be used to operate the audio controls. For menu operations, use the touch panel.
- For details, see the pages listed below.
- Remove the insulation film before use (page 14).



- 1 OFF button**
Press to exit the source/stop the source.
Press and hold to turn off.
- 2 DSPL button**
Press to change display items.
- 3 MONITOR OFF button**
Press to turn off the monitor and the button illumination. To turn back on, press again.
- 4 POSITION button**
Press to switch the listening position ("Front L"/"Front R"/"Front"/"All"/"Custom"/"OFF").
- 5 ↶ (Return) button**
Press to return to the previous display/return to the menu on a VCD*1.

6 EQ (Equalizer) button

Press to select an equalizer curve from 7 music types ("Xplod"/"Vocal"/"Edge"/"Cruise"/"Space"/"Gravity"/"Custom"/"OFF").

7 Number buttons page 22

Radio:

Press to receive stored stations.
Press and hold to store stations.

Disc/iPod:

Press to locate a title/chapter/track.

8 CLEAR button

Press to delete an entered number.

9 ZxZ (Zone x Zone) button page 29

Press to activate Zone x Zone.

10 ATT (Attenuate) button

Press to attenuate the sound. To cancel, press again.

11 ►|| (Play/Pause) button

12 ◀◀◀/▶▶▶ buttons

Radio:

Press to tune to stations automatically.
Press and hold to find a station manually.

Disc*/USB/iPod:

Press to skip a chapter/track/scene/file.
Press and hold momentarily to reverse/
fast-forward video.

Press and hold to reverse/fast-forward a track.

Bluetooth Audio*3:

Press to skip a track.

Press and hold to reverse/fast-forward a track.

Pandora:

Press to skip a track.

13 DVD playback setting buttons

AUDIO :

Press to change the audio language/format.
(For a VCD, to change the audio channel.)

SUBTITLE :

Press to change the subtitle language.

ANGLE :

Press to change the viewing angle.

TOP MENU :

Press to open the top menu on a DVD.

MENU :

Press to open the menu on a disc.

14 ZAP button

Press to enter ZAPPIN™ mode.

15 ←/↑/↓/→ (Cursor)/ENTER buttons

page 17

Press to control the menu on a DVD.

16 **SRC (Source) button**

Press to turn on/change the source: “Tuner” (Radio), “iPod,” “USB Music,” “USB Video,” “Disc,” “BT Audio” (Bluetooth Audio), “AUX” (Auxiliary equipment), “Pandora” (Bluetooth Pandora[®]).

17 **MODE button***5

Press to select the radio band (FM/AM)/select an auxiliary device (AUX1/AUX2)*5.

18 **VOL (Volume) +/- buttons**

*1 When playing with PBC functions.

*2 Operation differs depending on the disc (page 18).

*3 Operation differs depending on the connected Bluetooth device.

*4 If a SAT tuner is connected and (SRC) is pressed, the connected device (“SXM”) will appear on the display.

*5 When two auxiliary devices are used.

Note

The remote commander will not operate when the unit is turned off and the display has disappeared. Press (SOURCE/OFF) on the main unit, or insert a disc to activate the unit and enable operation via the remote commander.

Getting Started

Resetting the unit

Before operating the unit for the first time, or after replacing the car battery or changing the connections, you must reset the unit.

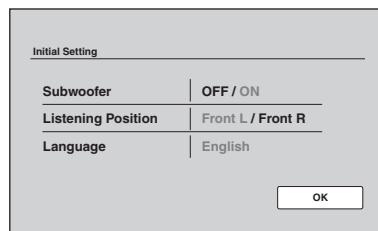
Press the reset button (page 10) with a pointed object, such as a ballpoint pen.

Note

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

Performing initial settings

After resetting, the display for the initial settings appears.



1 Touch “No” on the demo setting display.

2 Touch “Subwoofer” to set the subwoofer connection status.

Set to “ON” if a subwoofer is connected, or “OFF” if not.

3 Touch “Listening Position” to set the listening position.

Set to “Front L” if your listening position is front left, or “Front R” if front right.

4 Touch “Language” to set the display language.

Touch repeatedly until the desired language (English/French/Spanish/Portuguese/Russian/Dutch/German/Italian) appears.

5 Touch “OK.”

The setting is complete.

This setting can then be further configured in the setting menu.

- For details on setting the subwoofer connection status, see page 49.
- For details on setting the listening position, see “Optimizing sound for the listening position — Intelligent Time Alignment” on page 41.
- For details on setting the character encoding, see page 46.



- For details on setting the display language, see page 46.

Note


Some characters may not be displayed correctly, depending on the language/country/region.

Setting the clock

The clock uses a 12-hour indication.

- 1 Press **HOME**, then touch .**
- 2 Touch , then touch "Clock Adjust."**
The setting display appears.
- 3 Set the hour and minute.**
For example, to set to 8:30, touch "0830."
- 4 Touch "AM" or "PM."**
- 5 Touch "OK."**
The setting is complete.

To activate/deactivate the CT function, touch "CT" in step 3. (page 46)

To delete an entered number, touch "Clear."
To return to the previous display, touch .

Notes

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

Preparing the remote commander

Before using the remote commander for the first time, remove the insulation film.




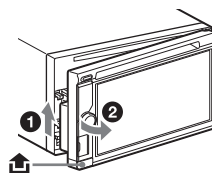
Detaching the front panel

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

Caution alarm

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

- 1 Press and hold **SOURCE/OFF**.**
The unit is turned off.
- 2 Press , then pull it off towards you.**

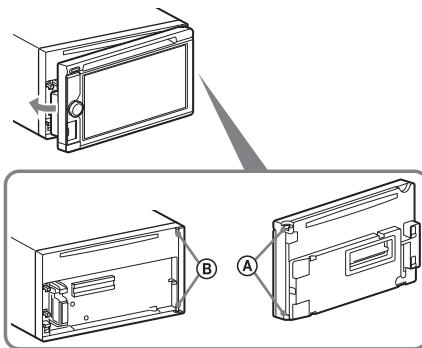


Notes

- Do not drop or put excessive pressure on the front panel and display window.
- Do not subject the front panel to heat/high temperature or moisture. Avoid leaving it in a parked car or on a dashboard/rear tray.
- Do not detach the front panel during playback of the USB device, otherwise USB data may be damaged.

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.



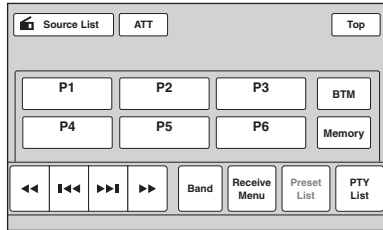
Note

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

Radio

Listening to the radio

- 1 Press **(HOME)**, then touch **"Tuner."**
The radio reception display appears, and the preset list is displayed automatically.



- 2 Touch the **current band**.
The band list appears.
- 3 Touch the **desired band** ("FM1," "FM2," "FM3," "AM1," or "AM2").
- 4 Perform tuning.

To tune automatically

Touch **-SEEK/SEEK+**.

Scanning stops when the unit receives a station. Repeat this procedure until the desired station is received.

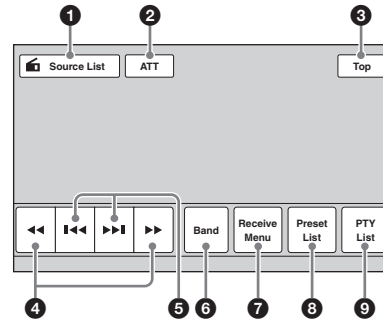
To tune manually

Touch **</>** repeatedly until the desired frequency is received.

To skip frequencies continuously, touch and hold **</>**.

Reception controls

Touch the display if the reception controls are not displayed.



- 1 **</>**
Touch to tune manually.
Touch and hold to continuously skip frequencies.
- 2 **-SEEK/SEEK+**
Touch to tune automatically.
- 3 **Visualizer**
Touch to change Visualizer, which contains the following items:
Gate/Balloon/Glow/Animal/Graffiti/Ink/Random
- 4 **"PTY"**
Touch to open the PTY list. (page 17)
- 5 **"Preset number"**
Touch to store stations.
- 6 **123**
Touch to register the preset list.

Reception indications



- A** Current source icon*
- B** Band name, frequency/status
- C** Preset number

* Appears only when the controls are displayed.

Storing and receiving stations

Caution

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

Storing automatically — BTM

- 1 Press **(HOME)**, then touch “Tuner.”**
 Select the desired band (“FM1,” “FM2,” “FM3,” “AM1,” or “AM2”).
- 2 Touch “BTM.”**
 The unit stores the first six available stations in the preset list (“1” to “6”).
 A beep sounds when the setting is stored.

Storing manually

- 1 While receiving the station that you want to store, touch **(HOME)**, then touch a number in the list (“1” to “6”).**

Note

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

Receiving stored stations

- 1 Select the band.**
- 2 Touch the desired number (“1” to “6”).**

RDS

Overview

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

Display items



- A** Band name, preset number, frequency
- B** RDS*, TP
- C** Program service name

* During RDS reception.

RDS services

This unit automatically provides RDS services as follows:

PTY (Program Types)

Displays the currently received program type. Also searches for a designated program type.

CT (Clock Time)

The CT data from the RDS transmission sets the clock.

Notes

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

Selecting PTY

1 During FM reception, touch “PTY.”

The PTY list appears if the station is transmitting PTY data.

To scroll the list, move the scrollbar up and down.

2 Touch the desired program type.

The unit searches for a station broadcasting the selected program type.

To close the PTY list, touch “PTY.”

Type of programs

“**News**” (News), “**Information**” (Information), “**Sports**” (Sports), “**Talk**” (Talk), “**Rock**” (Rock), “**Classic Rock**” (Classic Rock), “**Adult Hits**” (Adult Hits), “**Soft Rock**” (Soft Rock), “**Top 40**” (Top 40), “**Country**” (Country), “**Oldies**” (Oldies), “**Soft**” (Soft), “**Nostalgia**” (Nostalgia), “**Jazz**” (Jazz), “**Classical**” (Classical), “**Rhythm and Blues**” (Rhythm and Blues), “**Soft R & B**” (Soft Rhythm and Blues), “**Foreign Language**” (Foreign Language), “**Religious Music**” (Religious Music), “**Religious Talk**” (Religious Talk), “**Personality**” (Personality), “**Public**” (Public), “**College**” (College), “**Weather**” (Weather)

Notes

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

Discs

Playing 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 the DVD menu appears

Touch the item in the DVD menu.

You can also use the menu control panel, which can be displayed by touching outside of the DVD menu. Touch ◀/▲/▼/▶ to move the cursor, then touch “Enter” to confirm.

If the menu control panel does not appear by touching the display, use the remote commander.

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.

To stop playback

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

Note

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

To eject the disc

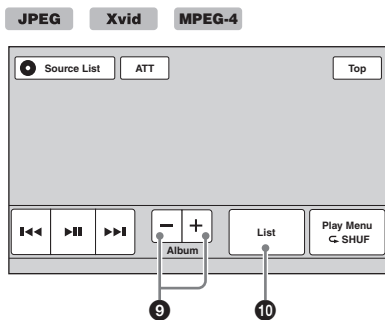
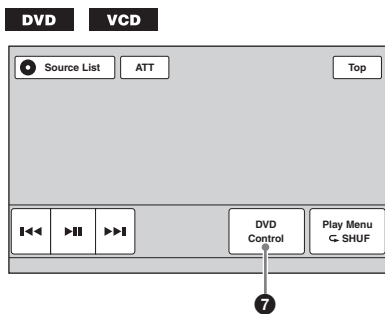
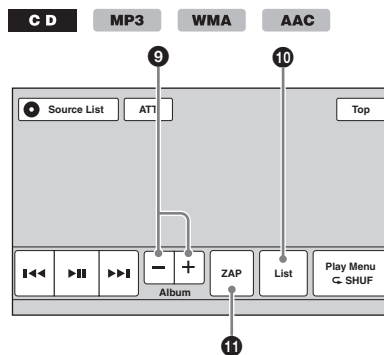
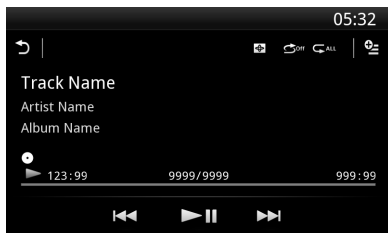
1 Press **▲** on the main unit.

The disc is ejected.

Playback controls

Touch the display if the playback controls are not displayed.

Common to all discs/formats



1 I<</>I>>

Touch to skip a chapter/track/scene/image/file.

Touch and hold momentarily to reverse/fast-forward the video; and then repeatedly to switch the speed (× 2 → × 12 → × 120 → × 2 ...)*1. To cancel, touch II.

Touch and hold to reverse/fast-forward the audio track.

During pause, touch and hold down I>> to play the video in slow motion. To cancel, release the key.

2 II

Touch to pause/resume play after pause.

3 “Play Menu”

Touch to open the play menu, which contains the following items.

- “Dolby D Level” (DVD VIDEO playback only) (page 21)
- “Stereo” (VCD playback only) (page 21)
- “Image Turn” (JPEG playback only): Touch to rotate an image left/right.
- “Audio” (Xvid/MPEG-4 playback only)

4 “Repeat” ↺/“Shuffle” ↻ (page 21)




5

Touch to change Visualizer, which contains the following items: Gate/Balloon/Glow/Animal/Graffiti/Ink/Random

6

Touch to open the option menu.

- 7** “DVD Control”
Touch to open the DVD control menu, which contains the following items.
- “**Top Menu**”: Touch to open the top menu on the DVD.*2
 - “**Menu**”: Touch to open the menu on the disc.*2
 - “**Audio**”: Touch repeatedly to select the audio language/format. (page 20)*2
 - “**Subtitle**”: Touch repeatedly to turn off/select the subtitle language.*2*3
 - “**Angle**”: Touch repeatedly to change the viewing angle.*2

- 8** 
Touch to list up tracks/images/video files. (page 28)
- During iPod playback, touch  to list up the top menu (Root).
During Disc playback, touch  to list up the top menu (Root).

*1 The speed depends on the format or the recording method.

*2 Availability depends on the disc.

*3 When the 4-digit input prompt appears, input the language code (page 67) for the desired language.

Note

If the disc contains multiple file types, only the selected file type (audio/video) can be played. For details on how to select the file type, see “Selecting a file type” on page 28.

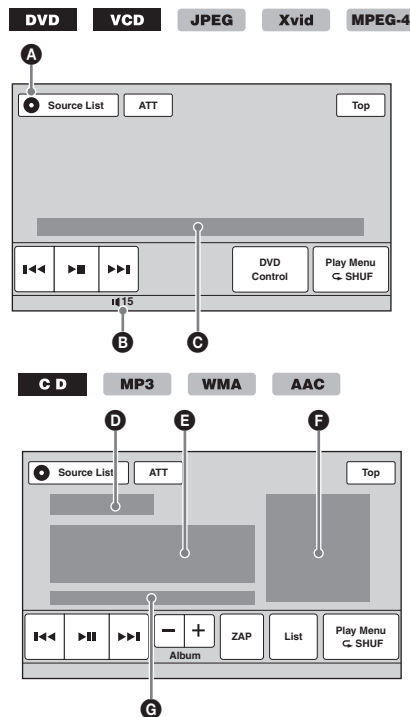
Notes on JPEG playback (except for discs)


- If a large-sized image is rotated, it may take longer to display.
- Progressive JPEG files cannot be displayed.

Playback indications

Touch the display if the indications are not displayed.

For audio discs, some indications are always displayed during playback.



- A** Current source icon
- B** Volume level*1
- C** Format, playback status, elapsed playback time*2, chapter/title/album (folder)/track number*3*4, audio format*5
- D** Playback status, elapsed playback time*2
- E** Track name, album name, artist name
- F** Format, track number, album number*6
- G** 

*1 When ATT is activated,  appears.

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

*3 Indications differ depending on the disc/format.

*4 When playing a VCD with PBC functions (page 20), no indication appears.

*5 DVD only.

*6 MP3/WMA/AAC only.



Using PBC (playback control) functions

VCD

The PBC menu interactively assists with operations while a PBC-compatible VCD is played.

- 1 Start playing a PBC-compatible VCD.**
The PBC menu appears.
- 2 Press the number buttons on the remote commander to select the desired item, then press (ENTER).**
- 3 Follow the instructions in the menu for interactive operations.**
To return to the previous display, press ⏪ on the remote commander.

Playing without PBC functions

- 1 Press (HOME), then touch .**
- 2 Touch .**
The source setting menu appears.
- 3 Move the scrollbar up and down, then touch "Video CD PBC" to set to "OFF."**
- 4 Start playing a VCD.**
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 on the playback display.
- Resume playback is unavailable during playback without PBC.

Configuring audio settings


Note

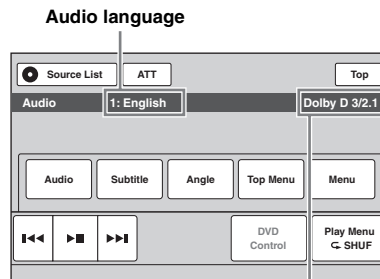
Discs in DTS format are not supported. The sound is not output if the DTS format is selected.

Changing the audio language/format

DVD

The audio language can be changed if the disc is recorded with multilingual tracks. You can also change the audio format when playing a disc recorded in multiple audio formats (e.g., Dolby Digital).

- 1 During playback, touch the screen.  appears in the display.**
- 2 Touch "Audio" repeatedly until the desired audio language/format appears.**

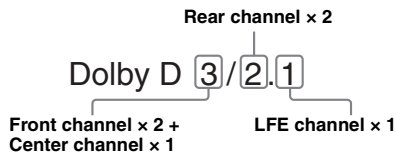


Audio format/channel numbers*

The audio language switches among the available languages.
When the 4-digit input prompt appears, input the language code (page 67) for the desired language.
When the same language is displayed two or more times, the disc is recorded in multiple audio formats.

* The format name and channel numbers appear as follows:

Example: Dolby Digital 5.1 ch



To close the DVD control menu, touch "DVD Control."

Changing the audio channel

VCD **C D**
MP3 **WMA** **AAC** **Xvid** **MPEG-4**

When playing a VCD/CD/MP3/WMA/AAC/Xvid/MPEG-4, you can listen to both the right and left channel, only the right channel, or only the left channel via both the right and left speakers.

The options are indicated below.

- “**Stereo**”: Standard stereo sound (default)
- “**1/Left**”: Left channel sound (monaural)
- “**2/Right**”: Right channel sound (monaural)

For VCD/CD/MP3/WMA/AAC

- 1 During playback, touch “Play Menu,” then “Stereo” repeatedly until the desired audio channel appears.

To close the play menu, touch “Play Menu.”

Note

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

Tips

- Operation via the remote commander by pressing **AUDIO** repeatedly is also available.
- The audio channels can be changed by pressing **AUDIO** on the remote commander when VCD is selected.

Adjusting the audio output level — Dolby D level **DVD**

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

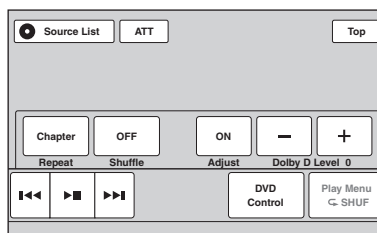
- 1 During playback, touch **⊕**.
- 2 Touch **-/+** repeatedly to adjust the output level.
The output level is adjustable in single steps, between -10 and +10.

To close the play menu, touch “Play Menu.”

Repeat and shuffle play

DVD **VCD** **C D** **MP3** **WMA**
AAC **Xvid** **MPEG-4**

- 1 During playback, touch “Repeat” **↺** or “Shuffle” **↻** repeatedly until the desired option appears.



Repeat or shuffle play starts.








To close the play menu, touch “Play Menu.”

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

Disc/format	Options
DVD	<ul style="list-style-type: none"> “OFF”: Returns to normal play mode. “Chapter”: Repeats the current chapter. “Title”: Repeats the current title.
VCD *1 C D	<ul style="list-style-type: none"> “OFF”: Returns to normal play mode. “Track”: Repeats the current track.
MP3 WMA AAC	<ul style="list-style-type: none"> “OFF”: Returns to normal play mode. “Track”: Repeats the current track. “All”: Repeats the current album (folder).
Xvid MPEG-4	<ul style="list-style-type: none"> “OFF”: Returns to normal play mode. “Movie”: Repeats the current video file. “All”: Repeats the current album (folder).

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

Disc/format	Options
DVD *2	<ul style="list-style-type: none"> “OFF”: Returns to normal play mode. “Title”: Plays chapters in the current title in random order.

 *1 	<p>“OFF”: Returns to normal play mode.</p> <p>“Disc”: Plays tracks in the current disc in random order.</p>
    	<p>“OFF”: Returns to normal play mode.</p> <p>“Album”: Plays tracks/images/video files in the current album (folder) in random order.</p>

*1 Available only when playing a version 1.0/1.1 VCD, or a version 2.0 VCD without PBC functions.

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

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 on the remote commander to enter an item (track, title, etc.) number, then press **(ENTER)**.

Playback starts from the beginning of the selected point.

The search items for a disc/format are as follows:

DVD: Title or chapter*1

VCD*2/CD/MP3/WMA/AAC: Track



Xvid/MPEG-4: Movie

*1 The search item depends on the setting.

*2 Available only when playing a VCD without PBC functions.

Setting the search item (DVD only)


You can set the search item (title or chapter) for DVD playback.

- 1 Press **(HOME)**, then touch .
- 2 Touch .

The source setting menu appears.

- 3 Touch **“DVD Direct Search”** to set to **“Chapter”** or **“Title.”**

The setting is complete.

To return to the previous display, touch .

USB Device Operations

- MSC (Mass Storage Class) can be used.
- Compatible codecs are MP3 (.mp3), WMA (.wma), AAC/HE-AAC (.m4a), JPEG (.jpg), Xvid (.avi/.xvid), 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.
- This unit does not recognize multiple MSC devices.

Playing from a USB device

Playing USB Music

- 1 Open the USB cover, then connect the USB device to the USB connector with a USB cable (not supplied).
- 2 Press **(HOME)**, then touch **“USB Music,”** to start playback.

To select a music file

- 1 During playback, touch .

The music list appears.

- 2 Touch the desired item.

Playback starts.


To enter ZAPPIN mode

For details on this procedure, see “Searching for a track by listening to track passages — ZAPPIN™” on page 28.

Playing USB Video

- 1 Open the USB cover, then connect the USB device to the USB connector with a USB cable (not supplied).
- 2 Press **(HOME)**, then touch **“USB Video,”** to start playback.

To select a video file

- 1 During playback, touch .

The video list appears.

- 2 Touch the desired item.

Playback starts.

To select the aspect ratio

- 1 Press **(HOME)**, then touch **“USB Video.”**
- 2 Touch **☰**, then **“Settings.”**
- 3 Touch **“Zoom Settings.”**
The options are indicated below.

“Normal”: Picture with 4:3 aspect ratio (regular picture).

“Wide”: Picture with 4:3 aspect ratio enlarged to the left and right edges of the screen.

“Off”: Picture with full size.

Playing USB Photo

- 1 Open the USB cover, then connect the USB device to the USB connector with a USB cable (not supplied).
- 2 Press **(HOME)**, then touch **“USB Photo.”**
- 3 Touch **“All pictures,”** or **“Folders,”** to start playback.

To select a photo file

- 1 During playback, touch **↶**.
The photo list appears.
- 2 Touch the desired item.
Playback starts.

Note

This creates folders called *“Sony Automotive”* on the USB device.

About the playback controls and indications

You can control USB playback in the same way as disc playback. For details, see *“Playback controls”* on page 18.
For details on playback indications, see *“Playback indications”* on page 19.

To stop playback

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

To disconnect the USB device

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

Notes on use

- Do not use USB devices so large or heavy that they may fall down due to vibration, or cause a loose connection.
- Do not leave a USB device in a parked car, as malfunction may result.

- This unit cannot recognize USB devices via a USB hub.
- Be sure to use the USB cable supplied with the device if a cable is needed when making a USB connection.

Notes on playback

- Select *“USB Music,”* *“USB Video,”* or *“USB Photo”* depending on the file type of USB device.
- Displayed indications will differ, depending on the USB device, recorded format and settings. For details, visit the support site on the back cover.
- The maximum number of displayable data is as follows:
 - folders (albums): 256
 - files (tracks): 10,000
- It may take time for playback to begin, depending on the amount of recorded data.
- DRM (Digital Rights Management) files may not be played.
- During playback or reverse/fast-forward 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, touch **“Repeat”** **↺** or **“Shuffle”** **↻** repeatedly until the desired option appears.
Repeat or shuffle play starts.

The repeat options are as follows:

For Music playback

- “OFF”**: Returns to normal play mode.
- “1 Track Repeat”**: Repeats the current music file.
- “All Repeat”**: Repeats the all current album (folder).

For Photo playback

- “OFF”**: Returns to normal play mode.
- “All Repeat”**: Repeats the all current album (folder).

The shuffle options are as follows:

For Music playback

- “OFF”**: Returns to normal play mode.
- “All”**: Plays music files in the all current album (folder) in random order.

To close the play menu, touch **“Play Menu.”**

Enjoying music according to your mood — SensMe™

Sony's unique "SensMe™ channels" feature automatically group tracks by channel or mood, and allow you to enjoy music intuitively.

Installing "Media Go" to your computer

Software ("Media Go") is required to enable the SensMe™ function on this unit.

- 1 Download "Media Go" software from the support site on the back cover.
- 2 Follow the on-screen instructions to complete the installation.

Registering a USB device using "SensMe™ Setup"

USB device registration is required to enable the SensMe™ function on the unit.

If registration is not performed along with the installation procedure, follow the steps below.

- 1 Start "SensMe™ Setup" on your computer.
- 2 Connect a USB device to your computer.
- 3 Complete registration following the on-screen instructions.

Tip

If you connect a registered USB device containing analyzed tracks, the USB device can be unregistered again.

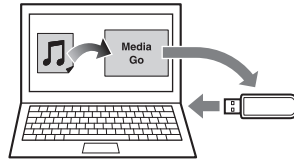
Transferring tracks to the USB device using "Media Go"

To enable the SensMe™ function on this unit, tracks need to be analyzed and transferred to the registered USB device using "Media Go."

- 1 Connect the registered USB device to your computer.
For "WALKMAN," connect via MTP mode. For USB devices other than "WALKMAN," connect via MSC mode.
"Media Go" starts automatically.
If a message appears, follow the on-screen instructions to proceed.

2 Drag and drop tracks from Windows Explorer or iTunes, etc., to "Media Go."

The analysis and transfer of tracks starts.



For details on operations, refer to the Help of "Media Go."

Note

The track analysis by 12 TONE ANALYSIS may take time, depending on the computer environment.

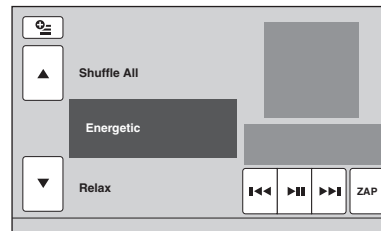
Tip

Not only audio files but also image or video files can be transferred using "Media Go." For details, refer to the Help of "Media Go."

Playing tracks in channels — SensMe™ channels

"SensMe™ channels" automatically group tracks into channels by their tunes. You can select and play a channel that fits your mood, activity, etc.

- 1 Connect a USB device set up for the SensMe™ function.
- 2 Press **HOME**, then touch "USB Music."
- 3 Touch "channels."
The channel list appears.



- 4 Touch ▲/▼ to scroll the channel list.
Playback of the first track in the current channel starts from the track's most melodic or rhythmical section*.
* May not be detected correctly.
- 5 Touch the desired channel.
Playback of tracks in the selected channel starts.

Notes

- Depending on the track, it may not be detected correctly or may be grouped in a channel not suited to the track's mood.
- If the connected USB device contains many tracks, it may take time for "SensMe™ channels" to start, due to data reading.

Tip

Tracks are played in random order. The order will vary with each channel selection.

Channel list

■ **Recommended**

“Morning” (5:00 AM – 9:59 AM)

“Daytime” (10:00 AM – 3:59 PM)

“Evening” (4:00 PM – 6:59 PM)

“Night” (7:00 PM – 11:59 PM)

“Midnight” (12:00 AM – 4:59 AM)

Plays music for various times of the day.

Set the clock (page 14) for the channel to be displayed accurately.

■ **Basic channels**

Plays tracks according to the music type.

“Relax”: Plays calm and relaxing music.

“Mellow”: Plays soft and slow-tempo music.

“Upbeat”: Plays cheerful and uplifting music.

“Emotional”: Plays ballads.

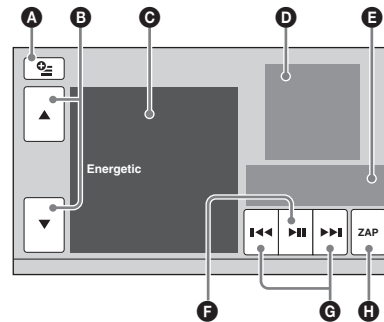
“Sofa Lounge”: Plays jazz and easy listening music.

“Dance Floor”: Plays rhythm, rap and R & B music.

“Extreme”: Plays loud and powerful music.

“Active”: xxxx

“SensMe™ channels” playback controls and indications



- A** Option key
- B** To scroll the list and select another channel.
- C** Indicates the current channel.
- D** Indicates the album artwork display*.
- E** Indicates the elapsed playback time, track name and artist name.
- F** To pause/resume play after pause.
- G** To skip a track.

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

iPod Operations

For details on the compatibility of your iPod, see “About iPod” on page 58 or visit the support site on the back cover.

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

Note

This unit does not recognize multiple iPods.

Playing an iPod

- 1 Reduce the volume on this unit.
- 2 Connect the iPod to the USB connector with its USB cable (not supplied).

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, touch “iPod.”



*¹ To play videos from an 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 when the iPod was last played using Passenger App Control.

- 3 Adjust the volume on this unit.

About playback controls and indications

You can control iPod playback in the same way as disc playback. For details, see “Playback controls” on page 18.

For details on playback indications, see “Playback indications” on page 19.

To stop playback

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

To disconnect the iPod

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

To enter ZAPPIN mode

For details on this procedure, see “Searching for a track by listening to track passages — ZAPPIN™” on page 28.

About 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, repeat/shuffle play are not available.

Caution for iPhone

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

Note

This unit cannot recognize an 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, “USB device is not connected.” appears on the display of the unit.

Setting the play mode

You can set one of the following play modes.

For audio playback

“ALBUM,” “TRACK,” “GENRE,” “PLAYLIST,” “ARTIST,” “MUSIC PODCAST”*

For video playback

“MOVIE,” “RENTAL,” “TV SHOW,” “MUSIC VIDEO,” “VIDEO PLAYLIST,” “VIDEO PODCAST”*

* May not appear depending on iPod setting.

- 1 During playback, touch .



- 2 Touch  or .

- 3 Touch the desired play mode.

To start playback, touch the desired item(s) in the list.

To scroll the list, move the scrollbar up and down.

Repeat and shuffle play

1 During playback, touch “Repeat”  or  repeatedly until the desired option appears.

Repeat or shuffle play starts.

To close the play menu, touch “Play Menu.”

The repeat options are as follows:

For audio playback

“OFF”: Returns to normal play mode.

“TRACK”: Repeats the current track.

“ALBUM”/“MUSIC PODCAST”/“ARTIST”/

“PLAYLIST”/“GENRE”*: Repeats the current item of the selected play mode.

For video playback

“OFF”: Returns to normal play mode.

“TRACK”: Repeats the current video.

“RENTAL”/“TV SHOW”/“MUSIC VIDEO”/

“VIDEO PLAYLIST”/“VIDEO
PODCAST”*: Repeats the current item of the selected play mode.

The shuffle options are as follows:

For audio playback

“OFF”: Returns to normal play mode.

“ALBUM”/“MUSIC PODCAST”/“ARTIST”/

“PLAYLIST”/“GENRE”*: Plays tracks of the selected play mode in random order.

“Device”: Plays all tracks in an iPod in random order.

* Differs depending on the selected play mode.

Note

Displayed options may not conform to actual operation.

Operating an iPod directly — Passenger App Control

You can directly operate an iPod connected to this unit.

1 During playback, touch .

Deactivating the Passenger App Control

During “Passenger App Control”, touch “Cancel” button.

The play mode changes to resuming mode.

To close the play menu, touch “Play Menu.”

Notes

- App image and Video can only be displayed on this unit while the parking brake is applied.
- App and Video are only controllable from iPhone and iPod.
- Apps compatible with Passenger App Control are limited.
- To output video to this unit, you need to activate the video output of the iPod.
- The volume can be adjusted only by this unit.
- The repeat and shuffle settings will be off if the Passenger App Control mode is canceled.

Useful Functions

Listing up tracks/images/video files — List

Selecting a track/image/video file

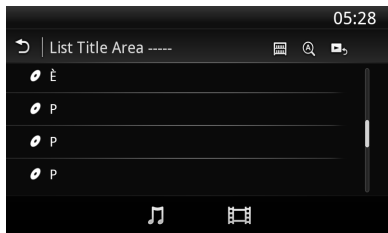
CD MP3 WMA AAC Xvid

MPEG-4

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

1 During playback, touch ↶.

The list of categories or files from the currently played item appears.



Page position bar

To move to the upper level, touch ↶.
To scroll the list, move the scrollbar up and down.
To jump pages, touch the page position bar.

2 Touch the desired item.

Playback starts.

Tip

When iPod is selected, the initial search function is also available (page 26).

Selecting a file type

MP3 WMA AAC JPEG Xvid

MPEG-4

If the disc/USB device contains multiple file types, only the selected file type (audio/video/photo) can be played. The playback priority order of file type is initially set to audio, video, then photo (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, touch ↶.

2 Touch or to select the file type.

3 Touch the desired file.

Playback of the selected file starts.

Searching for a track by listening to track passages — ZAPPIN™

MP3 WMA AAC

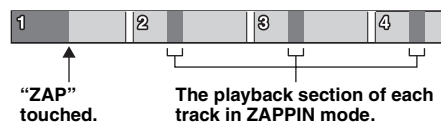
While playing short track passages from a USB device or an iPod in sequence, you can search for a track you want to listen to.

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

1 During audio playback, touch “ZAP.”

Playback starts from a passage of the next track.

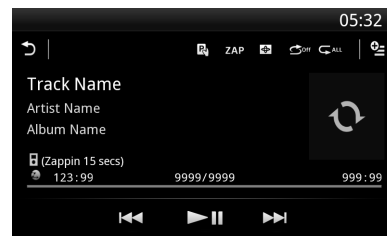
The passage is played for the set time.



2 Touch “ZAP” when a track you want to listen to is played.

The track that you select returns to normal play mode from the beginning.

To search for a track via ZAPPIN mode again, repeat steps 1 and 2.



In the case of USB Music playback

If you enter ZAPPIN mode during USB Music playback, the most melodic or rhythmical sections of tracks are played.

Note

Tracks need to be analyzed by 12 TONE ANALYSIS.

Tips

- You cannot select the track passage to play.
- You can select the playback time 6sec, 15sec, 30sec for the ZAPPIN function.

Controlling applications on your smartphone — MirrorLink™

This function duplicates the smartphone's display on the in-car display, so you can control applications on your smartphone with the bigger screen. Only a smartphone compatible with the MirrorLink™ function can be used.

1 Connect your smartphone and the unit via USB cable.

2 Press **(HOME)**, then touch "MirrorLink™"

The smartphone's display appears on the in-car display.

Touch and control applications in the same way as you do on your smartphone.

Enjoying different sources in front and rear — Zone x Zone

You can simultaneously enjoy different sources in the front and rear of the car.

Selectable sources for this unit (front) and the rear monitor (rear) are indicated below.

Front: Any source.

Rear: Disc inserted in this unit.

1 Press **(HOME)** on the main unit.

2 Touch "ZONE x ZONE" to activate Zone x Zone.

To operate the source in the front, use the touch panel and buttons on the main unit.

To operate the source in the rear, use the remote commander.

Tip

You can also activate/deactivate Zone x Zone by pressing **(Z x Z)** on the remote commander.

To deactivate Zone x Zone

Touch "Zone x Zone" again in the HOME menu.

Notes

- Once **(SOURCE/OFF)** on the main unit or remote commander is pressed, Zone x Zone is deactivated.
- While Zone x Zone is activated, the following buttons on the remote commander become inactive: **(SRC)**, **(MODE)**, **(ATT)**, **(VOL +/-)**, **(CLEAR)**, number buttons.
- While Zone x Zone is activated, the following are deactivated.
 - EQ7 (page 40)
 - Balance/Fader/Subwoofer (page 48)
 - Intelligent Time Alignment (page 41)
 - CSO (page 42)
 - HPF, LPF (page 49)
 - Rear Bass Enhancer (page 42)

Changing the color of buttons — Dynamic Color Illuminator

Dynamic Color Illuminator allows you to change the color of the buttons on the main unit to match the car's interior.

You can select from 12 preset colors, customized color and 5 preset patterns.

■ Preset colors

"Red," "Amber," "Medium Amber," "Yellow," "White," "Light Green," "Green," "Light Blue," "Sky Blue," "Blue," "Purple," "Pink."

■ Preset patterns

"Rainbow," "Ocean," "Sunset," "Forest," "Random."

1 Press **(HOME)**, then touch .

2 Touch , and move the scrollbar up and down, then touch "Key illumination."

3 Move the scrollbar up and down to select the desired preset color, then press it.

Customizing the display and button color — Custom Color

You can register a customized color for the buttons.

1 Press **(HOME)**, then touch .

2 Touch , and move the scrollbar up and down, then touch "Key illumination."

To not customize a preset color, skip to step 5.

3 Move the scrollbar up and down to select "Custom Tune," then press it.




4 Move the scrollbar left and right or press +/- to adjust the color range of "R" (red), "G" (green), or "B" (blue). Adjustable color range: "0" – "63."


5 Press .

The display returns to normal reception/play mode.

Using Gesture Command

You can perform frequently-used operations by drawing the following command stroke on the reception/playback display.

Do this	To
 Draw a horizontal line (left to right)	Radio reception: seek forward stations. (The same as ►►.) <hr/> DVD/VCD playback: skip forward a chapter/track. (The same as ►►.) <hr/> JPEG/Xvid/MPEG-4/audio playback: skip forward a file/track. (The same as ►►.) <hr/> Pandora® playback: skip a song. (The same as ►►.)
 Draw a horizontal line (right to left)	Radio reception: seek backward stations. (The same as ◀◀.) <hr/> DVD/VCD playback: skip backward a chapter/track. (The same as ◀◀.) <hr/> JPEG/Xvid/MPEG-4/audio playback: skip backward a file/track. (The same as ◀◀.)
 Draw a vertical line (upwards)	Radio reception: receive stored stations (go forward). <hr/> DVD/VCD/Xvid/MPEG-4 playback: fast-forward the video. <hr/> JPEG/audio playback: skip forward an album (folder). (The same as “Album” +.) <hr/> Pandora® playback: Thumbs up. (The same as 👍.)

 Draw a vertical line (downwards)	Radio reception: receive stored stations (go backward). <hr/> DVD/VCD/Xvid/MPEG-4 playback: reverse the video. <hr/> JPEG/audio playback: skip backward an album (folder). (The same as “Album” -.) <hr/> Pandora® playback: Thumbs down. (The same as 👎.)
---	---

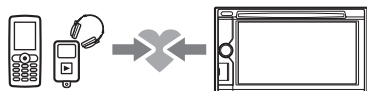
Handsfree Calling and Audio Streaming — Bluetooth function

Before using the Bluetooth function

Basic procedure of the Bluetooth function

1 Pairing

When connecting Bluetooth devices for the first time, mutual registration is required. This is called "pairing." This registration (pairing) is required only for the first time, as this unit and the other devices will recognize each other automatically from the next time.

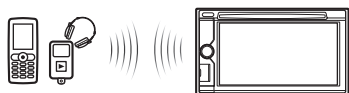


Note

If you delete the device registration from this unit, you need to perform pairing again.

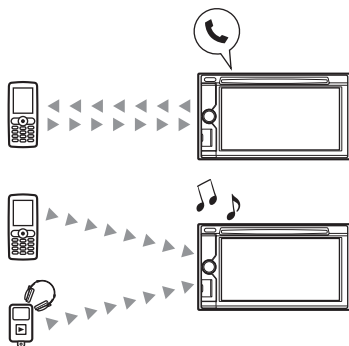
2 Connecting

After pairing is made, connect this unit and the Bluetooth device. Depending on the device, connection is automatically made along with the pairing.

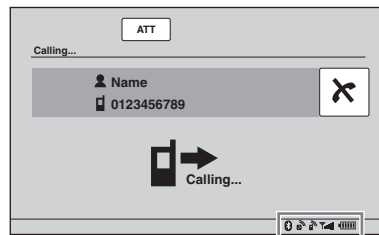


3 Handsfree calling/audio streaming

You can make/receive a handsfree call, or listen to audio through this unit.



Bluetooth status indications



Bluetooth status indications

	None: Bluetooth signal is off. Lit: Bluetooth signal is on.
	None: No device is connected for audio streaming. Flashing: Connection is in progress. Lit: A device is connected.
	None: No cellular phone is connected for handsfree calling. Flashing: Connection is in progress. Lit: A cellular phone is connected.
	Indicates the signal strength status of the connected cellular phone.
	Indicates the remaining battery status of the connected cellular phone.
	None: No unread SMS messages Lit: Unread SMS message(s)

Installing the microphone

To capture your voice during handsfree calling, you need to install the microphone (supplied).

For details on how to connect the microphone, refer to the supplied "Installation/Connections" guide.

Pairing

Pairing is required only the first time you connect to a Bluetooth device (cellular phone, etc.).*1

To pair this unit to a Bluetooth device, you need to enter the same passkey*2 on this unit and on the Bluetooth device. The passkey can be either your own selected number or the number determined by the Bluetooth device. For details, refer to the manual of the Bluetooth device.

*1 If you delete the device registration from this unit, you need to perform pairing again.



*2 Passkey may be called "passcode," "PIN code," "PIN number," "password," etc., depending on the Bluetooth device.

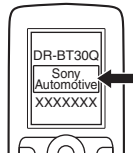
Tip

You can pair up to 9 devices.

Searching from the Bluetooth device

The procedure to search for this unit from the other Bluetooth device is explained below.



- 1 Press (HOME), then touch .**
- 2 Touch , and move the scrollbar up and down.**
The Bluetooth setting menu appears.
- 3 Touch "Bluetooth Connection," then set the signal to "ON."**
The Bluetooth signal of this unit is activated.
- 4 Touch "Pairing Mode."**
This unit is ready to be detected by the other Bluetooth device.
- 5 Start searching for this unit from the other Bluetooth device.**
After the search is complete, this unit appears as "Sony Automotive" in the list of the other Bluetooth device.



After you perform the required operation on the other Bluetooth device, the passkey input display appears on this unit.

6 Touch the number keys to enter the passkey from the other Bluetooth device.

Pairing is complete and this unit is connected to the other Bluetooth device.

When connection is made successfully,  or  appears at the top of the display.

Notes

- While connecting to a Bluetooth device, this unit cannot be detected from another device. To enable detection, disconnect the current connection.
- It may take time to search or connect.
- Depending on the device, the connection confirmation display may appear before inputting the passkey.
- The time limit for inputting the passkey differs depending on the device.
- This unit cannot be connected to a device that supports only HSP (Head Set Profile).

Connecting



When the ignition is turned to on with the Bluetooth signal activated, this unit searches for the last-connected Bluetooth device, and connection is made automatically if possible.

This chapter explains how to connect manually to registered Bluetooth devices.

Before starting, be sure to activate the Bluetooth signal both on this unit (page 38) and the other Bluetooth device.

To connect from the other Bluetooth device

Operate the other Bluetooth device to connect to this unit.

When connection is made successfully,  or  appears at the top of the display.

To connect to the last-connected device from this unit (Bluetooth Audio only)

During disconnection, press (HOME), then touch "BT Audio."

This unit searches for the last-connected Bluetooth device.

Note

If connection is made during audio streaming, noise may occur over playback sound.

Tip

You can connect a cellular phone for audio streaming if it supports A2DP (Advanced Audio Distribution Profile).

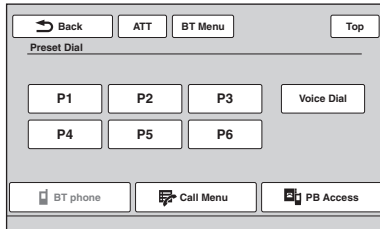
Handsfree calling


Once the unit is connected to the cellular phone, you can make/receive handsfree calls by operating this unit.

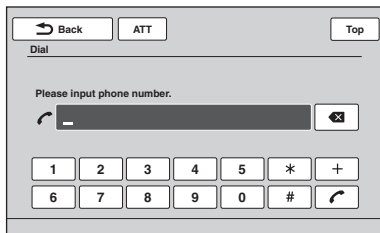
Making calls



By dialing a phone number

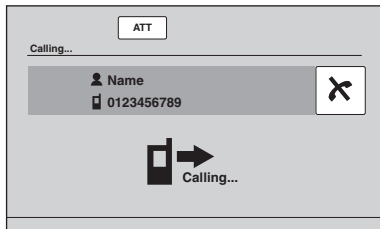
- 1 Press **(HOME)**, then touch **“BT Phone.”**
The Bluetooth Phone display appears.



- 2 Touch .
The number input display appears.



- 3 Touch the number keys to enter the phone number, then touch .
To delete an entered number, touch .
The call is made and the calling display appears until the other party answers.



By the phonebook

For details on how to manage the phonebook data, see “Phonebook management” on page 35.


- 1 Press **(HOME)**, then touch **“BT Phone.”**
The Bluetooth Phone display appears.

- 2 Touch .
The phonebook appears.

- 3 Select the desired contact.

- 1 In the initial list, touch the initial of the contact.
- 2 In the name list, touch the name of the contact.
- 3 In the number list, touch the phone number.

The contact confirmation display appears.


- 4 Touch .
The call is made and the calling display appears until the other party answers.

Tip
You can also browse the phonebook of the connected cellular phone on this unit and make a call (page 36).


By the call history

The unit stores the last 20 calls, allowing you to select one quickly from the list.

- 1 Press **(HOME)**, then touch **“BT Phone.”**
The Bluetooth Phone display appears.

- 2 Touch .
The call history list appears.
To scroll the list, move the scrollbar up and down.

- 3 Touch the desired item in the list.
The contact confirmation display appears.

- 4 Touch .
The call is made and the calling display appears until the other party answers.

By the preset dial

You can store up to 6 contacts in the preset dial. For details on how to store, see “Preset dial” on page 37.


- 1 Press **(HOME)**, then touch **“BT Phone.”**
The Bluetooth Phone display appears.

- 2 Touch the number in the list (“1” to “6”).
The contact confirmation display appears.



- 3 Touch **“Yes.”**
The call is made and the calling display appears until the other party answers.

By the voice dial function

You can make a call using the voice tag stored on the connected cellular phone.

- 1 Press **(HOME)**, then touch “BT Phone.”**
The Bluetooth Phone display appears.
- 2 Touch .**
- 3 Say the voice tag stored on the cellular phone.**
Your voice is recognized, then the call is made.
The calling display appears until the other party answers.

By the redial function

- 1 Press **(HOME)**, then touch “BT Phone.”**
The Bluetooth Phone display appears.
- 2 Touch .**
- 3 Touch the desired item in the list.**
The contact confirmation display appears.
- 4 Touch .**
The call is made and the calling display appears until the other party answers.

Notes

- Say the voice tag in the same way as you stored it on the cellular phone.
- If the voice dial function is activated on the connected cellular phone, it may not work via this unit.
- Do not use the voice dial function on the cellular phone while it is connected to this unit.
- Noises such as the engine running may interfere with sound recognition. In order to improve recognition, operate under conditions where noise is minimized.
- Voice dial may not work depending on the recognition specification of the cellular phone. For details, visit the support site on the back cover.

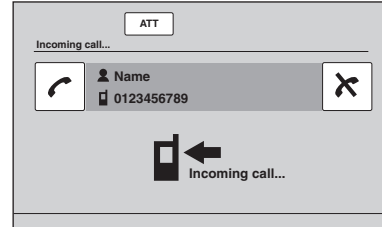
To adjust the talker's voice volume

Press **(VOL)** +/- while making a call.
The level of the talker's voice volume will be stored into memory, independently from the regular volume level.


Receiving calls

With the unit connected to the cellular phone, you can receive a call in any status (except for Mirror Link mode).

The following display indicates an incoming call, along with the ringtone.




To answer the call

Touch .

To adjust the ringtone volume

Press **(VOL)** +/- while receiving a call.
The level of ringtone volume will be stored into memory, independently from the regular volume level.

To reject a call

Touch .

Note

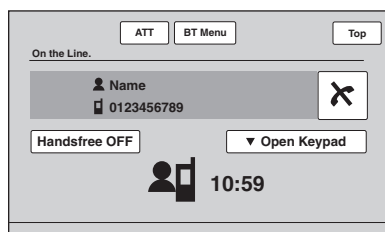
The ringtone and talker's voice are output only from the front speakers.

Tips

- You can set to answer a call automatically (page 37).
- You can set to use the ringtone of the cellular phone or this unit (page 37).

Operations during a call

The following display appears during a call.



To adjust the talker's voice volume

Press **(VOL)** +/- during a call.

The level of the talker's voice volume will be stored into memory, independently from the regular volume level.

To send DTMF (Dual Tone Multiple Frequency) tones

Touch "Open Keypad," then the required number keys.

To transfer the current call to the cellular phone

Touch "Handsfree OFF."

To transfer back to the handsfree call, touch "Handsfree ON."

Note

Depending on the cellular phone, connection may be cut off when call transfer is attempted.

To adjust the volume for the other party

- 1 Press **(HOME)**, then touch "BT Phone."
- 2 Touch **☰**, then "MIC Gain."
- 3 Touch **-/+** to adjust the level.
The level is adjustable in single steps, between "Low," "Mid," "High."
- 4 Touch "Back" repeatedly to return to the previous displays.

To end a call

Touch **✕**.

Phonebook management

You can store up to 1000 contacts in the phonebook and up to 3 phone numbers can be registered to each contact.

Notes

- Prior to disposal or changing ownership of your car with this unit still installed, be sure to press the reset button to erase all the phonebook data in this unit to prevent possible unauthorized access. Disconnecting the power supply lead will also erase all the phonebook data.
- Downloaded phonebook data from a cellular phone cannot be overwritten by subsequent data. However, some data (name, etc.), may be duplicated as a result.
- Phonebook data may be lost if this unit is damaged.
- When disposing of this unit, delete the phonebook data by initializing (page 38).

Storing phonebook data

To download from a cellular phone

If the connected cellular phone supports PBAP (Phone Book Access Profile), you can download phonebook data and store on this unit.

- 1 Press **(HOME)**, then touch "BT Phone."
The Bluetooth Phone display appears.
- 2 Touch **☰**, then "Phonebook Select."
- 3 Touch "Cellular."
When "Phonebook" is pressed, the cellular phone data will be loaded.

To receive from a cellular phone


You can send phonebook data from the connected cellular phone and receive it on this unit.

- 1 Press **(HOME)**, then touch "BT Phone."
The Bluetooth Phone display appears.
- 2 Touch **☰**, then "Receive Phonebook."
This unit is ready for receiving phonebook data.
- 3 Send the phonebook data by operating the connected cellular phone.
When receiving is complete, "Complete" appears and the phonebook data is stored on this unit.

Browsing a phonebook in a cellular phone

If the connected cellular phone supports PBAP (Phone Book Access Profile), you can browse its phonebook data on this unit. You can also make a call to a contact or add the contact to this unit's phonebook.

1 Press (HOME), then touch "BT Phone."
The Bluetooth Phone display appears.

2 Touch .
The phonebook access menu appears.

3 Touch "Option" to select the memory where phonebook data is stored.

To browse the data in a cellular phone's internal memory, set to "Memory."
To browse the data on the SIM card, set to "SIM."

4 Touch "Phonebook Select."
The phonebook of the connected cellular phone appears.

5 Select the desired contact.


1 In the initial list, touch the initial of the contact.

2 In the name list, touch the name of the contact.

3 In the number list, touch the phone number.

The contact confirmation display appears.

To call the contact


Select the desired contact from the phonebook, then touch .

Deleting phonebook data

To delete all phonebook data on this unit

1 Press (HOME), then touch "BT Phone."
The Bluetooth Phone display appears.

2 Touch .
The phonebook appears.

3 Touch .
The confirmation display appears.

4 Touch "Yes."
All phonebook data is deleted.


To delete an individual contact from the phonebook

1 Follow steps 1 to 2 above.

2 Select the contact to delete.

1 In the initial list, touch the initial of the contact.

2 In the name list, touch the name of the contact.

3 Touch .
The confirmation display appears.

4 Touch "Yes."
The contact is deleted from the phonebook.

Call data management

Call history

You can delete the items in the call history.

To delete all items in the call history

- 1 Press **(HOME)**, then touch **“BT Phone.”**
The Bluetooth Phone display appears.
- 2 Touch **⌘**.
The call history list appears.
- 3 Touch **⏏**.
The confirmation display appears.
- 4 Touch **“Yes.”**
All items in the call history are deleted.

Preset dial

You can store contacts in the phonebook or call history into the preset dials.

To store from the phonebook

- 1 Press **(HOME)**, then touch **“BT Phone.”**
The Bluetooth Phone display appears.
- 2 Touch **☰**.
The phonebook appears.
- 3 **Select the contact to store in the preset dial.**
 - 1 In the initial list, touch the initial of the contact.
 - 2 In the name list, touch the name of the contact.
 - 3 In the number list, touch the phone number.The contact confirmation display appears.
- 4 Touch **“Preset Memory,”** then the **desired preset number (“1” to “6”).**
The contact is stored to the selected preset number.

To change the registration of the preset dial

Follow the procedure above and overwrite a registered preset dial.

Bluetooth phone settings

The Bluetooth phone settings can be configured in “BT Phone.”

- 1 Press **(HOME)**, then touch **“BT phone.”**
- 2 Touch **☰**.
The Bluetooth phone setting menu appears.
- 3 **Touch the desired item in the list and configure the setting.**
The items in the Bluetooth phone setting menu are as follows:

“Ringtone”^{*1*2}

Uses the ringtone of this unit or the connected cellular phone: “Default,” “Cellular.”

“Auto Answer”^{*1}

Answers an incoming call automatically.

- “3sec”: to answer automatically after 3 seconds.
- “10sec”: to answer automatically after 10 seconds.
- “OFF”: to not answer automatically.

Phonebook Select

Browses the phonebook data on this unit or cellular phone: “Internal,” “Cellular.”

Receive Phonebook

Sends phonebook data from the connected cellular phone.

“Speech Quality” (Echo Canceller/Noise Canceller Mode)

Reduces echo and noise during a call.

For normal use, set to “Mode 1.”

If the outgoing sound quality is unsatisfactory, set to “Mode 2” or “OFF.”

“MIC Gain” (page 35)

Adjusts the microphone volume for the other party: “Low,” “Mid,” “High.”

*1 Cannot be configured during a handsfree call.

*2 Depending on the cellular phone, this unit's ringtone may be output even if set to “Cellular.”

Audio streaming

Listening to a Bluetooth device via this unit


If the other device supports A2DP (Advanced Audio Distribution Profile), you can listen to the playback sound via this unit.

- 1 Connect this unit and the Bluetooth device (page 32).**
- 2 Reduce the volume on this unit.**
- 3 Press **(HOME)**, then touch **"BT Audio."****
The Bluetooth Audio display appears.
- 4 Operate the other Bluetooth device to start playback.**
- 5 Adjust the volume on this unit.**

Operating a Bluetooth device with this unit

If the other device supports AVRCP (Audio Video Remote Control Profile), you can control playback via this unit.

Operations can be performed in the same way as disc playback (page 18), except for the following:



Do this	To
Touch 	reduce the volume level differences between this unit and the other Bluetooth device. The level is adjustable in single steps, between -8 and +18.

Notes

- The available operation differs depending on the Bluetooth device. Perform unavailable operations on the Bluetooth device.
- Depending on the Bluetooth device, it may be necessary to touch **▶||** twice to start/pause the playback.
- During audio streaming, some indications such as track name, etc., may not appear on this unit.

General Settings about Bluetooth

The Bluetooth settings can be configured in "BT Menu."

- 1 Press **(HOME)**, then touch .**
- 2 Touch , and move the scrollbar up and down.**
The Bluetooth setting menu appears.
- 3 Touch the desired item in the list and configure the setting.**

The items in the Bluetooth setting menu are as follows:

"Bluetooth Connection"*

Activates the Bluetooth signal: "ON," "OFF."
Set "ON" to enter the Pairing mode.

"Bluetooth Initialize"*

Initializes all Bluetooth-related settings. Touch "Yes" to confirm.
"Bluetooth Initialize" deletes all Bluetooth-related settings such as phonebook data, call history, preset dial, history of connected Bluetooth devices, etc.

* Cannot be configured during a handsfree call.

Note

For details on the setting of other Bluetooth devices, refer to their respective manuals.

Pandora® internet radio

Pandora® internet radio is available to stream music through your Android™ and BlackBerry® phones.

You can control Pandora® on Bluetooth connected Android and BlackBerry phone from this unit.

Download the latest version of the Pandora® application and obtain more information from www.pandora.com

For details on usable devices, visit the support site on the back cover.

Notes

- Certain Pandora® service functions may not be available.
- You can control Pandora® via the Bluetooth function on Android and BlackBerry phones only.
- Pandora®'s service is currently only available in the U.S.


Tip

You can also operate a Pandora® application on the iPod connected USB.

Playing back Pandora®


Before connecting the mobile device or iPhone, turn down the volume of the unit.


To connect the mobile device via the Bluetooth function


- 1 **Connect this unit and the mobile device via the Bluetooth function (page 32).**
- 2 **Launch the Pandora® application on the mobile device.**
- 3 **Press (HOME), then touch "Pandora."**
- 4 **Touch , then "Bluetooth for Android or Blackberry*."**
Playback starts.

* When the mobile device is connected, the device number may appear. Make sure that the same numbers are displayed (e.g., 123456) in this unit and the mobile device, then touch "Yes" on this unit and select "Yes" on the mobile device.

To connect the iPhone

- 1 **Launch the Pandora® application on the iPhone.**
- 2 **Connect this unit and iPhone.**
- 3 **Press (HOME), then touch "Pandora."**
- 4 **Touch , then "USB for iPhone."**
Playback starts.


To pause playback, touch . To resume playback, touch again.

To skip a song, touch .

Notes

- You cannot skip back to the previous song.
- Pandora® limits the number of skips allowed.


Adjusting the volume level

During playback, touch , then touch +/- in the "Volume Level Adjust."


"Thumbs" feedback

"Thumbs Up" or "Thumbs Down" feedback allows you to personalize stations to suit your preference.

Thumbs Up


During playback, touch .

Thumbs Down


During playback, touch .


Station list

The station list allows you to easily select a desired station.

- 1 **During playback, touch .**
The station list appears.
- 2 **Touch the desired station name.**
Playback starts.

To change the sorting order, touch "Panel Open;" then "Date" or "A-Z."

To scroll the list line by line, touch /▼.

To scroll the list continuously, touch and hold /▼.

QuickMix

QuickMix allows you to listen to songs played on one or more Pandora® stations in your station list randomly.

Edit your QuickMix station selections on the device before connection.

Bookmarking

The song or artist currently being played can be bookmarked and stored in your Pandora® account.

- 1 During playback, touch +, then + or +.

Creating a Station

A new station can be created based on the song or artist being played. It will be accessible from your Pandora® account immediately.

- 1 During playback, touch +, then + or +.

Note

Pandora® limits the number of stations per account.

Deleting a Station

Stations can be deleted from the station list in order to make room for new stations.

- 1 During playback, touch . The station list appears.
- 2 In the station list, touch . The delete mode will be activated and checkboxes will be shown next to station names.
- 3 Check the stations to be deleted and press “Delete.” A confirmation box will show “OK” to confirm deletion.
- 4 Touch “OK.”

Sound Adjustment

Selecting the sound quality — EQ7

You can select an equalizer curve from 7 music types (“Xplod,” “Vocal,” “Edge,” “Cruise,” “Space,” “Gravity,” “Custom,” or “OFF”).

- 1 During reception/playback, press (HOME), then touch .
- 2 Touch . The sound setting menu appears.
- 3 Touch “EQ7.” The options appear.
- 4 Touch the desired equalizer curve. The setting is complete.

To cancel the equalizer curve, select “OFF.” To return to the previous display, touch .

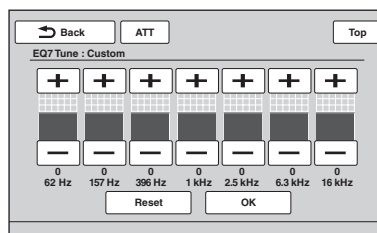
Note

When you operate the sound adjustment during USB Video playback, the playback is stopped and no sound is output.

Customizing the equalizer curve — EQ7 Tune

The EQ7 “Custom” curve allows you to make your own equalizer settings. You can adjust the level of 7 different bands: 63 Hz, 160 Hz, 400 Hz, 1 kHz, 2.5 kHz, 6.3 kHz, and 16 kHz.


- 1 During reception/playback, press (HOME), then touch .
- 2 Touch , then “EQ7.”
- 3 Touch “Tune.” The tuning display appears.



- 4 Touch +/- of each frequency to adjust their levels. The level is adjustable in single steps, between -8 and +8. To restore the factory-set equalizer curve, touch “Reset.”

5 Touch “OK.”

The setting is complete.

To return to the previous display, touch .



Tip

Other equalizer types are also adjustable.

Adjusting the sound characteristics

The sound balance between left and right speakers (“Balance”) and front and rear speakers (“Fader”) can be adjusted to your preference. You can also adjust the volume level of the subwoofer if it is connected.

1 During reception/playback, press

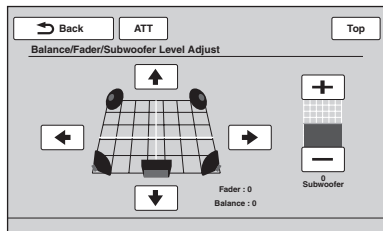
, then touch .

2 Touch .

The sound setting menu appears.

3 Touch “Balance/Fader/Subwoofer.”

The setting display appears.




4 Touch /// to adjust the balance/fader.

The level is adjustable in single steps between -15 and +15 (Balance)/-15 and +15 (Fader).

5 Touch +/- to adjust the volume level of the subwoofer.

This setting is adjustable only when a subwoofer is connected and “Subwoofer” is set to “ON” (page 49).

The level is adjustable in single steps, between -6 and +6.

To return to the previous display, touch .

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 options for “Listening Position” are indicated below.

“Front L” (①): Front left

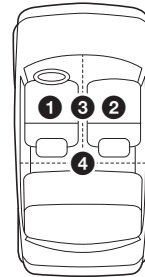
“Front R” (②): Front right

“Front” (③): Center front

“All” (④): In the center of your car

“Custom Tune”: Precisely calibrated position (page 42)



“OFF”: No position set



You can also set the approximate subwoofer position from your listening position if:

- the subwoofer is connected and “Subwoofer” is set to “ON” (page 49).
- the listening position is set to “Front L,” “Front R,” “Front,” or “All.”

1 During reception/playback, press

, then touch .

2 Touch .

The sound setting menu appears.

3 Touch “Listening Position.”

The setting display appears.

4 Move the scrollbar up and down, then touch “Listening Position.”

Touch “Front L,” “Front R,” “Front,” “All,” or “Custom Tune.”


5 Set the subwoofer position.

If you select “Front L,” “Front R,” “Front,” or “All” in step 4 above, you can set the subwoofer position.

Touch “Near,” “Normal,” or “Far.”

The setting is complete.



To cancel Intelligent Time Alignment, select “OFF.”

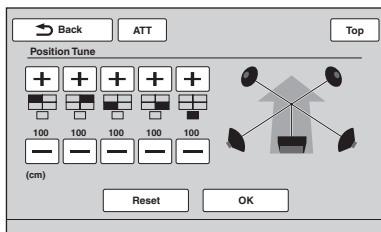
To return to the previous display, touch .

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.


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

- 1 During reception/playback, press (HOME) then touch .**
- 2 Touch , then “Listening Position.”**
- 3 Touch “Custom Tune.”**
The setting display appears.



- 4 Touch +/- of each speaker to set the distance between your listening position and the speakers.**
The distance is adjustable in 2 cm ($13/16$ in) steps, between 0 and 400 cm (0 and $13\ 1/10$ ft). To restore the default setting, touch “Reset.”

- 5 Touch “OK.”**
The setting is complete.

To return to the previous display, touch .


Note
The setting is applied only after “OK” is touched.


Speaker configuration and volume setup

Creating a virtual center speaker — CSO

DVD

To fully enjoy surround sound, it is preferable 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 a real center speaker is not connected.



- 1 During DVD playback, touch the display.**
- 2 Touch .**
The Disc Option menu appears.
- 3 Touch “Center Speaker Organizer.”**
The options appear.
- 4 Touch “CSO1,” “CSO2,” or “CSO3.”**
The setting is complete.


To return to the previous display, touch .

Note
“CSO” is effective only when “Multi Ch Output” is set to “Multi” (page 51), as it is effective only for playback of multi-channel sources.

Using rear speakers like subwoofers — Rear Bass Enhancer

Rear Bass Enhancer enhances the bass sound by applying the low pass filter setting (page 48) to the rear speakers. This function allows the rear speakers to work like a pair of subwoofers if one is not connected.

- 1 During reception/playback, press (HOME), then touch .**
- 2 Touch .**
The sound setting menu appears.
- 3 Move the scrollbar up and down, then touch “Rear Bass Enhancer.”**
The options appear.
- 4 Touch “RBE1,” “RBE2,” or “RBE3.”**
The setting is complete.



To return to the previous display, touch .

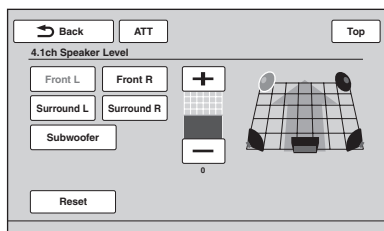
Adjusting the speaker volume

You can adjust the volume level of each connected speaker.

The adjustable speakers are “Front R” (Front Right), “Front L” (Front Left), “Surround L” (Rear Left), “Surround R” (Rear Right) and “Subwoofer*.”

* Adjustable only when a subwoofer is connected and “Subwoofer” is set to “ON” (page 49).


- 1 While no source is selected, press **(HOME)**, then touch .
- 2 Touch . The sound setting menu appears.
- 3 Move the scrollbar up and down, then touch **“4.1ch Speaker Level.”** The setting display appears.



- 4 Touch the speaker, then +/- to adjust the level.

Repeat this step to adjust each speaker’s volume.



To restore the default setting, touch “Reset.”

To return to the previous display, touch .

Monitor Adjustment

Touch panel calibration

Touch panel calibration is required if the touching position does not correspond with the proper item.

- 1 Press **(HOME)**, then touch .
- 2 Touch . The general setting menu appears.
- 3 Move the scrollbar up and down, then touch **“Touch Panel Adjust.”** The setting display appears.
- 4 Touch the targets in sequence. The calibration is complete.

To cancel calibration, touch “Cancel.”

Adjusting the picture — Picture EQ

You can adjust the picture to suit the interior brightness of the car. The options are indicated below.



“**Dynamic**”: Vivid picture with bright, clear colors.


“**Standard**”: Standard picture.

“**Theater**”: Brightens the monitor; suitable for darkly-lit movies.

“**Sepia**”: Applies a sepia tone to the picture.

“**Custom 1**,” “**Custom 2**”: User-adjustable settings (page 44).

- 1 During video/image playback, press **(HOME)**, then touch .
- 2 Touch . The Visual Settings menu appears.
- 3 Touch **“Picture EQ.”** The options appear.
- 4 Touch the desired option.



To return to the previous display, touch .

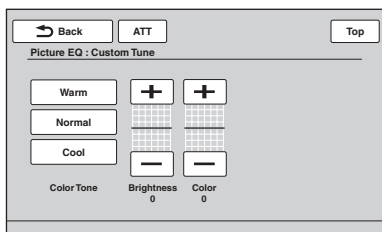
Notes

- This setting is available only when the parking brake is set.
- This setting is not available for USB Video.


Customizing the picture

The options “Custom 1” and “Custom 2” of Picture EQ allow you to make your own picture setting by adjusting the picture tones.

- 1 During video/image playback, press **(HOME)**, then touch .
- 2 Touch , then “Picture EQ.”
- 3 Touch “Custom 1” or “Custom 2,” then “Custom Tune.”
The setting display appears.



- 4 Touch “Warm,” “Normal,” or “Cool” to select “Color Tone.”
- 5 Touch +/- of “Brightness” and “Color” to adjust their levels.

To return to the previous display, touch .

Note

The picture of the rear view camera cannot be adjusted.

Selecting the aspect ratio

You can change the screen aspect ratio. The options are indicated below.

“Normal”: Picture with 4:3 aspect ratio (regular picture).



“Wide”: Picture with 4:3 aspect ratio enlarged to the left and right edges of the screen, with overflowing parts of the top and bottom cut off to fill the screen.






“Full”: Picture with 16:9 aspect ratio.



“Zoom”: Picture with 4:3 aspect ratio enlarged to the left and right edges of the screen.



- 1 During video/image playback, press **(HOME)**, then touch .
- 2 Touch .
- 3 Touch “Aspect.”
The options appear.
- 4 Touch the desired option.





To return to the previous display, touch .

Notes

- This setting is available only when the parking brake is set.
- The screen aspect ratio of the rear view camera cannot be changed.
- When you change the screen aspect of USB Video, enter the option menu of USB Video. (page 23)

Settings

The setting menu includes the following categories.

- : General Settings (page 46)
- : Sound Settings (page 48)
- : Visual Settings (page 50)
- : Source Settings (page 51)

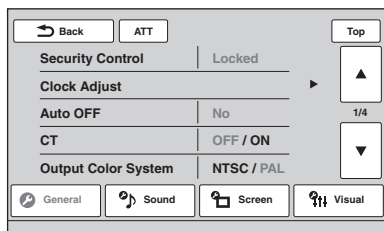
Basic setting operation

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

For example, when setting the demonstration:

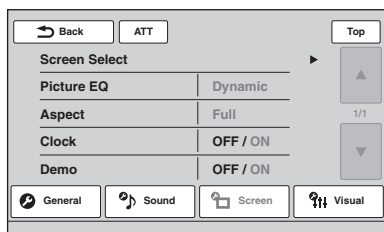
1 Press **HOME**, then touch .

The setting menu appears.



2 Touch .


The general setting display appears.





3 Touch "Demo" to set to "OFF."

The setting is complete.

To scroll the options (only when required), move the scrollbar up and down.

To return to the previous display, touch .

General Settings

Touch  →  → the desired item → the desired option. For details on this procedure, see “Basic setting operation” on page 45.



For details, see the pages listed below. “●” indicates the default setting.

Item	Option	Purpose	Unit status
Navigation Source Playback Control	L-Audio/ R-Nav, R-Audio/ L-Nav (●), Navigation Only	To change the Navigation mode.	Any status
Clock Adjust (page 14, 16)	–	–	Any status
Language	English (●), Français, Español, Português, Русский, Nederlands, Deutsch, Italiano	To select the display language.	Any status
Name Characters	Latin Characters (●), Russian Characters, Simplified Chinese, Traditional Chinese, Korean Characters, Thai Characters	To select the character encoding.	Any status
Auto OFF Shuts off automatically after a desired time when no source is selected.	No (●)	To deactivate the Auto Off function.	Any status
	30sec, 30min, 60min	To select the desired time.	
Demo	ON (●)	To activate the demonstration.	Any status
	OFF	To deactivate the demonstration.	
Beep	ON (●)	To activate the operation sound.	Any status
	OFF	To deactivate the operation sound.	
Rotary Commander Changes the operative direction of rotary commander controls.	Default (●)	To use in the factory-set position.	Any status
	Reverse	To use on the right side of the steering column.	

Item	Option	Purpose	Unit status
Key Illumination (page 29)	Light Blue (●)	To change the color of the buttons.	Any status
Touch Panel Adjust (page 43)	–	–	Any status
Camera Input Activates the video input from the connected rear view camera.	OFF	To deactivate the input.	Any status
	Normal (●)	To display the picture from the rear view camera when the back lamp lights up.	
	Reverse	To display the picture from the rear view camera when the shift lever is set to the R (reverse) position.	
Rear View Camera Setting (page 54)	–	–	Any status
Output Color System Changes the color system according to the connected monitor. (SECAM is not supported.)	NTSC (●)	To set to NTSC.	No source selected
	PAL	To set to PAL.	
Bluetooth Connection (page 32)	ON	To search from the Bluetooth device.	Any status
	OFF (●)	To not connect the Bluetooth device.	
Bluetooth Initialize*	–	To initialize the Bluetooth settings.	Any status
Firmware Version	–	To update the Firmware version.	Any status

* "Bluetooth Initialize" deletes all Bluetooth-related settings such as phonebook data, call history, preset dial, history of connected Bluetooth devices, etc.

Sound Settings



Touch  →  → the desired item → the desired option. For details on this procedure, see “Basic setting operation” on page 45.

For details, see the pages listed below. “●” indicates the default setting.

Item	Option	Purpose	Unit status
EQ7 (page 40)	OFF (●)	To cancel the equalizer curve.	During reception/ playback
	Xplod, Vocal, Edge, Cruise, Space, Gravity, Custom	To select the equalizer curve; customize the equalizer curve.	
Balance/Fader/Subwoofer (page 41)	Balance: (-15 ~ +15) Fader: (-15 ~ +15) ●: 0	To adjust the level.	During reception/ playback
	Subwoofer: (-6 ~ +6) ●: 0	To adjust the volume level of the subwoofer. (Available only when “Subwoofer” is set to “ON.”)	
	Listening Position (page 41) Sets the listening position and subwoofer position.	OFF	
	Front L (●)	To set to front left.	Any status
	Front R	To set to front right.	
	Front	To set to center front.	
	All	To set to the center of your car.	
	Custom	To precisely calibrate the listening position (page 42).	
	Subwoofer: Near, Normal (●), Far	To select the subwoofer position. (Available only when “Subwoofer” is set to “ON,” and the listening position is set to “Front L,” “Front R,” “Front,” or “All.”)	
Rear Bass Enhancer (page 42) Uses rear speakers like subwoofers.	OFF (●), RBE1, RBE2, RBE3	To select the mode.	During reception/ playback

Item	Option	Purpose	Unit status
Crossover Filter Selects the cut-off frequency of the front/rear speakers (HPF) and subwoofer (LPF).	LPF: 50 Hz, 60 Hz, 80 Hz, 100 Hz (●), 120 Hz	To select the cut-off frequency. (Available only when "Subwoofer" is set to "ON.")	During reception/ playback
	HPF: OFF (●)	To not cut out the frequencies.	
	HPF: 50 Hz, 60 Hz, 80 Hz, 100 Hz, 120 Hz	To select the cut-off frequency.	
	Subwoofer Phase: Normal (●), Reverse	To select the subwoofer phase. (Available only when "Subwoofer" is set to "ON.")	
Subwoofer Sets the subwoofer connection status.	ON (●)	To set the connection status to on.	No source selected
	OFF	To set the connection status to off.	
4.1ch Speaker Level (page 43)	–	–	No source selected

Visual Settings

Touch  →  → the desired item → the desired option. For details on this procedure, see “Basic setting operation” on page 45.



For details, see the pages listed below. “●” indicates the default setting.

Item	Option	Purpose	Unit status
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.	
Dimmer Level Sets the brightness level when the dimmer is activated.	(-5 ~ +5) ●: 0	To select the level.	Any status
Picture EQ *1 (page 43)	Dynamic (●), Standard, Theater, Sepia	To select the picture quality.	During video/ image playback
	Custom 1, Custom 2	To customize the picture quality.	
Aspect *1*2 (page 44)	Full (●), Normal, Wide, Zoom	To select the screen aspect ratio.	During video/ image playback




*1 This setting is available only when the parking brake is set.

*2 When you change the screen aspect of USB Video, enter the option menu of USB Video (page 23).

Source Settings

Touch  →  → the desired item → the desired option. For details on this procedure, see “Basic setting operation” on page 45.

For details, see the pages listed below. “●” indicates the default setting.

Item	Option	Purpose	Unit status
DVD Direct Search (page 22) Sets the search item for DVD direct search play.	Chapter (●)	To search for a chapter.	Any status
	Title	To search for a title.	
DVD Menu Language	–	To change the disc’s menu language.	No source selected
DVD Audio Language	–	To change the soundtrack language.	No source selected
DVD Subtitle Language	–	To change the subtitle language recorded on the disc.	No source selected
Audio DRC Makes the sound clear when the volume is low. Only for a DVD* conforming to Audio DRC (Dynamic Range Control). <i>* Excluding DVD-R/DVD-R DL/ DVD-RW in VR mode.</i>	Standard (●)	To select the standard setting.	No source selected
	Wide	To obtain the feeling of being at a live performance.	
Multi Channel Output Switches the method of outputting multi channel sources.	Multi (●)	To output in 4.1 channels.	No source selected
	Stereo	To downmix to 2 channels.	
Monitor Type Selects an aspect ratio suitable for the connected monitor. (The screen aspect ratio of this unit also changes.) Depending on the disc, “4:3 Letter Box” may be selected automatically instead of “4:3 Pan Scan,” and vice versa.	16:9 (●) 	To display a wide picture. Suitable when connecting to a wide-screen monitor or a monitor with a wide mode function.	No source selected
	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.	

Item	Option	Purpose	Unit status
DVD Playlist Play (For DVD-R/DVD-R DL/ DVD-RW in VR mode only)	Original (●)	To play titles as they were originally recorded.	No source selected
	Playlist	To play an edited playlist.	
Video CD PBC (page 20)	ON (●)	To play a VCD with PBC functions.	No source selected
	OFF	To play a VCD without PBC functions.	
Multi Disc Resume	ON (●)	To store the resume settings in memory for up to 5 video* discs. <i>* DVD VIDEO/VCD/Xvid/MPEG-4 only.</i>	No source selected
	OFF	To not store the resume settings in memory. Resume playback is available only for the current disc in the unit.	
SXM Parental Control (page 54)	Locked	To activate the parental lock.	No source selected
	Unlocked (●)	To deactivate the parental lock.	
Source Skip	–	To skip Source select.	Any status

Note

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

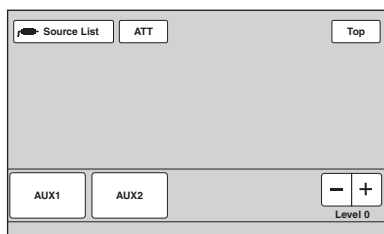
Using Optional Equipment

Auxiliary audio/video equipment

You can connect up to 2 optional devices, such as a portable media player, game console, etc., to the AUX1 IN and AUX2 IN terminals on the unit.

Selecting an auxiliary device

- 1 Press **(HOME)**, then touch **“AUX.”**
The AUX playback display appears.



- 2 Touch **“AUX1”** or **“AUX2”** to select the device.

Operate via the portable device itself.

Adjusting the volume level

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

The volume level is common to “AUX1” and “AUX2.”

- 1 Reduce the volume on the unit.
- 2 Press **(HOME)**, then touch **“AUX.”**
The AUX playback display appears.
- 3 Touch **☰** to open the menu, then touch **“Adjust Input Level.”**
- 4 Set your usual listening volume on the unit.
- 5 Touch **-/+** repeatedly to adjust the level.

The level is adjustable in single steps, between -8 and +18.

Setting the type of device

By setting the type (video or audio) of each connected device, the background screen can be switched accordingly.

- 1 Press **(HOME)**, then touch **“AUX.”**
- 2 Touch **☰** to open the menu, then touch **“AUX 1 Input”** or **“AUX 2 Input.”**
- 3 Touch **“Audio”** or **“Video.”**
The setting is complete.

To return to the previous display, touch **↩**.

SiriusXM Connect Tuner

By connecting an optional SiriusXM Connect Tuner, you can use the features and functions of the SiriusXM satellite radio (SiriusXM subscriptions sold separately).

For more details on services, visit the following web site:
<http://www.siriusxm.com/>

1 Press (HOME), then touch “SXM.”

Selecting Channel List or Category List

1 Press ↵.

The Channel List appears on the display.

2 Move the scrollbar up and down to select the desired channel.

3 Press ↵.

The Category List appears on the display.

4 Move the scrollbar up and down to select the desired category.

Storing channels

1 Touch  to enter the Preset Edit mode.

2 Select the number that you want to store.

Parental control

Some SiriusXM channels contain content that is not suitable for children. You can enable a parental control passkey for these channels.

1 On the Source Settings (page 51), move the scrollbar up and down to select “SXM Parental Control.”

2 Enter the passkey, then touch “OK.”

To unblock the channels, enter the passkey. The initial passkey is “0000.”

Displaying the SiriusXM Radio ID

1 During playback, touch .

2 Enter “000,” then select “channel 0.”

Rear view camera

By connecting the optional rear view camera to the CAMERA terminal, you can display the picture from the rear view camera.

The picture from the rear view camera appears when:

- the back lamp lights up (or the shift lever is set to the R (reverse) position).
- you press (HOME) then touch “Rear View Camera.”*
- you press (DSPL) repeatedly.*

* The marker lines you edit in Rear view camera settings do not appear.

Notes

- When backing up your car, watch the surroundings carefully for safety. Do not depend on the rear view camera exclusively.
- The picture from a rear view camera does not appear in the rear monitor.

Tip


Even if a rear view camera is connected, you can set the unit to not display the picture from a rear view camera by deactivating the camera input (page 47).

Rear view camera settings

You can display setting items on the picture from the rear view camera to assist operation.

This setting is available only when:

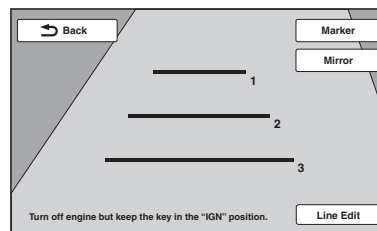
- “Camera Input” is set to “Normal” or “Reverse” (page 47).
- the parking brake is applied.

1 Press (HOME), then touch .

2 Touch .

3 Move the scrollbar up and down, then touch “Rear View Camera Setting.”

The setting items appear.



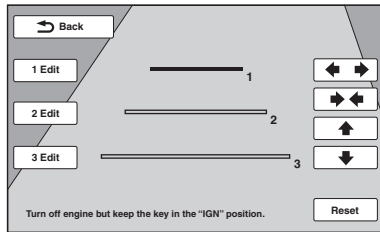
Displaying marker lines

Touch “Marker.”

Touch “Marker” again to hide the marker lines.

Editing lines

1 Touch "Line Edit."



- 2 Select the line to edit.
Touch "1 Edit," "2 Edit," or "3 Edit" corresponding to the line to edit.
 - 3 Edit the line.
To increase the length, touch .
To reduce the length, touch .
To adjust the position, touch or .
To restore the default setting, touch "Reset."
- To return to the previous display, touch .

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 LCD panel

- Do not wet the LCD panel or expose it to liquids. This may cause a malfunction.



- Do not press on the LCD panel as doing so can distort the picture or cause a malfunction (i.e., the picture may become unclear, or the LCD panel may be damaged).
- Do not touch other than with the finger, as it may damage or break the LCD panel.
- Clean the LCD panel with a dry soft cloth. Do not use solvents such as benzine, thinner, commercially available cleaners, or antistatic spray.
- Do not use this unit outside the temperature range 5 – 45 °C (41 – 113 °F).
- If your car was parked in a cold or hot place, the picture may not be clear. However, the monitor is not damaged, and the picture will become clear after the temperature in your car becomes normal.
- Some stationary blue, red or green dots may appear on the monitor. These are called "bright spots," and can happen with any LCD. The LCD panel is precision-manufactured with more than 99.99% of its segments functional. However, it is possible that a small percentage (typically 0.01%) of the segments may not light up properly. This will not, however, interfere with your viewing.

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 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 56).
- 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, refer to the manual supplied with the disc.

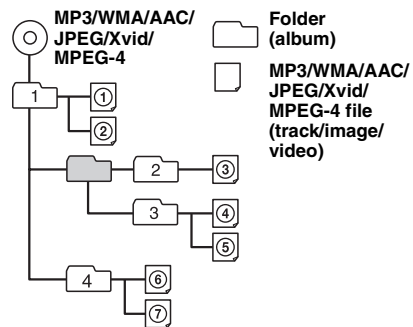
Notes on Multi Session CDs/Multi Border DVDs

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 another 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 28.

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



About WMA files

WMA^{*1} files meeting the following requirements can be played. Playback is not guaranteed for all WMA files meeting the requirements.

Codec for Disc

- Media File format: ASF file format
- File extension: .wma
- Bit rate: 64 to 192 kbps (Supports variable bit rate (VBR))
- Sampling frequency ^{*2}: 44.1 kHz

Codec for MSC

- Media File format: ASF file format
- File extension: .wma
- Bit rate: 64 to 192 kbps (Supports variable bit rate (VBR)) ^{*4}
- Sampling frequency ^{*2}: 44.1 kHz

About MP3 files

MP3 files meeting the following requirements can be played. Playback is not guaranteed for all MP3 files meeting the requirements.

Codec for Disc

- Media File format: MP3 (MPEG-1 Layer3) file format
- File extension: .mp3
- Bit rate: 48 to 192 kbps (Supports variable bit rate (VBR))
- Sampling frequency ^{*2}: 32, 44.1, 48 kHz

Codec for MSC

- Media File format: MP3 (MPEG-1 Layer3) file format
- File extension: .mp3
- Bit rate: 32 to 320 kbps (Supports variable bit rate (VBR)) ^{*4}
- Sampling frequency ^{*2}: 32, 44.1, 48 kHz

About AAC files

AAC^{*3} files meeting the following requirements can be played. Playback is not guaranteed for all AAC files meeting the requirements.

Codec for Disc

- Media File format: MP4 file format
- File extension: .mp4, .m4a,
- Bit rate: 40 to 320 kbps (Supports variable bit rate (VBR))
- Sampling frequency ^{*2}: 44.1, 48 kHz

Codec for MSC

- Media File format: MP4 file format
- File extension: .mp4, .m4a, .3gp
- Bit rate: 48 to 288 kbps (Supports variable bit rate (VBR)) ^{*4}
- Sampling frequency ^{*2}: 8, 11.025, 12, 16, 22.05, 24, 32, 44.1, 48 kHz

About Linear PCM files

Linear PCM files meeting the following requirements can be played. Playback is not guaranteed for all Linear PCM files meeting the requirements.

Codec for MSC

- Media File format: Wave-Riff file format
- File extension: .wav
- Bit rate: 1,411 kbps
- Sampling frequency ^{*2}: 44.1 kHz

About HE-AAC files

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

Codec for MSC

- Media File format: MP4 file format
- File extension: .mp4, .m4a, .3gp
- Bit rate: 32 to 144 kbps ^{*4}
- Sampling frequency ^{*2}: 8, 11.025, 12, 16, 22.05, 24, 32, 44.1, 48 kHz

About AVC (H.264/AVC) files

AVC (H.264/AVC) files meeting the following requirements can be played. Playback is not guaranteed for all AVC (H.264/AVC) files meeting the requirements.

Codec for MSC

- Media File format: MP4 file format,
- File extension: .mp4, .m4v
- Profile: Baseline Profile/Main Profile
- Level: 4
- Bit rate: Max. 20 Mbps
- Frame rate: Max. 30 fps (30p/60i)
- Resolution: Max. 1,920 x 1,080 ^{*5}

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.

Codec for Disc

- Media File format: MP4 file format,
- File extension: .mp4
- Profile: Simple Profile
- Bit rate: Max. 10Mbps on DVD, 7Mbps on CD
- Frame rate: Max. 30 fps (30p/60i)
- Resolution: Max. 720 x 576 pixel

- Media File format: Xvid file format
- File extension: .avi, .xvid
- Profile: Advanced Simple Profile
- Bit rate: Max. 10Mbps on DVD, 7Mbps on CD
- Frame rate: Max. 30 fps (30p/60i)
- Resolution: Max. 720 x 576 ^{*5}

Codec for MSC

- Media File format: MP4 file format

- File extension: .mp4, .m4v
- Profile: Simple Profile
- Bit rate: Max. 20 Mbps
- Frame rate: Max. 30 fps (30p/60i)
- Resolution: Max. 1,280 x 720 *⁵

- Media File format: MP4 file format
- File extension: .mp4, .m4v
- Profile: Advanced Simple Profile
- Bit rate: Max. 10 Mbps ... (TBD)
- Frame rate: Max. 30 fps (30p/60i)
- Resolution: Max. 720 x 576 *⁵

- Media File format: Xvid file format
- File extension: .avi, .xvid
- Profile: Advanced Simple Profile
- Bit rate: Max. 8 Mbps
- Frame rate: Max. 30 fps (30p/60i)
- Resolution: Max. 720 x 576 *⁵

About Windows Media files

Windows Media files meeting the following requirements can be played. Playback is not guaranteed for all Windows Media files meeting the requirements.

Video 9 *¹*⁶

- Media File format: ASF file format
- File extension: .wmv
- Bit rate: Max. 20 Mbps ... (TBD)
- Frame rate: Max. 30 fps (30p/60i)
- Resolution: Max. 1,920 x 1,080 *⁵

About JPEG files

JPEG*⁷ files meeting the following requirements can be played. Playback is not guaranteed for all JPEG files meeting the requirements.

Codec for MSC

- Media File format: Compatible with DCF 2.0/Exif 2.21 file format
- File extension: .jpg, .jpeg
- Profile: Baseline Profile
- Number of pixels: Max. 6,048 x 4,032 pixels (24,000,000 pixels)

*¹ Copyright protected WMA/WMV files cannot be played back.

*² Sampling frequency may not correspond to all encoders.

*³ Copyright protected AAC-LC files cannot be played back.

*⁴ Non-standard bit rates or non-guaranteed bit rates are included depending on the sampling frequency.

*⁵ These numbers indicate the maximum resolution of playable video, and do not indicate the player's display resolution. The display resolution is 800 x 480.

*⁶ Some WMV files can be played back only by transferring using Windows Media Player.

*⁷ Some photo files cannot be played back, depending on their file formats.

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 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 4S
- iPhone 3GS
- iPhone 3G
- iPhone

* *Passenger App Control is not available for iPod nano (1st generation).*

- “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.

About Bluetooth function

What is Bluetooth technology?

- Bluetooth wireless technology is a short-range wireless technology that enables wireless data communication between digital devices, such as a cellular phone and a headset. Bluetooth wireless technology operates within a range of about 10 m (about 33 feet). Connecting two devices is common, but some devices can be connected to multiple devices at the same time.
- You do not need to use a cable for connection since Bluetooth technology is a wireless technology, neither is it necessary for the devices to face one another, such is the case with infrared technology. For example, you can use such a device in a bag or pocket.
- Bluetooth technology is an international standard supported by millions of companies all over the world, and employed by various companies worldwide.

On Bluetooth communication

- Bluetooth wireless technology operates within a range of about 10 m. Maximum communication range may vary depending on obstacles (person, metal, wall, etc.) or electromagnetic environment.
- The following conditions may affect the sensitivity of Bluetooth communication.
 - There is an obstacle such as a person, metal, or wall between this unit and Bluetooth device.
 - A device using 2.4 GHz frequency, such as a wireless LAN device, cordless telephone, or microwave oven, is in use near this unit.
- Because Bluetooth devices and wireless LAN (IEEE802.11b/g) use the same frequency, microwave interference may occur and result in communication speed deterioration, noise, or invalid connection if this unit is used near a wireless LAN device. In such as case, perform the following.
 - Use this unit at least 10 m away from the wireless LAN device.
 - If this unit is used within 10 m of a wireless LAN device, turn off the wireless LAN device.
 - Install this unit and Bluetooth device as near to each other as possible.
- Microwaves emitting from a Bluetooth device may affect the operation of electronic medical devices. Turn off this unit and other Bluetooth devices in the following locations, as it may cause an accident.
 - where inflammable gas is present, in a hospital, train, airplane, or petrol station
 - near automatic doors or a fire alarm
- This unit supports security capabilities that comply with the Bluetooth standard to provide a secure connection when the Bluetooth wireless technology is used, but security may not be enough depending on the setting. Be careful when communicating using Bluetooth wireless technology.
- We do not take any responsibility for the leakage of information during Bluetooth communication.
- Connection with all Bluetooth devices cannot be guaranteed.
 - A device featuring Bluetooth function is required to conform to the Bluetooth standard specified by Bluetooth SIG, and be authenticated.
 - Even if the connected device conforms to the above mentioned Bluetooth standard, some devices may not be connected or work correctly, depending on the features or specifications of the device.
 - While talking on the phone handsfree, noise may occur, depending on the device or communication environment.
- Depending on the device to be connected, it may require some time to start communication.

Others

- Using the Bluetooth device may not function on cellular phones, depending on radio wave conditions and location where the equipment is being used.

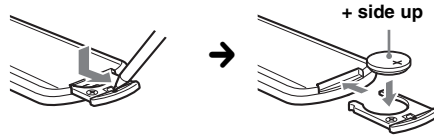
- If you experience discomfort after using the Bluetooth device, stop using the Bluetooth device immediately. Should any problem persist, consult your nearest Sony dealer.

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

Maintenance

Replacing the lithium battery of the remote commander

Under normal conditions, the battery will last approximately 1 year. (The service life may be shorter, depending on the conditions of use.) When the battery becomes weak, the range of the 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

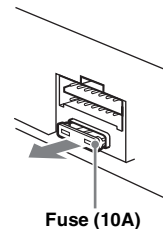
- Keep the lithium battery out of the reach of children. Should the battery be swallowed, immediately consult a doctor.
- Wipe the battery with a dry cloth to assure a good contact.
- Be sure to observe the correct polarity when installing the battery.
- Do not hold the battery with metallic tweezers,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

WARNING

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

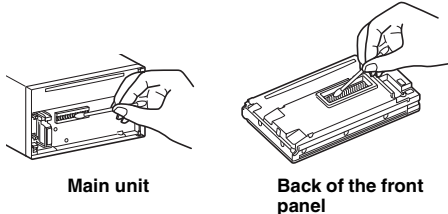
Fuse replacement

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



Cleaning the connectors

The unit may not function properly if the connectors between the unit and the front panel are not clean. In order to prevent this, detach the front panel (page 14) and clean the connectors with a cotton swab. Do not apply too much force. Otherwise, the connectors may be damaged.

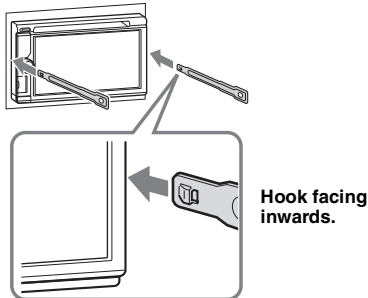


Notes

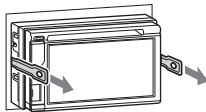
- For safety, turn off the ignition before cleaning the connectors, and remove the key from the ignition switch.
- Never touch the connectors directly with your fingers or with any metal device.

Removing the unit

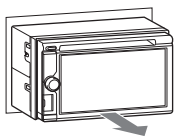
- 1 Insert both release keys simultaneously until they click.



- 2 Pull the release keys to unseat the unit.



- 3 Slide the unit out of the mounting.



Specifications

FOR UNITED STATES CUSTOMERS. NOT APPLICABLE IN CANADA, INCLUDING IN THE PROVINCE OF QUEBEC.

POUR LES CONSOMMATEURS AUX ÉTATS-UNIS. NON APPLICABLE AU CANADA, Y COMPRIS LA PROVINCE DE QUÉBEC.

AUDIO POWER SPECIFICATIONS



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

Monitor section

Display type: Wide LCD color monitor

Dimensions: 6.1 in

System: TFT active matrix

Number of pixels:

1,152,000 pixels (800 × 3 (RGB) × 480)

Color system:

PAL/NTSC/SECAM/PAL-M/PAL-N automatic
select

Tuner section

FM

Tuning range: 87.5 – 107.9 MHz

Antenna (aerial) terminal:

External antenna (aerial) connector

Intermediate frequency: 25 kHz

Usable sensitivity: 8 dBf

Selectivity: 75 dB at 400 kHz

Signal-to-noise ratio: 80 dB (mono)

Separation: 50 dB at 1 kHz

Frequency response: 20 – 15,000 Hz

AM

Tuning range: 530 – 1,710 kHz

Antenna (aerial) terminal:

External antenna (aerial) connector

Intermediate frequency:

9,115 kHz or 9,125 kHz/5 kHz

Sensitivity: 26 μV

DVD/CD Player section

Signal-to-noise ratio: 120 dB

Frequency response: 10 – 20,000 Hz

Wow and flutter: Below measurable limit

Harmonic distortion: 0.01%

Region code: Labeled on the bottom of the unit

USB Player section

Interface: USB (High-speed)

Maximum current: 1 A

Wireless Communication

Communication System:

Bluetooth Standard version 2.1 + EDR

Output:

Bluetooth Standard Power Class 2 (Max. +4 dBm)

Maximum communication range:

Line of sight approx. 10 m (33 ft)*1

Frequency band:

2.4 GHz band (2.4000 – 2.4835 GHz)

Modulation method: FHSS

Compatible Bluetooth Profiles*2:

A2DP (Advanced Audio Distribution Profile) 1.2
AVRCP (Audio Video Remote Control Profile) 1.3
HFP (Handsfree Profile) 1.5
PBAP (Phone Book Access Profile)
OPP (Object Push Profile)

*1 *The actual range will vary depending on factors such as obstacles between devices, magnetic fields around a microwave oven, static electricity, reception sensitivity, antenna's performance, operating system, software application, etc.*

*2 *Bluetooth standard profiles indicate the purpose of Bluetooth communication between devices.*

Power amplifier section

Outputs: Speaker outputs

Speaker impedance: 4 – 8 ohms

Maximum power output: 52 W × 4 (at 4 ohms)

General

Outputs:

Video output terminal (rear)
Audio output terminals (front/rear)
Subwoofer output terminal
Power antenna (aerial)/Power amplifier control terminal (REM OUT)

Inputs:

Illumination control terminal
BUS control input terminal
Remote controller input terminal
Antenna (aerial) input terminal
Parking break control terminal
Microphone input terminal
Reverse input terminal
Camera input terminal
AUX audio input terminals
AUX video input terminals
USB signal input connector

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

Dimensions: Approx. 178 × 100 × 173 mm (7 1/8 × 4 × 6 7/8 in) (w/h/d)

Mounting dimensions: Approx. 182 × 111 × 160 mm (7 1/4 × 4 3/8 × 6 3/8 in) (w/h/d)

Mass: Approx. 2.0 kg (4 lb 5 oz)

Supplied accessories:

Parts for installation and connections (1 set)
Microphone
Remote Commander: RM-X271
Panel Case

Optional accessories/equipment:

Mobile monitor: XVM-B62
USB and Video connection cable for iPod:
RC-202IPV
Rear View Camera: XA-R800C

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

US and foreign patents licensed from Dolby Laboratories.

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

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.

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

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.

There is 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 reset button has been pressed.
→ Store again into the memory.
- The power supply lead or battery has been disconnected or it is not connected properly.

Stored stations and correct time are erased.

The fuse has blown.

The unit 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 on the monitor.

- The dimmer is set to "ON" (page 50).
- The display disappears if you press and hold **(SOURCE/OFF)**.
 - Press **(SOURCE/OFF)** on the unit until the display appears.
- "M.OFF" is set to on and the Monitor Off function is activated (page 10).
 - Touch anywhere on the display to turn the display back on.

The display does not respond to your touch correctly.

- Touch one part of the display at a time. If two or more parts are touched simultaneously, the display will not operate correctly.
- Calibrate the touch panel of the display (page 43).

The Auto Off function does not operate.

The unit is turned on. The Auto Off function activates after turning off the unit.
→ Exit the source.

Operation of the remote commander is not possible.

If the Monitor Off function is activated (no lighting), operation of the remote commander is not possible (page 10).

The menu items cannot be selected.

Unavailable menu items are displayed in gray.

AUX cannot be selected as the source.

All AUX input settings are set to "OFF".
→ Set "AUX1 Input"/"AUX2 Input" to "Video" or "Audio" (page 53).

The monitor angle cannot be adjusted.

The monitor was opened while the unit was being reset.
→ Be sure to close the front panel before you reset the unit.

Radio reception

The stations cannot be received.

The sound is hampered by noises.

- The connection is not correct.
- Connect an 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 radio antenna (aerial) in the rear/side glass).
 - Check the connection of the car antenna (aerial).
 - If the auto antenna (aerial) will not extend, check the connection of the power antenna (aerial) control lead.

Preset tuning is not possible.

- Store the correct frequency in the memory.
- The broadcast signal is too weak.

Automatic tuning is not possible.

The broadcast signal is too weak.
→ Perform manual tuning.

RDS

PTY displays "None."

- 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.
- The disc is defective or dirty.
- Installation is not correct.
 - Install the unit at an angle of less than 45° in a sturdy part of the car.
- The parking cord (light green) is not connected to the parking brake switch cord, or the parking brake is not applied.

The picture does not fit in the screen.

The aspect ratio is fixed on the DVD.

There is no picture/picture noise occurs in the rear monitor.

- A source/mode which is not connected is selected. If there is no input, no picture appears in the rear monitor.
- The color system setting is incorrect.
 - Set the color system to "PAL" or "NTSC" according to the connected monitor (page 47).
- The picture of the rear view camera is displayed on this unit.
 - No picture appears in the rear monitor if the picture of the rear view camera is displayed on this unit.

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.
- The disc is defective or dirty.
- 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 21).
- The volume is too low.
- The ATT function is activated.
- The position of the fader control "Fader" is not set for a 2-speaker system.
- The format is not supported (such as DTS).
 - Check if the format is supported by this unit (page 9).

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.

- The disc is defective or dirty.
- The disc is not playable.
- The DVD is not playable due to the region code.
- The disc is not finalized (page 56).
- The disc format and file version are incompatible with this unit (page 9, 56).
- Press  to remove the disc.

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

- Recording was not performed according to the ISO 9660 level 1 or level 2 format or the Joliet or Romeo expansion format (DATA CD), or the UDF Bridge format (DATA DVD) (page 56).
- The file extension is incorrect (page 57).
- 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 28).

MP3/WMA/AAC/JPEG/Xvid/MPEG-4 files take longer to play 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 52) 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, refer to 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 remote commander (page 17).
- Multilingual tracks, multilingual subtitles, or multi-angles are not recorded on the DVD.
- The DVD prohibits changing.

The operation buttons do not function.

The disc will not eject.

Press the reset button (page 13).

USB playback

Items cannot be played via a USB hub.

This unit cannot recognize USB devices via a USB hub.

Items cannot be played.

Reconnect the USB device.

The USB device takes longer to play.


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.
- During USB Video playback, the playback is intermittent.
 - Press  or launch the System settings
 - Launch the USB Photo, Navigation, etc.

Bluetooth function

The other Bluetooth device cannot detect this unit.

- Set "Signal" to "ON" (page 38).
- While connecting to a Bluetooth device, this unit cannot be detected from another device. Disconnect the current connection and search for this unit from the other device. The disconnected device can be reconnected by selecting from the list of registered devices.

This unit cannot detect the other Bluetooth device.

Check the Bluetooth setting of the other device.

Connection is not possible.

- Depending on the other device, searching from this unit may not be possible.
 - Search for this unit from the other device.
- Depending on the status of the other device, searching from this unit may not be possible.
 - Search for this unit from the other device.
- Check the pairing and connection procedures in the manual of the other device, etc., and perform the operation again.

The name of the detected device does not appear.

Depending on the status of the other device, it may not be possible to obtain the name.

There is no ringtone.

- Raise the volume while receiving a call.
- Depending on the connecting device, the ringtone may not be sent properly.
 - Set "Ringtone" to "Default" (page 37).

The talker's voice volume is low.

Raise the volume during a call.

The other party says that the volume is too low or high.

Adjust the "MIC Gain" level (page 35).

Echo or noise occurs during call conversations.

- Reduce the volume.
- "Speech Quality" is set to "OFF."
 - Set "Speech Quality" to "Mode 1" or "Mode 2" (page 37).
- If ambient noise other than the phone call sound is loud, try reducing this noise.
 - Shut the window if road noise is loud.
 - Lower the air conditioner if the air conditioner is loud.

The phone sound quality is poor.

Phone sound quality depends on reception conditions of the cellular phone.

→ Move your car to a place where you can enhance the cellular phone's signal if the reception is poor.

The volume of the connected Bluetooth device is low or high.

Volume level will differ depending on the Bluetooth device.

→ Reduce the volume level differences between this unit and the Bluetooth device (page 38).

No sound is output during audio streaming.

The connected Bluetooth device is paused.

→ Cancel pause of the Bluetooth device.

The sound skips during audio streaming.

- Reduce the distance between the unit and the Bluetooth device.
- If the Bluetooth device is stored in a case which interrupts the signal, remove the case while using the device.
- Several Bluetooth devices or other devices which emit radio waves are used nearby.
 - Turn off the other devices.
 - Increase the distance from the other devices.
- The playback sound stops momentarily when this unit is connecting to a cellular phone. This is not a malfunction.

You cannot control the connected Bluetooth device during audio streaming.

Check that the connected Bluetooth device supports AVRCP.

Some functions do not work.

Check that the connecting device supports the functions in question.

The name of the other party does not appear when a call is received.

- The other party is not stored in the phonebook.
 - Add the other party to the phonebook (page 35).
- The calling phone is not set to send the phone number.

A call is answered unintentionally.

- The connecting phone is set to start a call automatically.
- "Auto Answer" of this unit is set to "Short" or "Long" (page 37).

Pairing failed due to time out.

Depending on the connecting device, the time limit for pairing may be short. Try completing the pairing within the time by setting a single digit passkey.

The Bluetooth function cannot be operated.

Exit the source by pressing and holding **[SOURCE/OFF]** for 1 second, then turn on the unit.

No sound is output from the car speakers during a handsfree call.

If the sound is output from the cellular phone, set the cellular phone to output the sound from the car speakers.

Error displays/messages

Bluetooth device is not found.

The unit cannot detect a connectable Bluetooth device.

→ Check the Bluetooth setting of the connecting device.

Busy now... Please try again.

The unit is busy.

→ Wait for a moment and try again.

Cannot read.

- The unit cannot read the data due to some problem.
- The data is damaged or corrupted.
- The disc is corrupted.
- The disc is incompatible with this unit.
- The disc is not finalized.

Disc Error

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

Disc Reading...

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.

Error

- The USB device was not automatically recognized.
→ Reconnect it again.
- Phonebook content has changed during cellular phone access.
→ Access the phonebook again.
- Phonebook access was disconnected by the cellular phone.
→ Access the phonebook again.
- Phonebook download from the cellular phone failed due to a problem.
→ Download the phonebook again (page 35).
- Phonebook browsing from the cellular phone failed due to a problem.
→ Retry browsing (page 36).
- Phonebook listing from the cellular phone failed due to a problem.
→ Retry listing (page 36).

Error - Please select 'Bluetooth Initialize' from the General Settings menu.

- A memory error has occurred.
→ Initialize the Bluetooth setting (page 38).

FAILURE (Displays for about 1 second.)

- When the SAT tuner is connected, storing a SAT radio channel in a preset failed.
→ Be sure to tune to the channel that you want to store, then try it again.

Handsfree device is not available.

- A cellular phone is not connected.
→ Connect a cellular phone (page 32).

Hubs not supported.

- USB hubs are not supported on this unit.

Local Seek +/Local Seek -

- The local seek mode is on during automatic tuning.

No device found.

- No device is in the list of registered Bluetooth device.
→ Perform pairing with a Bluetooth device (page 32).

No playable data.

- The disc does not contain playable data.

Offset

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

Output connection failure.

- (Displays until any button is pressed.)
The connection of speakers/amplifiers is incorrect.
→ See the supplied "Installation/Connections" guide to check the connection.

Overcurrent Caution on USB

- The 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.

Playback prohibited by region code.

- The DVD's region code differs from the unit's region code.

Please push reset.

- This unit or USB device cannot be operated due to a problem.
→ Press the reset button (page 13).

The connected USB device is not supported.

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

USB device is not connected.

- 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.

USB Reading...

- The unit is reading all file/album (folder) information in the connected USB device.
→ Wait until reading is complete and playback starts automatically. Depending on the structure, it may take time.

"L L L L" or "r r r r"

- 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 Pandora® internet radio:

Allow Connection? Check number on mobile device.

- Check the number on your mobile device. If the number is correct, touch "Yes" to allow the connection.

API Version Error

- The API versions differ.
→ Select a source other than "Pandora," then select the Pandora® source again.

Bookmark Error

- Bookmarking a track or artist failed.
→ Try bookmarking again.

Cannot Skip

- Skip (Next) is prohibited for the current content.
→ Wait until the commercial ends.
→ Pandora® limits the number of skips allowed.
Wait until the next song begins, or select another station on the list.

Cannot Thumbs Up/Down

The song does not support Thumbs Up/Down.

No Station

There is no station on your Pandora[®] account.

- Create a station on your mobile device.
- Select a source other than "Pandora," then select the Pandora[®] source again.

Please launch Pandora application on mobile device and touch "Connect".

The Pandora[®] application has not been launched.

- Launch Pandora[®] on your mobile device, then touch "Connect."

Server Error

The Pandora[®] server may have a problem.

- Select a source other than "Pandora," then select the Pandora[®] source again.

Thumbs Up/Down Error

Thumbs Up/Down feedback failed.

- Try Thumbs Up/Down again.

When not driving please see your device.

If your mobile device has a problem, make sure your car is parked in a safe place.

- Check other operations on your mobile device, then launch the Pandora[®] application again.
- Select a source other than "Pandora," then select the Pandora[®] source again.

For SiriusXM:

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 Connect tuner is not functioning properly.

- Disconnect the SiriusXM Connect 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.

CODE ERROR

Passkey inputs failed.

MEM FAILURE (Memory Failure)

This unit failed to store the channel in the preset dial.

- Make sure that the channel you intend to store is correct.

NOSIGNAL

The service is stopped due to a signal interruption.

SUB UPDT (Subscription Updated), PRESS SELECT

Your subscription has been updated.

- Press the select button.
-

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 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; Pushto	1535	Tonga
1103	Welsh	1283	Javanese	1436	Portuguese	1538	Turkish
1105	Danish	1287	Georgian	1463	Quechua	1539	Tsonga
1109	German	1297	Kazakh	1481	Rhaeto- Romance	1540	Tatar
1130	Bhutani	1298	Greenlandic	1482	Kirundi	1543	Twi
1142	Greek	1299	Cambodian	1483	Romanian	1557	Ukrainian
1144	English	1300	Kannada	1489	Russian	1564	Urdu
1145	Esperanto	1301	Korean	1491	Kinyarwanda	1572	Uzbek
1149	Spanish	1305	Kashmiri	1495	Sanskrit	1581	Vietnamese
1150	Estonian	1307	Kurdish	1498	Sindhi	1587	Volapük
1151	Basque	1311	Kirghiz	1501	Sangho	1613	Wolof
1157	Persian	1313	Latin	1502	Serbo- Croatian	1632	Xhosa
1165	Finnish	1326	Lingala	1503	Singhalese	1665	Yoruba
1166	Fiji	1327	Laothian	1505	Slovak	1684	Chinese
1171	Faroese	1332	Lithuanian	1506	Slovenian	1697	Zulu
1174	French	1334	Latvian; Lettish				
1181	Frisian	1345	Malagasy			1703	Not specified

Support site

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

Site d'assistance

Si vous avez des questions ou si vous souhaitez consulter les toutes dernières informations techniques sur ce produit, rendez-vous sur le site Web suivant :

Sitio Web de soporte técnico en línea

Para resolver cualquier duda u obtener la información más reciente sobre el soporte técnico de este producto, visite el siguiente sitio Web:

<http://esupport.sony.com>
<http://www.sony.com/caraudio>

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

1 *Read Troubleshooting in these Operating Instructions.*

2 *Reset the unit.*

Note: Stored data may be erased.

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

Call **1-800-222-7669**

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

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

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