

SONY®

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 numbers in the space provided below.
Refer to these numbers whenever you call upon your Sony dealer regarding this product.

Model No. _____ Serial No. _____

XAV-64BT

XAV-63



Video CD



MP3
WMA
AAC



SensMe™



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.

About this manual

- This manual contains instructions for XAV-64BT and XAV-63.
- XAV-64BT is the model representatively used for illustration purposes.
- Bluetooth functions and descriptions apply only to XAV-64BT.

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.

Warning if your car's ignition has no ACC position

Be sure to set the Auto Off function (page 44).

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 48.

The following applies only to XAV-64BT:

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).

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Pandora® internet radio via Bluetooth wireless technology (Android™ & BlackBerry® phones)

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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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The "SAT Radio Ready" logo indicates that this product will control a satellite radio tuner module (sold separately). Please see your nearest authorized Sony dealer for details on the satellite radio tuner module.

Please refer to the manuals included in the satellite radio tuner module. Sirius or XM Subscription required.

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Notes on Bluetooth function (XAV-64BT only)

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.

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
JPEG	JPEG image file
Xvid	Xvid video file
MPEG-4	MPEG-4 video file

Tip

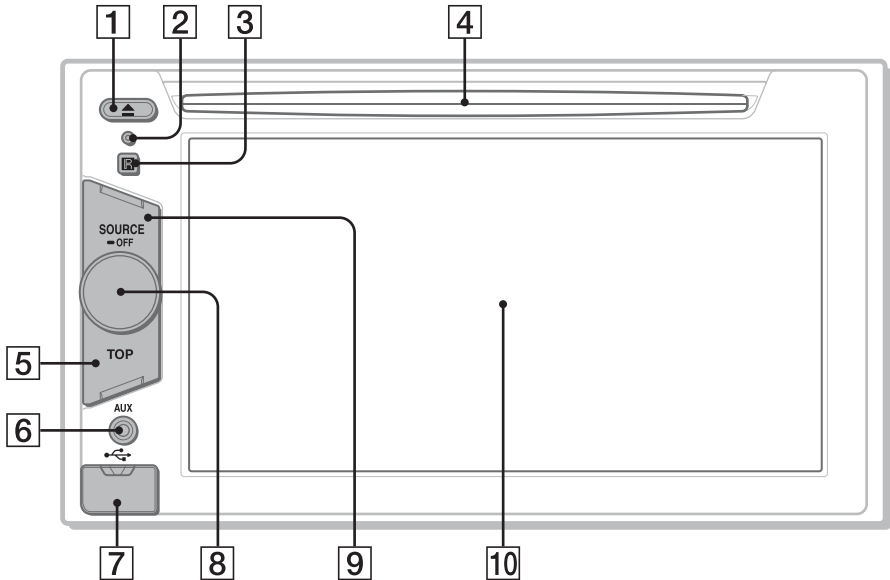
For details on compression formats, see page 55.

Note

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

Location and function of controls/terminals

Main unit



For details, see the pages listed below.

- 1 ▲ (Eject) button** page 16
- 2 Reset button** page 13
- 3 Receptor for the remote commander**
- 4 Disc slot** page 16
- 5 TOP button**
For XAV-64BT
Press to open the top menu.
For XAV-63
Press to open the source list.
- 6 Front AUX terminal** page 51
- 7 USB terminal**
Remove the cap to connect a USB device.

8 Volume control dial

9 SOURCE/OFF button*2

Press to turn on the power/change the source: “Tuner” (Radio), “Disc,” “iPod/USB,” “AUX” (Auxiliary equipment), “BT Audio” (Bluetooth Audio)*1, “Pandora” (Bluetooth Pandora®)*1.

Press and hold for 1 second to exit the source.

Press and hold for more than 2 seconds to turn off.

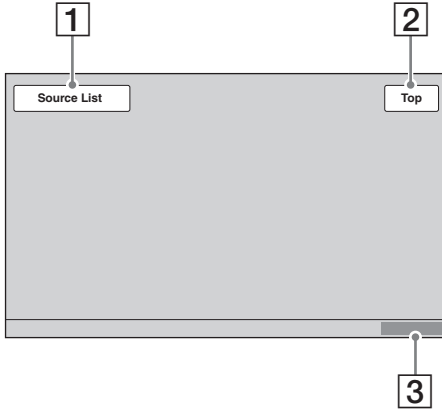
10 Display/touch panel

*1 Available on XAV-64BT only.

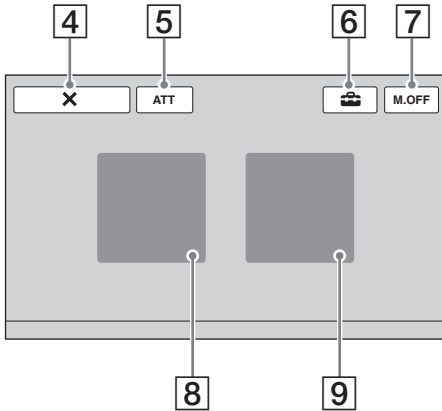
*2 If an HD Radio tuner or SAT tuner is connected and (SOURCE/OFF) is pressed, the connected device (“HD Radio,” “XM,” or “Sirius”) will appear on the display.
If multiple devices are connected, “External” will appear on the display.

Screen displays

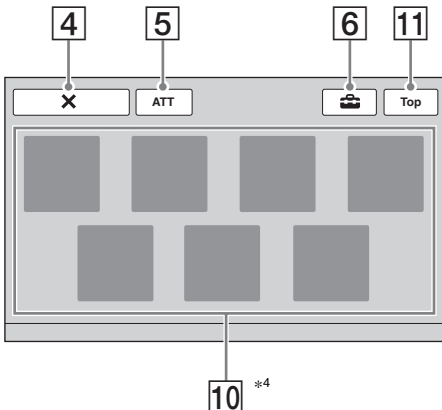
When no source is selected:



Top menu (XAV-64BT only):



Source list:



1 “Source List” key

Touch to open the source list.

2 “Top” key

XAV-64BT

Touch to open the top menu.

XAV-63

Touch to open the source list.

3 Clock page 13, 48

4 X (Close) key

Touch to close the menu.

5 “ATT” (Attenuate) key*1

Touch to attenuate the sound. To cancel, touch again.

6 (Setting) key

Touch to open the setting menu.

7 “M.OFF” (Monitor off) key

Touch to turn off the monitor and the button illumination. To turn back on, touch anywhere on the display.

8 “AV Source” key*2

Touch to open the source list.

9 “BT Phone” key*2

Touch to enter Bluetooth Phone mode.

10 Source select keys*3

Touch to change the source: “Tuner” (Radio), “Disc,” “AUX” (Auxiliary equipment), “iPod/USB,” “SensMe™,” “BT Audio” (Bluetooth Audio)*2, “Pandora” (Bluetooth Pandora®)*2.

11 “Top” key/“M.OFF” key

This key varies based on the model.

XAV-64BT: “Top” key

XAV-63: “M.OFF” key

See above for the function of each key.

*1 Appears only when a source is selected.

*2 Available on XAV-64BT only.

*3 If an HD Radio tuner or SAT tuner is connected and (SOURCE/OFF) is pressed, the connected device (“HD Radio,” “XM,” or “Sirius”) will appear on the display.

If multiple devices are connected, “External” will appear on the display.

*4 “BT Audio” and “Pandora” appear on XAV-64BT only.

Getting Started

Resetting the unit

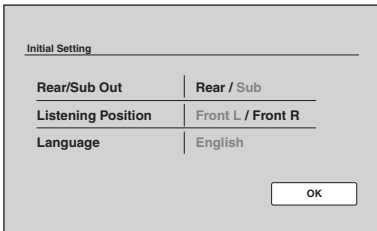
Before operating the unit for the first time, or after replacing the car battery or changing the connections, you must reset the unit. Press the reset button (page 11) with a pointed object, such as a ballpoint pen.

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 “Rear/Sub Out” to set the subwoofer connection status.

If a subwoofer is connected, select “Sub.”

If a power amplifier is connected, select “Rear.”

If neither a subwoofer or power amplifier is connected, you can select either “Sub” or “Rear.”

2 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.

3 Touch “Language” to set the display language.

Touch repeatedly until the desired language (English/Spanish/Russian) appears.

4 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 47.
- For details on setting the listening position, see “Optimizing sound for the listening position — Intelligent Time Alignment” on page 40.
- For details on setting the display language, see page 44.

Setting the clock

The clock uses a 12-hour indication.

1 Touch “Source List,” then .

The general setting menu appears. If not, touch “General.”

2 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.”

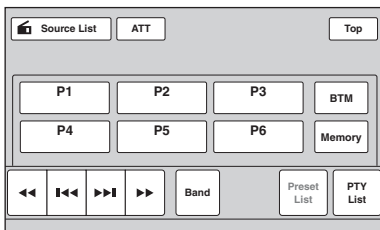
The setting is complete.

To delete an entered number, touch “Clear.”

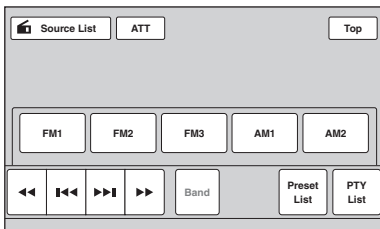
To return to the previous display, touch “Back.”

Listening to the radio

- 1 Touch **“Source List,”** then **“Tuner.”**
(For XAV-64BT only: From the top menu, touch **“AV Source,”** then **“Tuner.”**)
The radio reception display appears, and the preset list is displayed automatically.



- 2 Touch **“Band.”**
The band list appears.



- 3 Touch the desired band (**“FM1,” “FM2,” “FM3,” “AM1,”** or **“AM2”**).
Touch **“Band”** again to close the band list.
- 4 Perform tuning.

To tune automatically

Touch **◀◀/▶▶**.

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

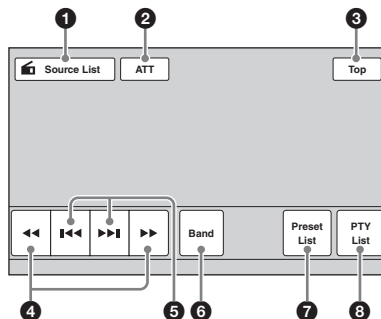
To tune manually

Touch **◀◀/▶▶** repeatedly until the desired frequency is received.

To skip frequencies continuously, touch and hold **◀◀/▶▶**.

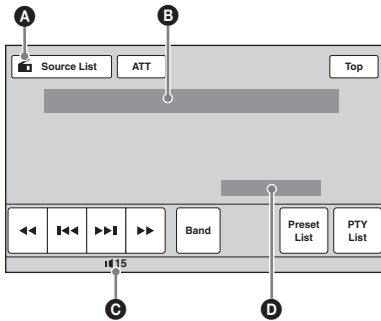
Reception controls

Touch the display if the reception controls are not displayed.




- 1 **“Source List”**
Touch to open the source list. (page 12)
- 2 **“ATT”**
Touch to attenuate the sound. To cancel, touch again.
- 3 **“Top”**
XAV-64BT
Touch to open the top menu. (page 12)
XAV-63
Touch to open the source list. (page 12)
- 4 **◀◀/▶▶**
Touch to tune manually.
Touch and hold to continuously skip frequencies.
- 5 **◀◀/▶▶**
Touch to tune automatically.
- 6 **“Band”**
Touch to open the band list and change the band.
- 7 **“Preset List”**
Touch to list up stored stations, or store stations. (page 15)
- 8 **“PTY List”**
Touch to open the PTY list. (page 16)

Reception indications



- A** Current source icon*¹
- B** Band name, preset number*², frequency/status
- C** Volume level*³
- D** EQ7 setting status

*¹ Appears only when the controls are displayed.
*² Appears only when a preset station is received.
*³ When ATT is activated,  appears.

Storing and receiving stations

Caution

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

Storing automatically — BTM

- 1 Touch “Source List,” then “Tuner.”**
To change the band, touch “Band,” then select the desired band (“FM1,” “FM2,” “FM3,” “AM1,” or “AM2”).
- 2 Touch “Preset List,” then “BTM.”**
The unit stores the first six available stations in the preset list (“P1” to “P6”).
A beep sounds when the setting is stored.

Storing manually

- 1 While receiving the station that you want to store, touch “Preset List.”**
- 2 Touch “Memory,” then touch a number in the list (“P1” to “P6”).**
The number and the confirmation display appear.
- 3 Touch “Yes.”**
The station is stored.

Note

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

Receiving stored stations

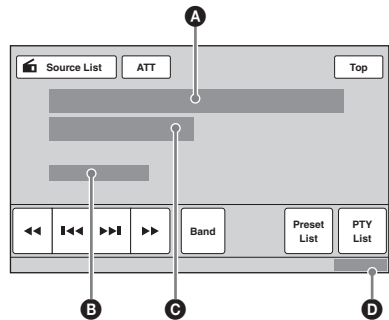
- 1 Select the band, then touch “Preset List.”**
- 2 Touch the desired number (“P1” to “P6”).**

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*
- C** Program service name
- D** Clock

* 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 List.”

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

To scroll the list, touch ▲/▼.

2 Touch the desired program type.

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

To close the PTY list, touch “PTY List.”

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.

Setting CT

1 Set “CT” to “ON” in setting (page 45).

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.

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 (not supplied).

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.

If the disc contains JPEG files

The slide show starts automatically.

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.

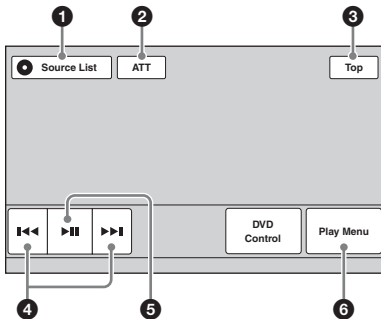
To eject the disc

1 Press ▲ on the main unit.

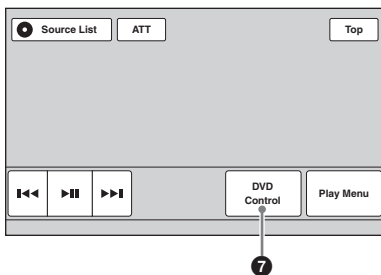
Playback controls

Touch the display if the playback controls are not displayed.

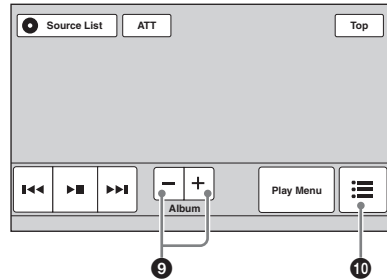
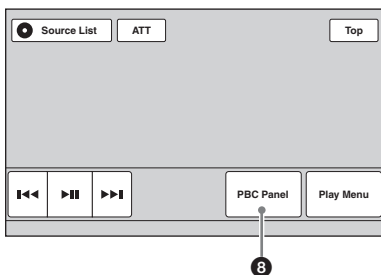
Common to all discs/formats



DVD



VCD



- 1 “Source List”**
Touch to open the source list. (page 12)
- 2 “ATT”**
Touch to attenuate the sound. To cancel, touch again.
- 3 “Top”**
XAV-64BT
Touch to open the top menu. (page 12)
XAV-63
Touch to open the source list. (page 12)
- 4 \lll / \ggg**
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 ($\times 2 \rightarrow \times 12 \rightarrow \times 120 \rightarrow \times 2 \dots$)*1. To cancel, touch **⏸**.

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

During pause, touch and hold down **⏮** to play the video in slow motion. To cancel, release the key.
- 5 **⏸****
Touch to pause/resume play after pause.
- 6 “Play Menu”**
Touch to open the play menu, which contains the following items.

 - “Repeat”/“Shuffle” (page 20)
 - “Dolby D Level” (DVD VIDEO playback only) (page 20)
 - “Image Turn” (JPEG playback only): Touch to rotate an image left/right.
 - “Audio” (page 20)

7 “DVD Control”

Touch to open the DVD control menu, which contains the following items.

- **“Audio”**: Touch repeatedly to select the audio language/format. (page 19)*2
- **“Subtitle”**: Touch repeatedly to turn off/select the subtitle language.*2*3
- **“Angle”**: Touch repeatedly to change the viewing angle.*2
- **“Top Menu”**: Touch to open the top menu on the DVD.*2
- **“Menu”**: Touch to open the menu on the disc.*2

8 “PBC Panel”

Touch to display the control panel for the PBC menu. (page 19)

9 “Album” +/-

Touch to skip an MP3/WMA/AAC/JPEG/Xvid/MPEG-4 album (folder).

10 ≡ (List)

Touch to list up tracks/images/video files. (page 29)

*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 64) for the desired language.

Note

If the disc contains multiple file types, only the selected file type (audio/video/image) can be played. For details on how to select the file type, see “Selecting a file type” on page 29.

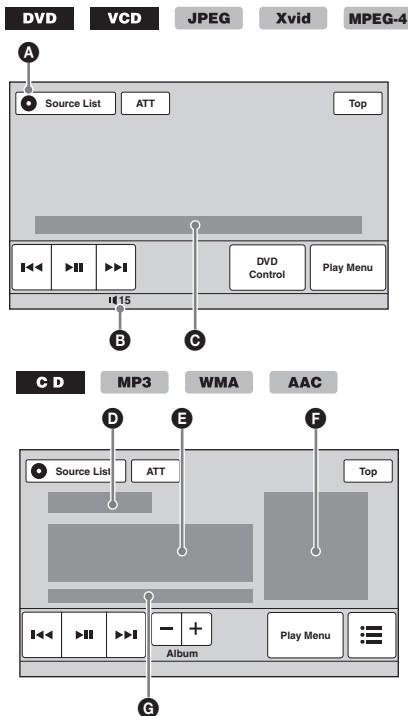
Notes on JPEG playback

- 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, EQ7 setting status, play mode status (repeat/shuffle)
- D** Playback status, elapsed playback time*2
- E** Track name, artist name, album name
- F** Album artwork display*6
- G** Format, track number, album number*7, EQ7 setting status, play mode status (repeat/shuffle)

*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 19), no indication appears.

*5 DVD only.

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

*7 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 Touch “PBC Panel.”**
The menu control panel appears.
- 3 Touch the number keys to select the desired item, then touch “ENTER.”**
- 4 Follow the instructions in the menu for interactive operations.**
To return to the previous display, press ⏪. To hide the controls, touch “Close.”

Playing without PBC functions

- 1 While no source is selected, touch “Source List,” then .**
- 2 Touch “Visual.”**
The visual setting menu appears.
- 3 Touch ▲/▼ to scroll, 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

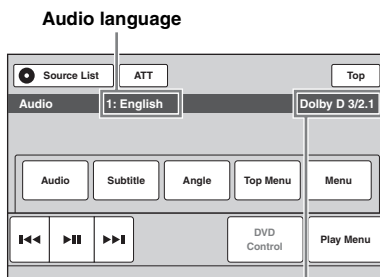
Note

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 “DVD Control.”**
- 2 Touch “Audio” repeatedly until the desired audio language/format appears.**



Audio format/channel numbers*

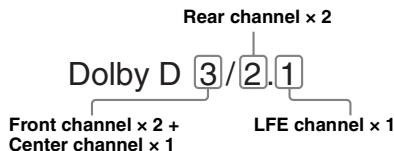
The audio language switches among the available languages.

When the 4-digit input prompt appears, input the language code (page 64) 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)

1 During playback, touch “Play Menu,” then “Audio” 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.

Tip

Operation via the remote commander (not supplied) by pressing (AUDIO) repeatedly is also available.

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 “Play Menu.”
- 2 Touch the “Adjust” box to set to “ON.”
- 3 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

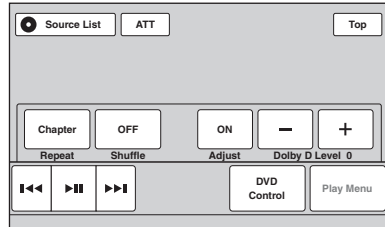
AAC

JPEG

Xvid

MPEG-4

- 1 During playback, touch “Play Menu,” then the “Repeat” or “Shuffle” box 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	<p>“OFF”: Returns to normal play mode.</p> <p>“Chapter”: Repeats the current chapter.</p> <p>“Title”: Repeats the current title.</p>
VCD ^{*1} C D	<p>“OFF”: Returns to normal play mode.</p> <p>“Track”: Repeats the current track.</p>
MP3 WMA AAC	<p>“OFF”: Returns to normal play mode.</p> <p>“Track”: Repeats the current track.</p> <p>“Album”: Repeats the current album (folder).</p>
JPEG	<p>“OFF”: Returns to normal play mode.</p> <p>“Image”: Repeats the current image.</p> <p>“Album”: Repeats the current album.</p>
Xvid MPEG-4	<p>“OFF”: Returns to normal play mode.</p> <p>“Movie”: Repeats the current video file.</p> <p>“Album”: Repeats the current album (folder).</p>

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

Disc/format	Options
DVD *2	<p>“OFF”: Returns to normal play mode.</p> <p>“Title”: Plays chapters in the current title in random order.</p>
VCD *1 C D	<p>“OFF”: Returns to normal play mode.</p> <p>“Disc”: Plays tracks in the current disc in random order.</p>
MP3 WMA AAC JPEG Xvid MPEG-4	<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 (not supplied) 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

JPEG: Image


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 Touch “Source List,” then touch .**
- 2 Touch “Visual.”**
The visual setting menu appears.
- 3 Touch ▲/▼ to scroll, then touch “DVD Direct Search” to set to “Chapter” or “Title.”**
The setting is complete.

To return to the previous display, touch “Back.”

USB Device Operations

- MSC (Mass Storage Class) and MTP (Media Transfer Protocol) type USB devices compliant with the USB standard can be used.
- Compatible codecs are MP3 (.mp3), WMA (.wma), AAC (.m4a), JPEG (.jpg), Xvid (.avi), and MPEG-4 (.mp4).
- Backup of data in a USB device is recommended.

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

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.

Playing from a USB device

1 Remove the cap from the USB connector, and connect the USB device to the USB connector.

Playback starts automatically.

If a USB device is already connected, touch “Source List,” then “iPod/USB” to start playback.

For details on the location of the USB connector, see “Location and function of controls/terminals” (page 11).

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 17.

For details on playback indications, see “Playback indications” on page 18.

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

- If a USB device contains multiple file types, only the selected file type (audio/video/image) can be played. For details on how to select the file type, see “Selecting a file type” on page 29.
- 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): 2,000
- 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 “Play Menu,” then the “Repeat” or “Shuffle” box repeatedly until the desired option appears.

Repeat or shuffle play starts.

The repeat options are as follows:

“**OFF**”: Returns to normal play mode.

“**Track**”/“**Image**”/“**Movie**”^{*1}: Repeats the current track/image/video file.

“**Album**”: Repeats the current album (folder).

“**Drive**”^{*2}: Repeats the current drive.

The shuffle options are as follows:

“**OFF**”: Returns to normal play mode.

“**Album**”: Plays tracks/images/video files in the current album (folder) in random order.

^{*1} Options depend on the file type.

^{*2} When two or more drives exist on the USB device.

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

Enjoying music according to your mood — SensMe™

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

Before using the SensMe™ function

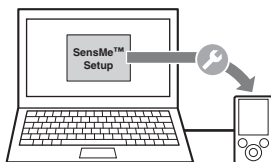
The following is the basic procedure required to enjoy the SensMe™ function on the unit.

① Installing "SensMe™ Setup" and "Content Transfer" to your computer

First download the "SensMe™ Setup" and "Content Transfer" software from the support site on the back cover.

② Registering a USB device using "SensMe™ Setup"

Connect a USB device to your computer, and perform registration using "SensMe™ Setup" to enable the SensMe™ function on this unit.



Tip

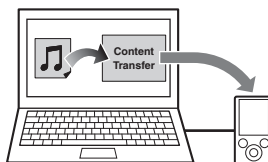
Registration can be performed either along with the installation procedure or after installation.

③ Transferring tracks to the USB device using "Content Transfer"

In order to group tracks by channel or mood, track sound patterns need to be analyzed by 12 TONE ANALYSIS, which is loaded with "Content Transfer."

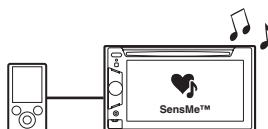
With the USB device connected to your computer, drag and drop tracks from Windows Explorer or iTunes, etc., to "Content Transfer."

Both analysis and transfer of tracks will be performed by "Content Transfer."



④ Connecting the USB device and enjoying the SensMe™ function on the unit

Connect the set up USB device. You can then enjoy "SensMe™ channels" or "SensMe™ mood" on this unit.



Installing "SensMe™ Setup" and "Content Transfer" on your computer

The software ("SensMe™ Setup" and "Content Transfer") is required to enable the SensMe™ function on this unit.

- 1 Download the "SensMe™ Setup" and "Content Transfer" software from the support site.**
- 2 Install the software in your computer.** For more details on the installation, visit the support site on the back cover.

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 “Content Transfer”

To enable the SensMe™ function on this unit, tracks need to be analyzed and transferred to the registered USB device using “Content Transfer.”

- 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.

“Content Transfer” 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 “Content Transfer.”

The analysis and transfer of tracks starts.

For details on operations, refer to the Help of “Content Transfer.”

Note

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

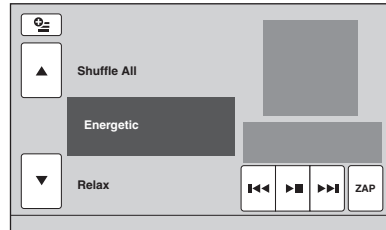
Tip

Not only audio files but also image or video files can be transferred using “Content Transfer.” For details, refer to the Help of “Content Transfer.”

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 Touch “Source List,” then “SensMe™.”
- 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, Shuffle All

“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 tracks recommended for each time of day.

Set the clock (page 13) for the channel to be displayed accurately.

“Shuffle All”: Plays all analyzed tracks in random order.

■ Basic channels

Plays tracks according to the music type.

“Energetic”: High-spirit tracks.

“Relax”: Calm tracks.

“Mellow”: Mellow, melancholy tracks.

“Upbeat”: Happy tracks to improve your mood.

“Emotional”: Ballad tracks.

“Lounge”: Lounge tracks.

“Dance”: Rhythm and rap, rhythm and blues tracks.

“Extreme”: Intense rock tracks.

■ In-car channels

Plays tracks that are suitable while driving.

“Freeway”: Speedy, high-spirit tracks.

“Chillout Drive”: Intoned, healing ballad tracks.

“Weekend Trip”: Delightful, bright and happy tracks.

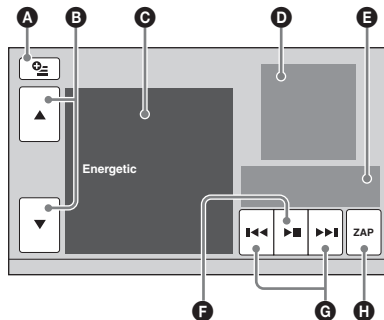
“Midnight Cruise”: Jazz or piano-featured tracks with a mature mood.

“Party Ride”: Up-tempo and lively tracks.

“Morning Commute”: Bright and breezy tracks.

“Goin’ Home”: Warm and relaxing tracks.

“SensMe™ channels” playback controls and indications



- A** To display the control keys: “Source List,” “ATT,” “Top.” (page 17)
- B** To scroll the list and select another channel.
- C** Indicates the current channel.
- D** Indicates the album artwork display*1.
- E** Indicates the playback status, elapsed playback time, zapping status, progress bar, track name and artist name.
- F** To pause/resume play after pause.
- G** To skip a track.
- H** To enter ZAPPIN mode. (page 27)
During ZAPPIN playback of “SensMe™ channels,” the most melodic or rhythmic sections*2 of the tracks are played.

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

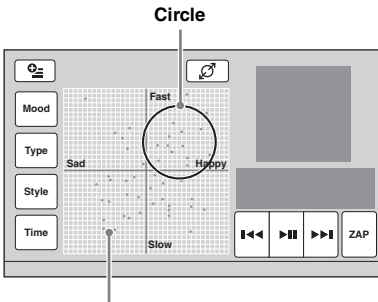
*2 May not be detected correctly.

Playing tracks in mood maps — SensMe™ mood

“SensMe™ mood” distributes tracks as dots on a two-axis mood map, based on the characteristics of the individual tracks.

By touching the point on the map according to your mood, a circle appears around the touched point, and the tracks inside the circle are played.

- 1 **Connect a USB device set up for the SensMe™ function.**
- 2 **Touch “Source List,” then “SensMe™.”**
- 3 **Touch “mood.”**
The two-axis mood map appears.



Dots representing tracks

- 4 **Touch the desired point on the map.**

A circle appears around the touched point, and playback of tracks inside the circle starts. Playback of the first track starts from its most melodic or rhythmical section*.

* May not be detected correctly.

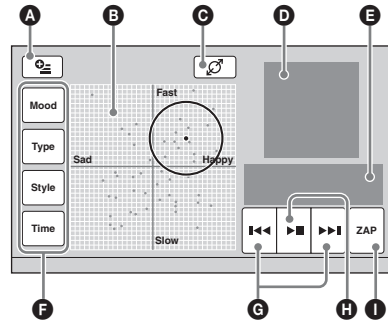
Notes

- Only the 200 most recently transferred tracks using “Content Transfer” are mapped.
- Depending on the track, it may not be detected correctly or may be mapped in a position not suited to the track’s mood.
- If the connected USB device contains many tracks, it may take time for “SensMe™ mood” to start, due to data reading.

Tips

- In the mood map, the currently played track is indicated as a green dot.
- Tracks are played from the circle’s center outward.

“SensMe™ mood” playback controls and indications



- To display the control keys: “Source List,” “ATT,” “Top.” (page 17)
- To move the circle and regroup tracks.
- To change the size of the circle: small, medium, or large.
- Indicates the album artwork display*1.
- Indicates the playback status, elapsed playback time, zapping status, progress bar, track name and artist name.
- To change parameters on the horizontal axis.
- To skip a track.
- To pause/resume play after pause.
- To enter ZAPPIN mode. (page 27)
During ZAPPIN playback of “SensMe™ mood,” the most melodic or rhythmical sections*2 of the tracks are played.

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

*2 May not be detected correctly.

Changing parameters on the horizontal axis

In the mood map, you can change parameters on the horizontal axis. Tracks are remapped according to the characteristics of the parameters.

Do this	To change parameters to
Touch “Mood”	“Sad” – “Happy”
Touch “Type”	“Acoustic” – “Electronic”
Touch “Style”	“Soft” – “Hard”
Touch “Time”	“Morning” – “Midnight”

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

MP3

WMA

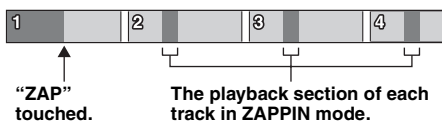
AAC

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

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

1 During audio playback, touch “ZAP.”

Playback starts from a passage of the next track. You can select the playback time (page 44), but cannot select the track passage to play.



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 “SensMe™ channels” or “SensMe™ mood” playback

If you enter ZAPPIN mode during “SensMe™ channels” or “SensMe™ mood” playback, the most melodic or rhythmical sections* of tracks are played. For details on the SensMe™ function, see “Enjoying music according to your mood — SensMe™” on page 23.

* May not be detected correctly.

Tip

The ZAPPIN function is also available during iPod playback.

iPod Operations

For details on the compatibility of your iPod, see “About iPod” on page 56 or visit the support site on the back cover.

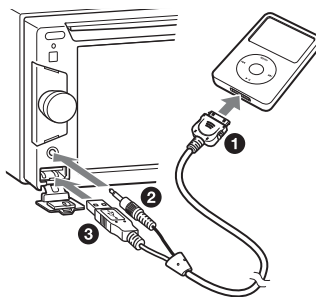
In these Operating Instructions, “iPod” is used as a general reference for the iPod functions on the iPod and iPhone, unless otherwise specified by the text or illustrations.

Playing an iPod

1 Reduce the volume on this unit.

2 Remove the cap from the USB connector, and connect the iPod to the USB connector.

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



While the iPod is connected, a device connected to the front AUX terminal becomes unavailable, and “Front AUX” cannot be selected when changing the source.

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 “Source List,” then “iPod/USB.”



*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 17.

For details on playback indications, see “Playback indications” on page 18.

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.

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 “MUSIC” or “VIDEO.”

3 Touch the desired play mode.

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

To scroll the list, touch **▲/▼**.

To skip items of the selected play mode

During playback, touch **-/+** of the selected play mode.

Repeat and shuffle play

1 During playback, touch “Play Menu,” then the “Repeat” or “Shuffle” box 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”/“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”/

“Playlist”/“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”/“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 “Play Menu,” then the “Passenger App Control” box to set to “ON.”

Deactivating Passenger App Control

Touch the “Passenger App Control” box to set to “OFF.”

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



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/JPEG/Xvid/MPEG-4 format or USB device 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 line by line, touch .

To scroll the list continuously, touch and hold .

To jump pages, touch the page position bar.

* When playing an audio CD (CD-DA), this control does not appear.

- 2 Touch the desired item.

Playback starts.

Selecting a file type



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












- 1 During playback, touch ☰.

2 Touch , then “Audio,” “Image,” or “Video” to select the file type.

3 Touch the desired file.
Playback of the selected file starts.

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 ) DVD/VCD playback: skip forward a chapter/track. (The same as ) JPEG/Xvid/MPEG-4/audio playback: skip forward a file/track. (The same as ) Pandora® playback: skip a song. (The same as )
 Draw a horizontal line (right to left)	Radio reception: seek backward stations. (The same as ) DVD/VCD playback: skip backward a chapter/track. (The same as ) 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). DVD/VCD/Xvid/MPEG-4 playback: fast-forward the video. JPEG/audio playback: skip forward an album (folder). (The same as “Album” +.) Pandora® playback: Thumbs up. (The same as )




Draw a vertical line (downwards)

Radio reception:
receive stored stations (go backward).

DVD/VCD/Xvid/MPEG-4 playback:
reverse the video.

JPEG/audio playback:
skip backward an album (folder).
(The same as “Album” -.)

Pandora® playback:
Thumbs down.
(The same as )

Handsfree Calling and Audio Streaming — Bluetooth function (XAV-64BT only)

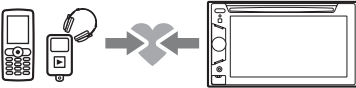
Before using the Bluetooth function

Bluetooth functions and descriptions apply only to XAV-64BT.

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.

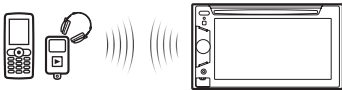


Note

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

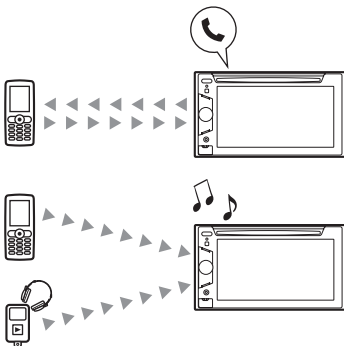
2 Connecting

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



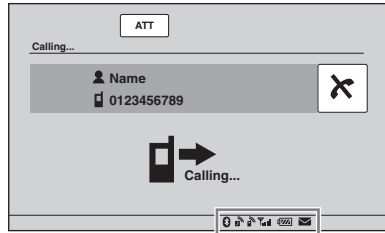
3 Handsfree calling/audio streaming

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



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

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 (XAV-64BT only)

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 by initializing, you need to perform pairing again.

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

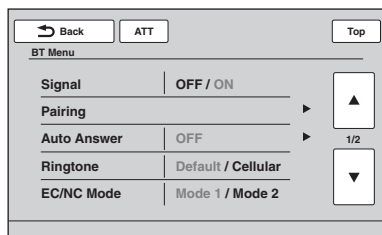
1 Select the Bluetooth source.

To select Bluetooth Phone, press (TOP), then touch “BT Phone” in the top menu. To select Bluetooth Audio, touch “Source List,” then “BT Audio.”

2 Touch “BT Menu.”

In the case of Bluetooth Audio, touch “Play Menu,” then “BT Menu.”

The Bluetooth setting menu appears.



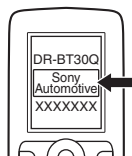
3 Touch “Pairing.”

Pairing starts.*

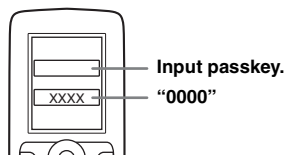
* If the Bluetooth signal of this unit is off, it activates automatically when pairing starts.

4 Operate the Bluetooth device to search for this unit.

A device list appears on the display of the device. This unit is displayed as “Sony Automotive.”



5 If passkey* input is required on the display of the device, input “0000.”



This unit and the Bluetooth device memorize each other’s information, and when pairing is made, this unit is ready for connection to the device.

6 Operate the Bluetooth device to connect to this unit.

“Bluetooth device connected.” appears and connection is complete. “📶” or “📶” appears when the connection is made.

Notes

- While connecting to a Bluetooth device, this unit cannot be detected from another device. To enable detection, enter the pairing mode and search for this unit from another device.
- It may take time to pair or connect.
- Depending on the device, the confirmation display of the connection appears 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 37) and the other Bluetooth device.

Connecting a cellular phone

- 1 **Make sure the Bluetooth signal of this unit and the cellular phone is turned on.**
- 2 **Operate the cellular phone to connect to this unit.**
“” flashes while the connection is being made, then stays lit while connected.

Connecting to the cellular phone last-connected from this unit

- 1 **Make sure the Bluetooth signal of this unit and the cellular phone is turned on.**
- 2 **Press , then touch “BT Phone” in the top menu.**
“” flashes while the connection is being made, then stays lit while connected.


Note

Some cellular phones require permission to access their phonebook data during handsfree connection to this unit. Obtain permission via the cellular phone.


Tip

With Bluetooth signal on: when the ignition is switched to on, this unit reconnects automatically to the last-connected cellular phone. But automatic connection also depends on the cellular phone's specification. If this unit does not reconnect automatically, connect manually.

Connecting an audio device

- 1 **Make sure the Bluetooth signal of this unit and the audio device is turned on.**
- 2 **Operate the audio device to connect to this unit.**
“” flashes while the connection is being made, then stays lit while connected.

Connecting to the audio device last-connected from this unit

- 1 **Make sure the Bluetooth signal of this unit and the audio device is turned on.**
- 2 **Touch “Source List,” then “BT Audio.”**
- 3 **Touch “Connect.”**
“” flashes while the connection is being made, then stays lit while connected.


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).

To disconnect

- 1 Press  then touch “BT Phone,” or touch “Source list” then “BT Audio.”
- 2 Touch “BT Menu.”
- 3 Touch “Signal,” then “Yes” on the confirmation display to turn off the signal.

To delete all registrations

- 1 Press  then touch “BT Phone,” or touch “Source list” then “BT Audio.”
- 2 Touch “BT Menu.”
- 3 Touch “Initialize,” then “Yes” on the confirmation display to start initializing.

Handsfree calling

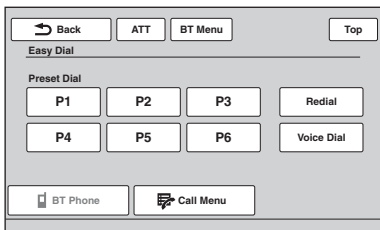
Once the unit is connected to the cellular phone, you can make/receive handsfree calls by operating this unit.

Making calls

By dialing a phone number

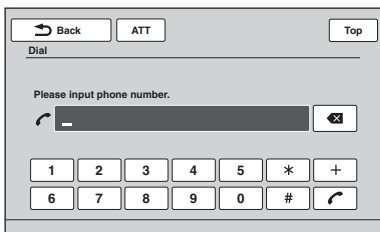
- 1 Press **(TOP)**, then touch “BT Phone” in the top menu.

The Bluetooth Phone display appears.



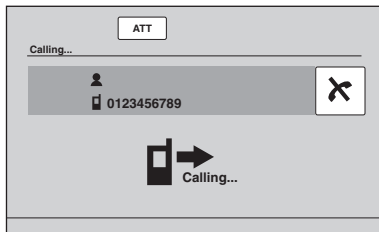
- 2 Touch “Call Menu,” then “Dial.”

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 of the connected cellular phone

- 1 Press **(TOP)**, then touch “BT Phone” in the top menu.

The Bluetooth Phone display appears.

- 2 Touch “Call Menu,” then “Phonebook Browsing.”

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 “Call.”

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

By the call history of the connected cellular phone

- 1 Press **(TOP)**, then touch “BT Phone” in the top menu.

The Bluetooth Phone display appears.

- 2 Touch “Call Menu,” then “Recent Call Browsing.”

The call history list appears.

To scroll the list, touch /.

- 3 Touch the desired item in the list.

The contact confirmation display appears.

- 4 Touch “Call.”

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 36.

1 Press **(TOP)**, then touch “BT Phone” in the top menu.

The Bluetooth Phone display appears.

2 Touch the number in the list (“P1” to “P6”).

The contact confirmation display appears.

3 Touch “Call.”

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 **(TOP)**, then touch “BT Phone” in the top menu.

The Bluetooth Phone display appears.

2 Touch “Voice Dial.”

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 **(TOP)**, then touch “BT Phone” in the top menu.

The Bluetooth Phone display appears.

2 Touch “Redial.”

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

Notes

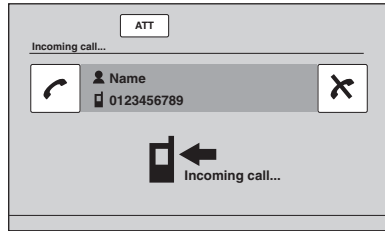
- Say the voice tag in the same way as you stored it on the cellular phone.
- If the voice dial function is activated on the connected cellular phone, it may not work via this unit.
- Do not use the voice dial function on the cellular phone while it is connected to this unit.
- Noises such as the engine 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


Turn the volume control dial 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. The following display indicates an incoming call, along with the ringtone.



To answer the call


Touch .

To adjust the ringtone volume

Turn the volume control dial 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

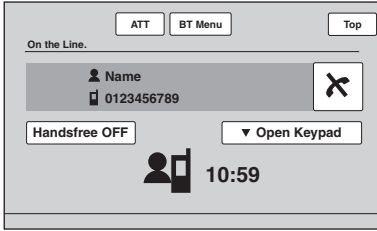
The ringtone and talker’s voice are output only from the front speakers.

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

Turn the volume control dial 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 Touch "BT Menu."
- 2 Touch ▲/▼ to display "MIC Gain."
- 3 Touch "Low/Middle/High" repeatedly to select the desired setting.

To return to the previous display, touch "Back."

To end a call

Touch X.

Call data management

Preset dial

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

To store from the phonebook

- 1 Press (TOP), then touch "BT Phone" in the top menu.
The Bluetooth Phone display appears.
- 2 Touch "Call Menu," then "Phonebook Browsing."
- 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 ("P1" to "P6").
The contact is stored to the selected preset number.

To store from the call history

- 1 Press (TOP), then touch "BT Phone" in the top menu.
The Bluetooth Phone display appears.
- 2 Touch "Call Menu," then "Recent Call Browsing."
- 3 Touch the desired item in the list.
The contact confirmation display appears.
- 4 Touch "Preset Memory," then the desired preset number ("P1" to "P6").
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.

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 33).**
- 2 **Reduce the volume on this unit.**
- 3 **Touch “Source List,” then “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 17), except for the following:

Do this	To
Touch “Play Menu” → “BT Menu”	open the Bluetooth setting menu (page 37).
Touch +/– in the “Level” box	reduce the volume level differences between this unit and the other Bluetooth device. The level is adjustable in single steps, between –8 and +18 .
Touch “Connect”	connect to the last-connected device from this unit.

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.

Bluetooth settings

The Bluetooth settings can be configured in “BT Menu.”

- 1 **Select the Bluetooth source.**
To select Bluetooth Phone, press **(TOP)**, then touch “BT Phone” in the top menu.
To select Bluetooth Audio, touch “Source List,” then “BT Audio.”
- 2 **Touch “BT Menu.”**
In the case of Bluetooth Audio, touch “Play Menu,” then “BT Menu.”
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:

“Signal”^{*1}
Activates the Bluetooth signal: “ON,” “OFF.”

“Pairing”^{*1}
Turns the pairing mode on/off, and memorizes the information between this unit and the Bluetooth device.

“Auto Answer”^{*1}
Answers an incoming call automatically.
– “Short”: to answer automatically after 3 seconds.
– “Long”: to answer automatically after 10 seconds.
– “OFF”: to not answer automatically.

“Ringtone”^{*1*2}
Uses the ringtone of this unit or the connected cellular phone: “Default,” “Cellular.”

“EC/NC Mode” (Echo Celler/Noise Celler 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.”

“MIC Gain” (page 36)
Adjust the microphone volume for the other party: “Low,” “Middle,” “High.”

“Initialize”^{*1}
Initializes all Bluetooth related settings. Touch “Yes” to confirm.

*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.”

Note

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

Pandora® internet radio via Bluetooth wireless technology (Android™ & BlackBerry® phones)

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.

Playing back Pandora®

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

- 1 Connect this unit and the mobile device via the Bluetooth function (page 33).**
- 2 Launch the Pandora® application on the mobile device.**
- 3 Touch “Source List,” then “Pandora.”**
- 4 Follow the on-screen message, touch “Connect”*.**
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 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

The volume level of Pandora® internet radio is adjusted in the same way as a Bluetooth audio device. For details, see page 37.

“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 **☰**, then “A-Z” or “Date.”

To scroll the list page by page, touch **▲/▼**.

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 “Bookmark,” then “Track” or “Artist.”**

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, touch “Source List,” then .

2 Touch “Sound.”

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 “Back.”

Customizing the equalizer curve — EQ7 Tune

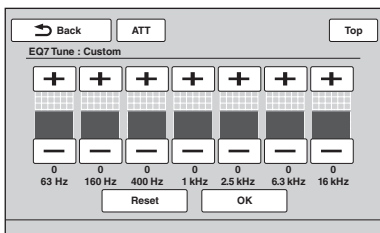
The EQ7 “Custom” curve allows you to make your own equalizer settings. You can adjust the level of 7 different bands: 63 Hz, 160 Hz, 400 Hz, 1 kHz, 2.5 kHz, 6.3 kHz, and 16 kHz.

1 During reception/playback, touch “Source List,” then .

2 Touch “Sound,” then “EQ7.”

3 Touch “Custom,” then “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 “Back.”


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.

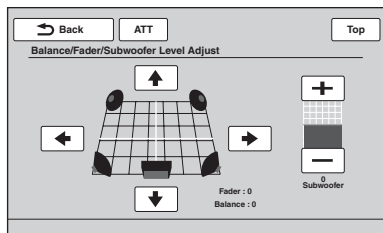
1 During reception/playback, touch “Source List,” then .





2 Touch “Sound.”

The sound setting menu appears.

3 Touch “Balance/Fader.”

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 “Rear/Sub Out” is set to “Sub” (page 47).

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

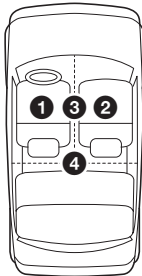
To return to the previous display, touch “Back.”

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” (❶): Front left
- “Front R” (❷): Front right
- “Front” (❸): Center front
- “All” (❹): In the center of your car
- “Custom”: Precisely calibrated position (page 40)
- “OFF”: No position set



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

- the subwoofer is connected and “Rear/Sub Out” is set to “Sub” (page 47).
- the listening position is set to “Front L,” “Front R,” “Front,” or “All.”

- 1 During reception/playback, touch “Source List,” then .**
- 2 Touch “Sound.”**
The sound setting menu appears.
- 3 Touch “Listening Position.”**
The setting display appears.
- 4 Touch “Select Preset.”**
The listening positions become available for selection.
- 5 Set the listening position.**
Touch “Front L,” “Front R,” “Front,” “All,” or “Custom.”
- 6 Set the subwoofer position.**
If “Rear/Sub Out” is set to “Sub” (page 47) and 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.”

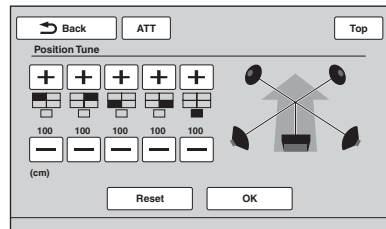
To return to the previous display, touch “Back.”

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, touch “Source List,” then .**
- 2 Touch “Sound,” then “Listening Position.”**
- 3 Touch “Custom,” then “Custom Tune.”**
The setting display appears.



Note

The subwoofer appears and the subwoofer custom setting keys are available only when “Rear/Sub Out” is set to “Sub” (page 47).

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

To return to the previous display, touch “Back.”


Note

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

Speaker configuration and volume setup

Creating a virtual center speaker — CSO

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 disc/USB playback, touch “Source List,” then .**
- 2 Touch “Sound.”**
The sound setting menu appears.
- 3 Touch “CSO.”**
The options appear.
- 4 Touch “CSO1,” “CSO2,” or “CSO3.”**
The setting is complete.


To return to the previous display, touch “Back.”

Note

“CSO” is effective only when “Multi Ch Output” is set to “Multi” (page 49), 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 47) 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, touch “Source List,” then .**
- 2 Touch “Sound.”**
The sound setting menu appears.
- 3 Touch $\blacktriangle/\blacktriangledown$ to scroll, then touch “RBE.”**
The options appear.
- 4 Touch “RBE1,” “RBE2,” or “RBE3.”**
The setting is complete.


To return to the previous display, touch “Back.”

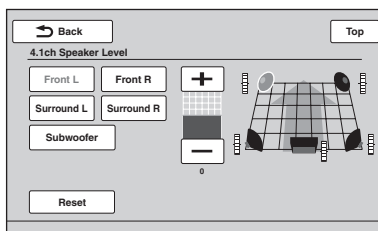
Adjusting the speaker volume

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 “Rear/Sub Out” is set to “Sub” (page 47).

- 1 While no source is selected, touch “Source List,” then .**
- 2 Touch “Sound.”**
The sound setting menu appears.
- 3 Touch $\blacktriangle/\blacktriangledown$ to scroll, 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 “Back.”

Monitor Adjustment

Touch panel calibration


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

- 1 Touch “Source List,” then .
- 2 Touch “General.”
The general setting menu appears.
- 3 Touch ▲/▼ to scroll, then touch “Touch Panel Adjust.”
The setting display appears.
- 4 Touch the targets in sequence.
The calibration is complete.

To cancel calibration, touch “Cancel.”

Setting the background screen

You can select your preferred screen theme.


- 1 Touch “Source List,” then .
- 2 Touch “Screen.”
The screen setting menu appears.
- 3 Touch “Screen Theme.”
The screen theme selection display appears.
- 4 Touch the desired screen theme.

To return to the previous display, touch “Back.”

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 42).

- 1 During video/image playback, touch “Source List,” then .
- 2 Touch “Screen.”
The screen setting menu appears.
- 3 Touch “Picture EQ.”
The options appear.

4 Touch the desired option.


To return to the previous display, touch “Back.”

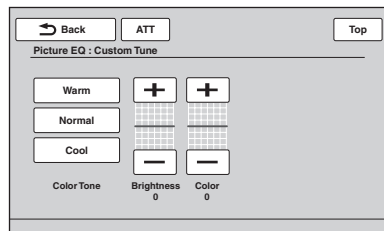
Note

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

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, touch “Source List,” then .
- 2 Touch “Screen,” 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 “Back.”

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, touch “Source List,” then .

2 Touch “Screen.”
The screen setting menu appears.

3 Touch “Aspect.”
The options appear.

4 Touch the desired option.

To return to the previous display, touch “Back.”

Notes

- This setting is available only when the parking brake is set.
- The screen aspect ratio of the rear view camera cannot be changed.

Settings


The setting menu includes the following categories.


- “**General**”: General settings (page 44)
- “**Sound**”: Sound settings (page 46)
- “**Screen**”: Screen settings (page 48)
- “**Visual**”: DVD and other playback settings (page 49)

Basic setting operation

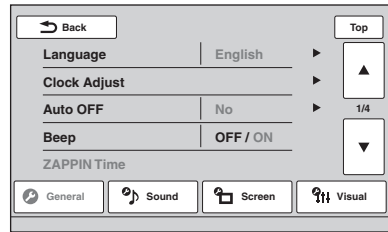
You can set items in the menu via the following procedure.

For example, when setting the demonstration:

1 While no source is selected, touch “Source List,” then .

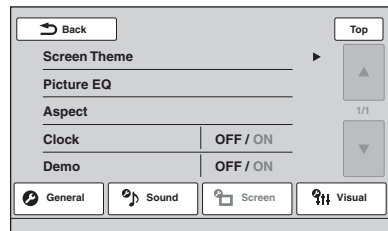
(For XAV-64BT only: From the top menu, touch .)

The setting menu appears.





2 Touch “Screen.”

The screen setting display appears.




3 Touch “Demo” to set to “ON” or “OFF.”
The setting is complete.

To scroll the options (only when required), touch / .

To return to the previous display, touch “Back.”

General settings

Touch  → “General” → the desired item → the desired option. For details on this procedure, see “Basic setting operation” on page 43.


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

Item	Option	Purpose	Unit status
Language	English (●), Español, Русский	To select the display language.	No source selected
Clock Adjust (page 13)	–	–	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.	
Beep	OFF	To deactivate the operation sound.	Any status
	ON (●)	To activate the operation sound.	
ZAPPIN Time (page 27)	6sec, 15sec (●), 30sec	To select the playback time for the ZAPPIN function.	During USB/iPod audio playback
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.	
Dimmer Level Sets the brightness level when the dimmer is activated.	–5 ~ +5 0 (●)	To select the level.	Any status
Touch Panel Adjust (page 42)	–	–	Any status
No Signal Changes the screen automatically when no external video signal is detected.	Through	To display the no signal screen.	No source selected
	Blank (●)	To display the audio playback screen with no signal notification.	
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.	

Item	Option	Purpose	Unit status
Front AUX Input (page 51) Sets whether or not an audio device's input signals are detected via the front AUX input.	OFF	To deactivate the AUX input.	No source selected
	Audio (●)	To activate the AUX input.	
Rear AUX Input* (page 51) Sets the type of device connected to the rear AUX terminals to switch the background screen accordingly.	OFF	To deactivate the AUX input.	No source selected
	Audio	To display this unit's background screen.	
	Video (●)	To display the picture from the connected device.	
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.	
Camera Input Activates the video input from the connected rear view camera.	OFF	To deactivate the input.	Any status
	ON (●)	To display the picture from the rear view camera when the back lamp lights up (or the shift lever is set to the R (reverse) position).	
Rear View Camera Setting (page 53)	–	–	Any status
CT (Clock Time) (page 15, 16)	OFF (●)	To deactivate the CT function.	Any status
	ON	To activate the CT function.	

* When a device is connected to AUX/BUS IN, "Sony BUS Input" appears instead of "Rear AUX Input," and only options "Video" and "Audio" are selectable.

Sound settings


Touch  → “Sound” → the desired item → the desired option. For details on this procedure, see “Basic setting operation” on page 43.

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

Item	Option	Purpose	Unit status
EQ7 (page 39)	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 (page 39)	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 40) Sets the listening position and subwoofer position.	OFF (●)	To not set the listening position.	During reception/ playback
	Front L	To set to front left.	
	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 40).	
CSO (Center Speaker Organizer) (page 41) Sets the virtual center speaker mode.	OFF (●), CSO1, CSO2, CSO3	To select the mode.	During disc/USB playback

Item	Option	Purpose	Unit status
Rear/Sub Out Switches the audio output between the rear speakers and subwoofer.	Rear	To output audio signals to the rear speakers (amplifier).	No source selected
	Sub (●)	To output audio signals to the subwoofer.	
RBE (Rear Bass Enhancer) (page 41) Uses rear speakers like subwoofers.	OFF (●), RBE1, RBE2, RBE3	To select the mode.	During reception/ playback
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.”)	
4.1ch Speaker Level (page 41)	–	–	No source selected

Screen settings


Touch  → “Screen” → the desired item → the desired option. For details on this procedure, see “Basic setting operation” on page 43.

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

Item	Option	Purpose	Unit status
Screen Theme (page 42)	–	–	Any status
Picture EQ* (page 42)	Dynamic (●), Standard, Theater, Sepia	To select the picture quality.	During video/ image playback
	Custom 1, Custom 2	To customize the picture quality.	
Aspect* (page 43)	Normal, Wide, Full (●), Zoom	To select the screen aspect ratio.	During video/ image playback
Clock Displays/hides the clock in the bottom right corner of the display.	OFF	To hide the clock.	Any status
	ON (●)	To display the clock.	
Demo	OFF	To deactivate the demonstration.	No source selected
	ON (●)	To activate the demonstration.	




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

DVD and other playback settings

Touch  → “Visual” → the desired item → the desired option. For details on this procedure, see “Basic setting operation” on page 43.

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

Item	Option	Purpose	Unit status
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).	Standard (●)	To select the standard setting.	No source selected
	Wide	To obtain the feeling of being at a live performance.	
<i>* Excluding DVD-R/DVD-R DL/ DVD-RW in VR mode.</i>			
Multi Ch 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.	
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.	
DVD Direct Search (page 21) Sets the search item for DVD direct search play.	Chapter (●)	To search for a chapter.	Any status
	Title	To search for a title.	

Item	Option	Purpose	Unit status
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.	
Multi Disc Resume	OFF	To not store the resume settings in memory. Resume playback is available only for the current disc in the unit.	No source selected
	ON (●)	To store the resume settings in memory for up to 5 video* discs. * DVD VIDEO/VCD/Xvid/MPEG-4 only.	
USB Resume	OFF	To not store the resume settings in memory.	No source selected
	ON (●)	To store resume settings in memory for Xvid/MPEG-4 files in the USB device.	
JPEG Slide Show	5sec (●), 20sec, 60sec, Fixed	To select the slide show interval.	No source selected
Video CD PBC (page 19)	OFF	To play a VCD without PBC functions.	No source selected
	ON (●)	To play a VCD with PBC functions.	

Using Optional Equipment

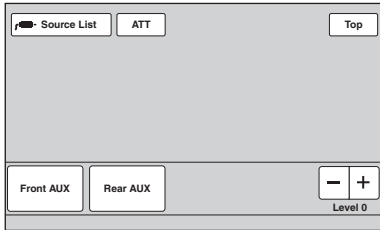
Auxiliary audio/video equipment

You can connect up to 2 optional devices, such as a portable media player, game console, etc., to the front AUX terminal and rear AUX terminals on the unit. (The front AUX terminal is for audio only.)

Selecting an auxiliary device

1 Touch “Source List,” then “AUX.”

The AUX playback display appears.



2 Touch “Front AUX” or “Rear AUX” 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 “Front AUX” and “Rear AUX.”

1 Reduce the volume on the unit.

2 Touch “Source List,” then “AUX.”

The AUX playback display appears.

3 Start playback of the portable device at a moderate volume.

4 Set your usual listening volume on the unit.

5 If there are differences in volume level between playback sources, touch -/+ in the “Level” box.

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 While no source is selected, touch “Source List,” then .

The general setting menu appears. If not, touch “General.”

2 Touch / to scroll, then touch “Front AUX Input” or “Rear AUX Input.”

3 Touch “Audio” or “Video.”

“Audio” is available for “Front AUX Input” or “Rear AUX Input,” while “Video” is available only for “Rear AUX Input.”

The setting is complete.

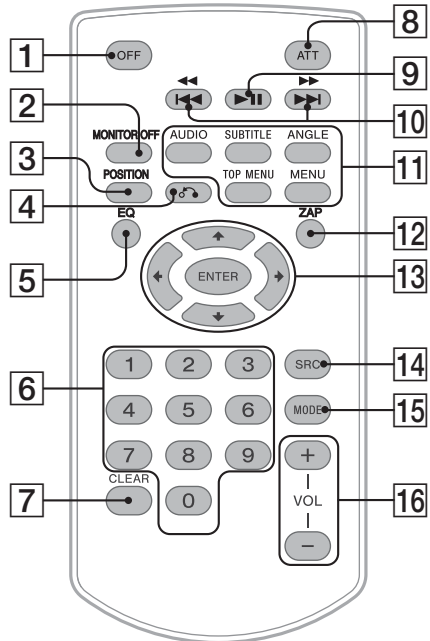
To deactivate the AUX input, select “OFF.”

To return to the previous display, touch “Back.”

RM-X170 Remote Commander

By using the optional remote commander, you can operate the audio controls. For menu operations, use the touch panel.

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



1 OFF button

Press to exit the source/stop the source.
Press and hold to turn off.

2 MONITOR OFF button

Press to turn off the monitor and the button illumination. To turn back on, press again.

3 POSITION button

Press to switch the listening position (“Front L”/“Front R”/“Front”/“All”/“Custom”/“OFF”).

4 ↶ (Return) button

Press to return to the previous display/return to the menu on a VCD*1.

5 EQ (Equalizer) button

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

6 Number buttons page 21

Radio:

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

Disc/USB:

Press to locate a title/chapter/track.

7 CLEAR button

Press to delete an entered number.

8 ATT (Attenuate) button

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

9 ►|| (Play/Pause) button

10 ◀◀◀/▶▶▶ buttons

Radio:

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

Disc*/USB:

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*4:

Press to skip a track.

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

11 DVD playback setting buttons

(AUDIO):

Press to change the audio language/format. (For a VCD/CD/MP3/WMA/AAC/MPEG-4, 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.

12 ZAP button

Press to enter ZAPPIN™ mode.

13 ←/↑/↓/→ (Cursor)/ENTER buttons page 16

Press to control the menu on a DVD.

14 SRC (Source) button*5

Press to turn on/change the source: “Tuner” (Radio), “Disc,” “iPod/USB,” “AUX” (Auxiliary equipment), “BT Audio” (Bluetooth Audio)*6, “Pandora” (Bluetooth Pandora®)*6.

15 MODE button*5

Press to select the radio band (FM/AM)/select an auxiliary device (Front AUX/Rear AUX)*7/select an external device*8.

16 VOL (Volume) +/- buttons

*1 When playing with PBC functions.

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

*3 Operation differs depending on the connected Bluetooth device.

*4 Applies to XAV-64BT only.

*5 If an HD Radio tuner or SAT tuner is connected and (SOURCE/OFF) is pressed, the connected device (“HD Radio,” “XM,” or “Sirius”) will appear on the display.

If multiple devices are connected, “External” will appear on the display.

Furthermore, if (MODE) is pressed, you can switch between the HD Radio tuner band and SAT tuner band.

*6 Available on XAV-64BT only.

*7 When two auxiliary devices are used.

*8 When two or more external 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.

Rear view camera

By connecting the optional rear view camera to the CAMERA IN 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).

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 45).

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:

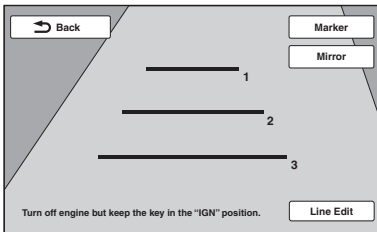
- “Camera Input” is set to “ON” (page 45).
- the parking brake is applied.

1 Touch “Source List,” then .

The general setting menu appears. If not, touch “General.”

2 Touch ▲/▼ to scroll, then touch “Rear View Camera Setting.”

The setting items appear.



Displaying marker lines

Touch “Marker.”

Touch “Marker” again to hide the marker lines.

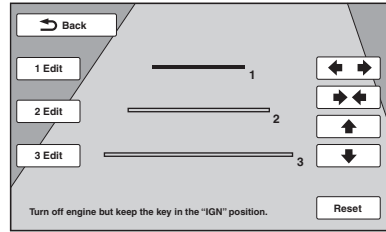
Reversing the picture

Touch “Mirror.”

A mirror-reversed picture appears.

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 “Back.”

Additional Information

Precautions

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

Moisture condensation

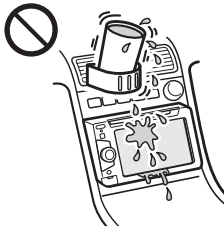
Should moisture condensation occur inside the unit, remove the disc and wait for about an hour for it to dry out; otherwise the unit will not operate properly.

To maintain high sound quality

Do not splash liquid onto the unit or discs.

Notes on 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 55).
- 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.

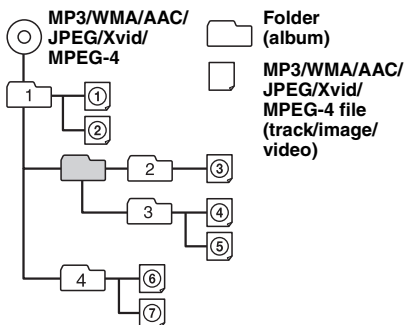
Notes on Multi Session CDs/Multi Border DVDs

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 29.

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



About MP3 files

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

Note on MP3

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

About WMA files

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

* only for 64 kbps

Note on WMA

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

About AAC files

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

About JPEG files

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

Note on JPEG

Playback of progressive JPEG files is not supported.

About MPEG-4 files

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

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

About iPod

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

Made for

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

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

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

About Bluetooth function

The following applies only to XAV-64BT.

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.

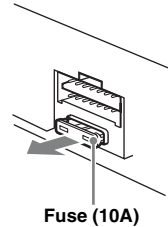
- Do not hold the battery with metallic tweezers, otherwise a short-circuit may occur.
- Do not expose the battery to excessive heat such as direct sunlight, fire or the like.

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.

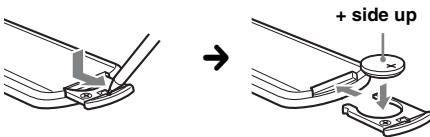


Maintenance

Replacing the lithium battery of the remote commander (not supplied)

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 (not supplied) 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.

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 \times 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 \times 3 (RGB) \times 480)

Color system:

PAL/NTSC/SECAM/PAL-M 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 (stereo)

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 μ V

DVD/CD Player section

Signal-to-noise ratio: 120 dB

Frequency response: 10 – 20,000 Hz

Wow and flutter: Below measurable limit

Harmonic distortion: 0.01%

Region code: Labeled on the bottom of the unit

USB Player section

Interface: USB (Full-speed)

Maximum current: 1 A

Wireless Communication*1

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)*2

Frequency band:

2.4 GHz band (2.4000 – 2.4835 GHz)

Modulation method: FHSS

Compatible Bluetooth Profiles*3:

A2DP (Advanced Audio Distribution Profile)

AVRCP (Audio Video Remote Control Profile) 1.3

HFP (Handsfree Profile) 1.5

PBAP (Phone Book Access Profile)

OPP (Object Push Profile)

*1 Applies to XAV-64BT only.

*2 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.

*3 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 \times 4 (at 4 ohms)

General

Outputs:

Video output terminal (rear)

Audio output terminals (rear/sub switchable)

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 (XAV-64BT only)

Reverse input terminal

Camera input terminal

AUX audio input terminals (front/rear)

AUX video input terminal

USB signal input connector

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

Dimensions: Approx. 178 \times 100 \times 170 mm (7 $\frac{1}{8}$ \times 4 \times 6 $\frac{3}{4}$ in) (w/h/d)

Mounting dimensions: Approx. 178 \times 111 \times 164 mm (7 $\frac{1}{8}$ \times 4 $\frac{3}{8}$ \times 6 $\frac{1}{2}$ in) (w/h/d)

Mass: Approx. 1.9 kg (4 lb 3 oz)

Supplied accessories:

Parts for installation and connections (1 set)

Microphone (XAV-64BT only)

Optional accessories/equipment:

Remote Commander: RM-X170

Mobile monitor: XVM-B62

BUS cable (supplied with an RCA pin cord):

RC-61 (1 m), RC-62 (2 m)

USB and Video connection cable for iPod:

RC-202IPV

HD Radio™ tuner: XT-100HD

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.

System requirements for using SensMe™

Computer

- CPU/RAM
 - IBM PC/AT compatible machine
 - CPU: Intel Pentium III Processor 450 MHz or higher
 - RAM: 256 MB or more (For Windows XP), 512 MB or more (For Windows Vista or later)
- USB port

OS

Windows XP, Windows Vista, Windows 7

For details on compatible editions or Service Packs, visit the support site on the back cover.

Monitor

High color (16-bit) or more, 800 × 600 pixels or more

Other

Internet connection

Notes

- *The following system environments are not supported.*
 - Non IBM PC type computers, such as Macintosh, etc.
 - Homemade computers
 - OS upgraded computers
 - Multi-display environment
 - Multi-boot environment
 - Virtual machine environment
- *Depending on the computer condition, operation may not be possible even with the recommended environment.*

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 (not supplied).
→ 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 44).
- 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 44).
- 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 12).
→ 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 42).

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 (not supplied) is not possible.

If the Monitor Off function is activated (no lighting), operation of the remote commander (not supplied) is not possible (page 12).

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 "Front AUX Input" to "Audio" or "Rear AUX Input" to "Video" or "Audio" (page 51).

"Front AUX" cannot be selected.

An iPod is connected via the USB connector.

→ Disconnect the iPod (page 28).

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 44).
 - 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 20).
 - 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 10).
-

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 55).
 - The disc format and file version are incompatible with this unit (page 10, 54).
 - 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 54).
- The file extension is incorrect (page 55).
- 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 29).

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 50) 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 (not supplied) (page 16).
- 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.

Bluetooth function (XAV-64BT)

The other Bluetooth device cannot detect this unit.

- Set “Signal” to “ON” (page 37).
- 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 36).

Echo or noise occurs during call conversations.

- Reduce the volume.
- “EC/NC Mode” is set to “Mode 1.”
→ Set “EC/NC Mode” to “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 37).

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 of the connected cellular phone.
- 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 inputting the passkey “0000.”

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

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

For XAV-64BT and XAV-63

- The USB device was not automatically recognized.
 - Reconnect it again.

For XAV-64BT only

- 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 browsing from the cellular phone failed due to a problem.
 - Retry browsing (page 34).
- Phonebook listing from the cellular phone failed due to a problem.
 - Retry listing (page 34).

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 33).

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 playable data.

The disc does not contain playable data.

No SensMe™ data on device.

The connected USB device does not contain data for the SensMe™ function, or the data has been moved to an improper location on the USB device.

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).
-

SensMe™ data Reading...

The unit is reading all data for the SensMe™ function in the connected USB device.

- Wait until reading is complete. Depending on the amount of data, etc., it may take time.
-

The connected USB device is not supported.

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

The SensMe™ data is corrupted.

The data for the SensMe™ function has a problem, such as altered file name, information, etc.

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” on this unit, and select “Yes” on the mobile device 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.
-

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

If you take the unit to be repaired because of disc playback trouble, bring the disc that was used at the time the problem began.

Language code/area code list

Language code list

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

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

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>**



AV Center

Installation/Connections Installation/Raccordement Instalación/Conexiones

XAV-64BT
XAV-63

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Cautions

- **Run all ground (earth) leads to a common ground (earth) point.**
- This unit is designed for negative ground (earth) 12 V DC operation only.
- Do not disassemble or modify the unit.
- Do not install in locations which interfere with airbag operation.
- Do not get the leads under a screw, or caught in moving parts (e.g. seat railing).
- Before making connections, turn the car ignition off to avoid short circuits.
- Connect the **yellow** and **red** power supply leads only after all other leads have been connected.
- Be sure to insulate any loose unconnected leads with electrical tape for safety.
- The use of optical instruments with this product will increase eye hazard.
- Do not press on the LCD when installing the unit.

- Notes on the power supply lead (yellow)**
- When connecting this unit in combination with other stereo components, the amperage rating of the car circuit to which the unit is connected must be higher than the sum of each component's fuse amperage rating.
 - If no car circuits are rated high enough, connect the unit directly to the battery.

Parts list 1

- The numbers in the list correspond to those in the instructions.
- For XAV-64BT only: Assemble the parts of the microphone ③ before use. For details, see "Installing the microphone (XAV-64BT only)" ③ on the reverse side.

Connection example 2

- Notes (2-A)**
- Be sure to connect the ground (earth) lead before connecting the amplifier.
 - The alarm will only sound if the built-in amplifier is used.
- Note (2-B)**
- You cannot use multiple auxiliary devices simultaneously, even if they are connected to different terminals. If you connect an optional device to BUS CONTROL IN, AUX AUDIO IN is not available.
- Note on satellite radio tuner (2-B)**
- This unit does not support the XM radio tuner XMDSON100.

- Notes on speaker connection**
- Before connecting the speakers, turn the unit off.
 - Use speakers with an impedance of 4 to 8 ohms, and with adequate power handling capacities to avoid damage.
 - Do not connect the speaker terminals to the car chassis, or connect the terminals of the right speakers with those of the left speakers.
 - Do not connect the ground (earth) lead of this unit to the negative (-) terminal of a speaker.
 - Do not attempt to connect the speakers in parallel.
 - Connect only passive speakers. Connecting active speakers (with built-in amplifiers) to the speaker terminals may damage the unit.
 - To avoid a malfunction, do not use the built-in speaker leads installed in your car if they feature a common negative (-) lead for the right and left speakers.
 - Do not connect the unit's speaker leads to each other.
- Notes on connection**
- If "Output connection failure," appears in the display, make sure the speaker and amplifier are connected correctly.
 - To use the monitor for the rear seats, connect the parking brake switch cord to the ground (earth).

Connection diagram 3

- To a common ground (earth) point**
First connect the black ground (earth) lead, then connect the yellow and red power supply leads.
- To the power antenna (aerial) control lead or the power supply lead of the antenna (aerial) booster**
Notes
 - It is not necessary to connect this lead if there is no power antenna (aerial) or antenna (aerial) booster, or with a manually-operated telescopic antenna (aerial).
 - If your car has a built-in FM/AM antenna (aerial) in the rear/side glass, see "Notes on the control and power supply leads."
- To AMP REMOTE IN of an optional power amplifier**
This connection is only for amplifiers. Connecting any other system may damage the unit.
- To a car's illumination signal**
Be sure to first connect the black ground (earth) lead to a common ground (earth) point.
- To the +12 V power terminal which is energized when the ignition switch is set to the accessory position**
Notes
 - If there is no accessory position, connect to the +12 V power (battery) terminal which is energized at all times.
 - Be sure to first connect the black ground (earth) lead to a common ground (earth) point.
 - If your car has a built-in FM/AM antenna (aerial) in the rear/side glass, see "Notes on the control and power supply leads."
- To the +12 V power terminal which is energized at all times**
Be sure to first connect the black ground (earth) lead to a common ground (earth) point.
- To the parking brake switch cord**
- To an auxiliary device such as a portable media player, game console, etc. (not supplied)**
Tip
You can use an RCA cord (not supplied) to connect auxiliary devices.
- To the +12 V power terminal of the car's rear lamp lead (only when connecting the rear view camera)**

- Notes on the control and power supply leads**
- REM OUT lead (blue/white striped) supplies +12 V DC when you turn on the unit.
 - When your car has built-in FM/AM antenna (aerial) in the rear/side glass, connect REM OUT lead (blue/white striped) or the accessory power supply lead (red) to the power terminal of the existing antenna (aerial) booster. For details, consult your dealer.
 - A power antenna (aerial) without a relay box cannot be used with this unit.
- Memory hold connection**
- When the yellow power supply lead is connected, power will always be supplied to the memory circuit even when the ignition switch is turned off.

Précautions

- **Rassemblez tous les câbles de mise à la masse en un point de masse commun.**
- Cet appareil est exclusivement conçu pour fonctionner sur une tension de 12 V CC avec une masse négative.
- Ne démontez pas ou ne modifiez pas l'appareil.
- N'installez pas cet appareil dans des endroits susceptibles de gêner le fonctionnement des coussins de sécurité gonflables.
- Évitez de fixer des vis sur les câbles ou de coincer ceux-ci dans des pièces mobiles (par exemple, armature de siège).
- Avant d'effectuer les raccordements, coupez le moteur pour éviter un court-circuit.
- Raccordez les câbles d'alimentation **jaune** et **rouge** seulement après avoir terminé tous les autres raccordements.
- Pour des raisons de sécurité, veillez à isoler avec du ruban isolant tout câble libre non raccordé.
- L'utilisation d'instruments optiques avec ce produit augmente les risques pour les yeux.
- N'exercez pas de pression sur l'écran ACL lors de l'installation de l'appareil.

Remarques sur le câble d'alimentation (jaune)

- Lorsque cet appareil est raccordé à d'autres éléments stéréo, l'intensité nominale du circuit de voiture auquel l'appareil est raccordé doit être supérieure à la somme de l'intensité nominale des fusibles de chaque élément.
- Si aucun circuit de la voiture n'est assez puissant, raccordez directement l'appareil à la batterie.

Liste des composants 1

- Les numéros de la liste correspondent à ceux des instructions.
- Pour XAV-64BT uniquement : Assemblez les pièces du microphone ③ avant de l'utiliser. Pour plus de détails, reportez-vous à la section « Installation du microphone (XAV-64BT uniquement) ③ » au verso.

Exemple de raccordement 2

- Remarques (2-A)**
- Raccordez d'abord le câble de mise à la masse avant de raccorder l'amplificateur.
 - L'alarme est émise uniquement lorsque l'amplificateur intégré est utilisé.
- Remarque (2-B)**
- Vous ne pouvez pas utiliser plusieurs appareils auxiliaires simultanément, même s'ils sont raccordés à des bornes différentes. Si vous raccordez un appareil en option à la borne BUS CONTROL IN, AUX AUDIO IN n'est pas disponible.
- Remarque sur le syntoniseur radio satellite (2-B)**
- Cet appareil n'est pas compatible avec le syntoniseur radio XM XMDSON100.

Schéma de raccordement 3

- À un point de masse commun**
Raccordez d'abord le câble de mise à la masse noir et, ensuite, les câbles d'alimentation jaune et rouge.
- Vers le câble de commande d'antenne électrique ou le câble d'alimentation de l'amplificateur d'antenne**
Remarques
 - Il n'est pas nécessaire de raccorder ce câble si l'il n'y a pas d'antenne électrique ni d'amplificateur d'antenne, ou avec une antenne télescopique manuelle.
 - Si votre voiture est équipée d'une antenne FM/AM intégrée dans la vitre arrière/latérale, voir « Remarques sur les câbles de commande et d'alimentation ».
- Au niveau de AMP REMOTE IN de l'amplificateur de puissance en option**
Ce raccordement s'applique uniquement aux amplificateurs. Le branchement de tout autre système risque d'endommager l'appareil.
- Vers le signal d'éclairage de la voiture**
Raccordez d'abord le câble de mise à la masse noir à un point de masse commun.
- À la borne +12 V qui est alimentée lorsque la clé de contact est sur la position accessoires**
Remarques
 - S'il n'y a pas de position accessoires, raccordez à la borne d'alimentation (batterie) +12 V qui est alimentée en permanence.
 - Raccordez d'abord le câble de mise à la masse noir à un point de masse commun.
 - Si votre voiture est équipée d'une antenne FM/AM intégrée dans la vitre arrière/latérale, voir « Remarques sur les câbles de commande et d'alimentation ».
- À la borne +12 V qui est alimentée en permanence**
Raccordez d'abord le câble de mise à la masse noir à un point de masse commun.
- Vers le cordon du capteur du frein à main**
- Vers un appareil auxiliaire, tel qu'un lecteur multimédia portatif, une console de jeu, etc. (non fourni(e))**
Conseil
Vous pouvez utiliser un câble RCA (non fourni) pour raccorder les appareils auxiliaires.
- À la borne +12 V des feux arrière du véhicule (uniquement en cas de raccordement de la caméra avec vue arrière)**

- Remarques sur les câbles de commande et d'alimentation**
- Le câble REM OUT (rayé bleu/blanc) fournit une alimentation de +12 V CC lorsque vous mettez l'appareil en marche.
 - Lorsque votre voiture est équipée d'une antenne FM/AM intégrée dans la vitre arrière/latérale, raccordez le câble REM OUT (rayé bleu/blanc) ou le câble d'alimentation des accessoires (rouge) à la borne d'alimentation de l'amplificateur d'antenne existant. Pour plus de détails, consultez votre détaillant.
 - Une antenne électrique sans boîtier de relais ne peut pas être utilisée avec cet appareil.
- Raccordement pour la conservation de la mémoire**
- Lorsque le câble d'alimentation jaune est raccordé, le circuit de la mémoire est alimenté en permanence même si la clé de contact est sur la position d'arrêt.
- Remarques sur le raccordement des haut-parleurs**
- Avant de raccorder les haut-parleurs, mettez l'appareil hors tension.
 - Utilisez des haut-parleurs ayant une impédance de 4 à 8 ohms avec une capacité électrique adéquate pour éviter de causer des dommages.
 - Ne raccordez pas les bornes du système des haut-parleurs au châssis de la voiture et ne raccordez pas les bornes des haut-parleurs droits à celles des haut-parleurs gauches.
 - Ne raccordez pas le câble de mise à la masse de cet appareil à la borne négative (-) d'un haut-parleur.
 - N'essayez pas de raccorder les haut-parleurs en parallèle.
 - Raccordez uniquement des haut-parleurs passifs. Le raccordement de haut-parleurs actifs (avec amplificateur intégré) aux bornes des haut-parleurs peut endommager l'appareil.
 - Pour éviter tout problème de fonctionnement, n'utilisez pas les câbles de haut-parleurs intégrés installés dans votre voiture s'ils possèdent un câble négatif commun (-) pour les haut-parleurs droit et gauche.
 - Ne raccordez pas entre eux les câbles des haut-parleurs de l'appareil.
- Remarques sur le raccordement**
- Si le message « Output connection failure » s'affiche, assurez-vous que le haut-parleur et l'amplificateur sont bien raccordés.
 - Si vous avez l'intention d'utiliser le moniteur pour les sièges arrière, raccordez le cordon du capteur du frein à main à la masse.

Precauciones

- **Conecte todos los cables de conexión a masa en un punto común.**
- Esta unidad ha sido diseñada para alimentarse solamente con cc de 12 V de masa negativa.
- No desmonte ni modifique la unidad.
- No instale la unidad en lugares en los que interfiera con el funcionamiento del airbag.
- No coloque los cables debajo de ningún tornillo, ni los apriete con partes móviles (p. ej. los railes del asiento).
- Antes de realizar las conexiones, desactive el encendido del automóvil para evitar cortocircuitos.
- Conecte los cables de fuente de alimentación **amarillo** y **rojo** solamente después de haber conectado los demás.
- Por razones de seguridad, asegúrese de aislar con cinta aislante los cables sueltos que no estén conectados.
- No presione la pantalla LCD cuando instale la unidad.

Notas sobre el cable de fuente de alimentación (amarillo)

- Cuando conecte esta unidad en combinación con otros componentes estéreo, la capacidad nominal del circuito conectado del automóvil debe ser superior a la suma del fusible de cada componente.
- Si no hay circuitos del automóvil con capacidad nominal suficientemente alta, conecte la unidad directamente a la batería.

Lista de componentes 1

- Los números de la lista corresponden a los de las instrucciones.
- Sólo para el modelo XAV-64BT: Monte las piezas del micrófono ③ antes de utilizarlo. Para obtener detalles, consulte "Instalación del micrófono (sólo el modelo XAV-64BT) ③" al reverso.

Ejemplo de conexiones 2

- Notas (2-A)**
- Asegúrese de conectar primero el cable de conexión a masa antes de realizar la conexión del amplificador.
 - La alarma sonará solamente si se utiliza el amplificador incorporado.

- Note (2-B)**
- No es posible utilizar los dispositivos auxiliares de manera simultánea aunque estén conectados a todos los terminales. Si se conecta un dispositivo opcional a BUS CONTROL IN, AUX AUDIO IN no estará disponible.

- Nota sobre el sintonizador de radio por satélite (2-B)**
- Esta unidad no es compatible con el sintonizador de radio XM XMDSON100.

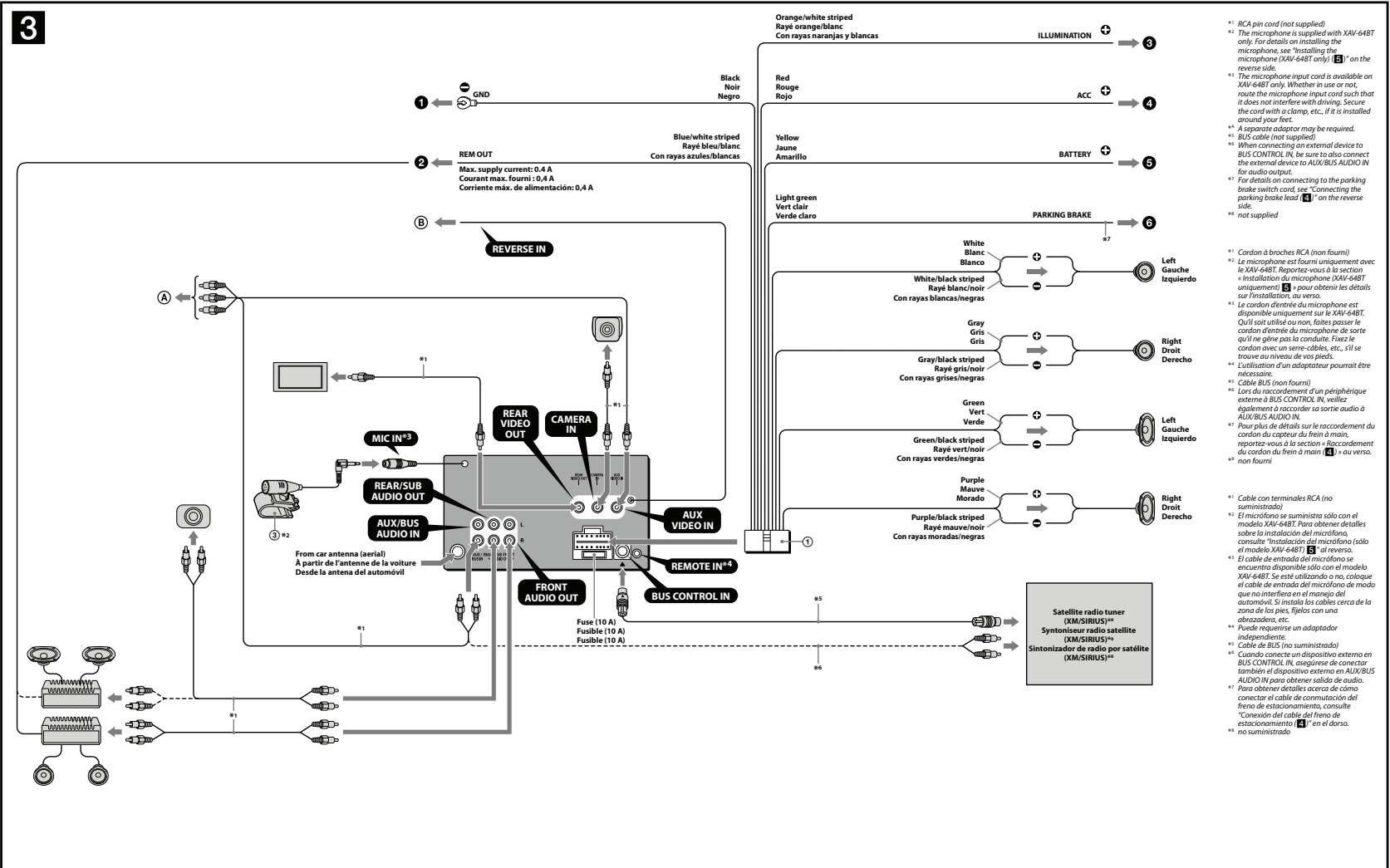
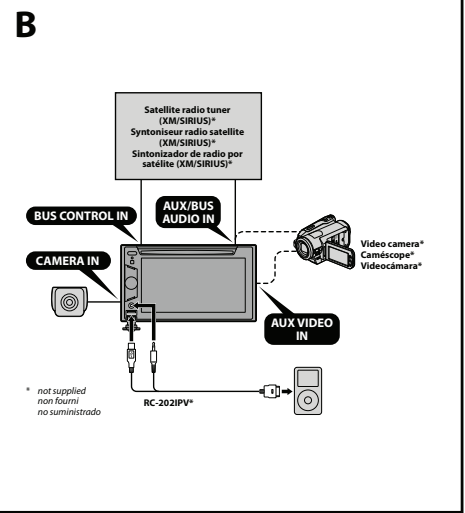
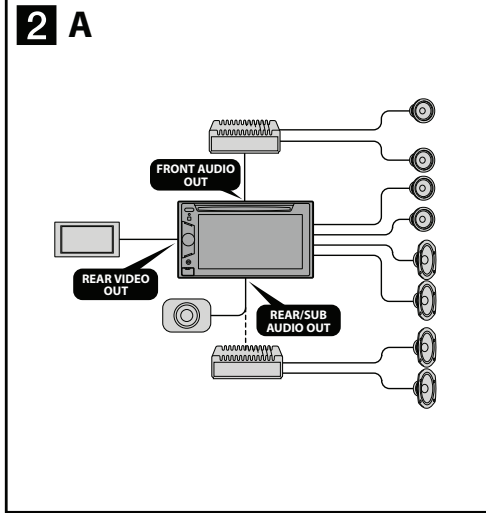
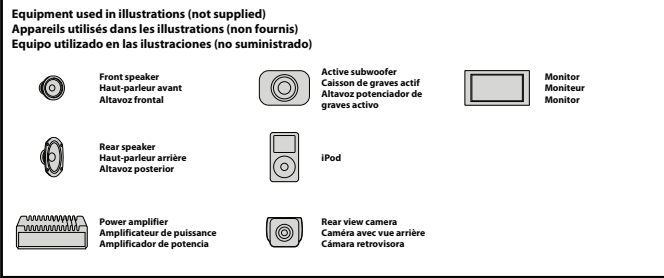
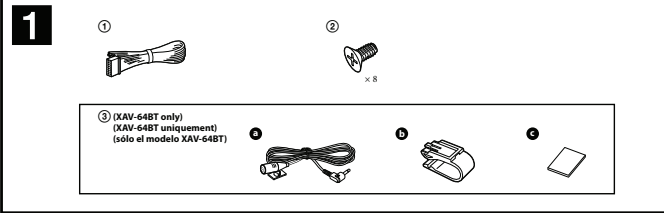
Diagrama de conexiones 3

- A un punto de conexión a masa común**
Conecte primero el cable de conexión a masa negro, y después los cables de fuente de alimentación rojo y amarillo.
- Al cable de control de la antena motorizada o al cable de fuente de alimentación del amplificador de señal de la antena**
Notas
 - Si no se dispone de antena motorizada ni de amplificador de señal de la antena, se utiliza una antena telescópica accionada manualmente. No será necesario conectar este cable.
 - Si el automóvil tiene una antena FM/AM integrada en el cristal posterior o lateral, consulte las "Notas sobre los cables de control de fuente de alimentación".
- A AMP REMOTE IN de un amplificador de potencia opcional**
Esta conexión es sólo para amplificadores. La conexión de cualquier otro sistema puede dañar la unidad.
- A una señal de iluminación del automóvil**
Asegúrese de conectar primero el cable de conexión a masa negro a un punto de conexión a masa común.
- Al terminal de alimentación de +12 V que recibe energía en la posición de accesorio del interruptor de la llave de encendido**
Notas
 - Si no hay posición de accesorio, conéctelo al terminal de alimentación (batería) de +12 V que recibe energía sin interrupción.
 - Asegúrese de conectar primero el cable de conexión a masa negro a un punto de conexión a masa común.
 - Si el automóvil tiene una antena FM/AM integrada en el cristal posterior o lateral, consulte las "Notas sobre los cables de control de fuente de alimentación".
- Al terminal de alimentación de +12 V que recibe energía sin interrupción**
Asegúrese de conectar primero el cable de conexión a masa negro a un punto de conexión a masa común.
- Al cable de conmutación del freno de estacionamiento**
- A un dispositivo auxiliar, como, por ejemplo, un reproductor portátil, una consola de videojuegos, etc. (no suministrados)**
Sugerencia
Es posible utilizar el cable con terminales RCA (no suministrado) para conectar dispositivos auxiliares.
- Al terminal de alimentación de +12 V del cable del indicador posterior del automóvil (únicamente cuando conecte la cámara retrovisora)**

- Notas sobre los cables de control y de fuente de alimentación**
- El cable REM OUT (rayado azul y blanco) suministra cc +12 V al encender la unidad.
 - Si el automóvil dispone de una antena de FM/AM integrada en el cristal trasero o lateral, conecte el cable REM OUT (rayado azul y blanco) o el cable de fuente de alimentación auxiliar (rojo) al terminal de alimentación del amplificador de señal de la antena existente. Para obtener más detalles, consulte a su distribuidor.
 - Con esta unidad no es posible utilizar una antena motorizada sin caja de relé.
- Consejo para protección de la memoria**
- Si conecta el cable de fuente de alimentación amarillo, el circuito de la memoria recibirá siempre alimentación, aunque apague el interruptor de encendido.

- Notas sobre la conexión de los altavoces**
- Antes de conectar los altavoces, desconecte la alimentación de la unidad.
 - Utilice altavoces con una impedancia de 4 a 8 Ω con la capacidad de potencia adecuada para evitar que se dañen.
 - No conecte los terminales de altavoz al chasis del automóvil ni conecte los terminales de altavoz derecho con los del izquierdo.
 - No conecte el cable de conexión a masa de esta unidad al terminal negativo (-) del altavoz.
 - No intente conectar los altavoces en paralelo.
 - Conecte solamente altavoces pasivos. Si conecta altavoces activos (con amplificadores incorporados) a los terminales de altavoz, puede dañar la unidad.
 - Para evitar fallos de funcionamiento, no utilice los cables de altavoz integrados instalados en el automóvil si la unidad comparte un cable negativo común (-) para los altavoces derecho e izquierdo.
 - No conecte los cables de altavoz de la unidad entre sí.

- Notas sobre la conexión**
- Si en la pantalla, aparece "Falla de la conexión de señal", verifique que el altavoz y el amplificador estén conectados correctamente.
 - Si va a utilizar el monitor para los asientos posteriores, conecte el cable de conmutación del freno de estacionamiento a masa.



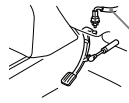
^{#1} RCA pin cord (not supplied)
^{#2} The microphone is supplied with XAV-648T only. For details on installing the microphone, see "Installing the microphone (XAV-648T only)" (5) on the reverse side.
^{#3} The microphone input cord is available on XAV-648T only. Whether in use or not, route the microphone input cord such that it does not interfere with driving. Secure the cord with a clamp, etc., if it is installed around your feet.
^{#4} A separate adaptor may be required.
^{#5} BUS cable (not supplied)
^{#6} When connecting an external device to BUS CONTROL IN, be sure to also connect the external device to AUX/BUS AUDIO IN for audio output.
^{#7} For details on connecting to the parking brake switch cord, see "Connecting the parking brake lead (6)" on the reverse side.
^{#8} not supplied

^{#1} Cordon à broches RCA (non fourni)
^{#2} Le microphone est fourni uniquement avec le XAV-648T. Raportez-vous à la section "Installation du microphone (XAV-648T uniquement)" (5) pour obtenir les détails sur l'installation, au verso.
^{#3} Le cordon d'entrée du microphone est disponible uniquement sur le XAV-648T. Qu'il soit utilisé ou non, faites passer le cordon d'entrée du microphone de sorte qu'il ne gêne pas la conduite. Fixez le cordon avec un serre-câbles, etc., s'il se trouve au niveau de vos pieds.
^{#4} Utilisation d'un adaptateur pourrait être nécessaire.
^{#5} Câble BUS (non fourni)
^{#6} Lors du raccordement d'un périphérique externe à BUS CONTROL IN, veillez également à raccorder sa sortie audio à AUX/BUS AUDIO IN.
^{#7} Pour plus de détails sur le raccordement du cordon du capteur du frein à main, raportez-vous à la section "Raccordement du cordon du frein à main (6)" au verso.
^{#8} non fourni

^{#1} Cable con terminales RCA (no suministrado)
^{#2} El microfono se suministra sólo con el modelo XAV-648T. Para obtener detalles sobre la instalación del microfono, consulte "Instalación del microfono (sólo el modelo XAV-648T)" (5) al reverso.
^{#3} El cable de entrada del microfono se encuentra disponible sólo con el modelo XAV-648T. Se este utilizando o no, coloque el cable de entrada del microfono de modo que no interfiera en el manejo del automóvil. Si instala los cables cerca de la zona de los pies, fíjlos con una abrazadera, etc.
^{#4} Puede requerirse un adaptador independiente.
^{#5} Cable de BUS (no suministrado)
^{#6} Cuando conecte un dispositivo externo en BUS CONTROL IN, asegúrese de conectar también el dispositivo externo en AUX/BUS AUDIO IN para obtener salida de audio.
^{#7} Para obtener detalles acerca de cómo conectar el cable de conmutación del freno de estacionamiento, consulte "Conexión del cable del freno de estacionamiento (6)" en el dorso.
^{#8} no suministrado

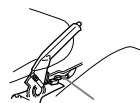
4

Foot brake type
Type de frein à pied
Tipo de freno de pedal

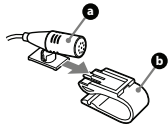
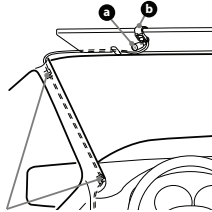


Parking brake switch cord
Cordon du capteur du frein à main
Cable de conmutación del freno de estacionamiento

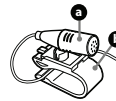
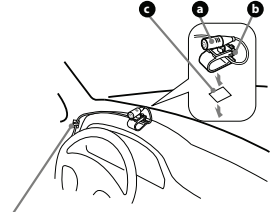
Hand brake type
Type de frein à main
Tipo de freno manual



Parking brake switch cord
Cordon du capteur du frein à main
Cable de conmutación del freno de estacionamiento

5 A 1**2**

Clips (not supplied)
Clips (non fournis)
Clips (no suministrados)

B 1**2**

Clip (not supplied)
Clip (non fourni)
Clip (no suministrado)

6 A

To dashboard/center console
Vers le tableau de bord/la console centrale
Al tablero o consola central

Larger than
97 mm (3 7/8 in)
Largeur minimale
de 97 mm (3 7/8 po)
Superior a 97 mm

Larger than
172 mm (6 7/8 in)
Largeur minimale de
172 mm (6 7/8 po)
Superior a 172 mm

Installation kit (not supplied)
Kit d'installation (non fourni)
Kit de instalación (no suministrado)

B

Size:
5 × max. 8 mm
(7/32 × max. 5/16 in)
Dimension:
5 × max. 8 mm
(7/32 × 5/16 po max.)
Tamaño:
5 × 8 mm máx.

To the dashboard/center console
Vers le tableau de bord/la console centrale
Al tablero o consola central

Parts supplied with your car
Pièces existantes fournies avec la voiture
Partes suministradas con el automóvil

Size:
5 × max. 8 mm
(7/32 × max. 5/16 in)
Dimension:
5 × max. 8 mm
(7/32 × 5/16 po max.)
Tamaño:
5 × 8 mm máx.

Precautions

- Choose the installation location carefully so that the unit will not interfere with normal driving operations.
- Avoid installing the unit in areas subject to dust, dirt, excessive vibration, or high temperature, such as in direct sunlight or near heater ducts.
- Use only the supplied mounting hardware for a safe and secure installation.

Mounting angle adjustment

Adjust the mounting angle to less than 45°.

Connecting the parking brake lead 4

Be sure to connect the parking brake lead (light green) of the power supply connection cable ① to the parking brake switch cord. The mounting position of the parking brake switch cord depends on your car. Consult your car dealer or your nearest Sony dealer for further details.

Installing the microphone (XAV-64BT only) 5

To capture your voice during handsfree calling, you need to install the microphone ⑤.

Cautions

- Keep the microphone away from extremely high temperatures and humidity.
- It is extremely dangerous if the cord becomes wound around the steering column or gearstick. Be sure to keep it and other parts from obstructing your driving.
- If airbags or any other shock-absorbing equipment is in your car, contact the store where you purchased this unit, or the car dealer, before installation.

5-A Installing on the sun visor

- 1 Install the microphone ⑤ on the clip ④.
- 2 Install the clip ④ on the sun visor.
- 3 Install clips (not supplied) and adjust the length and position of the cord so that it does not obstruct your driving.

5-B Installing on the dashboard

- 1 Install the microphone ⑤ on the clip ④, then place the cord along the groove of the clip ④.
- 2 Attach the clip ④ to the dashboard with the double-sided tape ⑥.
- 3 Install a clip (not supplied) and adjust the length and position of the cord so that it does not obstruct your driving.

Notes

- Before attaching the double-sided tape ⑥, clean the surface of the dashboard with a dry cloth.
- Adjust the microphone angle to the proper position.
- The microphone ⑤ can be installed without using the clip ④.
- In this case, directly attach the microphone to the dashboard with the double-sided tape ⑥. Keep the unused clip ④ for future use.

Mounting the unit 6

6-A Mounting the unit with an installation kit (not supplied)

You can use a commercially available double DIN installation kit. Choose an installation kit with the following panel frame size.
Larger than 172 × 97 mm (6 7/8 × 3 7/8 in.) (w/h), with an inner corner radius of less than 0.5 mm (1/32 in.).

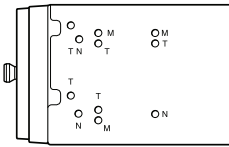
Note

Be sure to use the supplied screws ②.

6-B Mounting the unit in a Japanese car

You may be able to install this unit in some makes of Japanese cars without an installation kit (not supplied). If you cannot, consult your Sony dealer.

When mounting this unit to the preinstalled brackets of your car, use the supplied screws ② in the appropriate screw holes, based on your car: T for TOYOTA, M for MITSUBISHI and N for NISSAN.



Notes

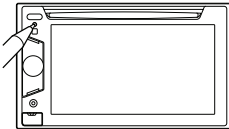
- To avoid a malfunction, install only with the supplied screws ②.
- Do not apply excessive force to the buttons of the unit.
- Do not press on the LCD.
- Before mounting, make sure there is nothing on the top of the unit.

Warning if your car's ignition has no ACC position

Be sure to set the Auto Off function. For details, refer to the supplied "Operating Instructions." The unit will shut off completely and 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.

Reset button

When the installation and connections are completed, be sure to press the reset button with a ballpoint pen, etc.



Précautions

- Choisissez soigneusement l'emplacement d'installation pour que l'appareil ne gêne pas le conducteur pendant la conduite.
- Évitez d'installer l'appareil dans un endroit exposé à la poussière, à la saleté, à des vibrations excessives ou à des températures élevées comme en plein soleil ou à proximité de conduits de chauffage.
- Pour garantir un montage sûr, n'utilisez que le matériel fourni.

Réglage de l'angle de montage

Ajustez l'inclinaison à un angle inférieur à 45°.

Raccordement du cordon du frein à main 4

Veillez à raccorder le cordon du frein à main (vert clair) du câble de raccordement d'alimentation ① au cordon du capteur du frein à main. La position de montage du cordon du capteur du frein à main dépend de votre véhicule. Pour obtenir davantage d'informations, veuillez consulter votre concessionnaire automobile ou votre détaillant Sony.

Installation du microphone (XAV-64BT uniquement) 5

Pour capturer votre voix durant les appels mains libres, vous devez installer le microphone ⑤.

Attention

- N'exposez pas le microphone à des températures extrêmement élevées et à l'humidité.
- Veillez à ce que le cordon ne soit pas enroulé autour du volant ou du levier de vitesses. Ceci peut s'avérer extrêmement dangereux. Veillez à ce que le cordon et les autres pièces ne gênent pas votre conduite.
- Si un système de coussins de sécurité gonflables ou tout autre équipement absorbant les chocs est présent dans votre véhicule, contactez le magasin où vous avez acheté cet appareil ou votre concessionnaire avant l'installation.

5-A Fixation sur le pare-soleil

- 1 Fixez le microphone ⑤ sur le clip ④.
- 2 Fixez le clip ④ sur le pare-soleil.
- 3 Installez les clips (non fournis) et ajustez la longueur et la position du cordon de façon à ce qu'il ne gêne pas la conduite.

5-B Fixation sur le tableau de bord

- 1 Fixez le microphone ⑤ sur le clip ④, puis faites passer le cordon dans la rainure du clip ④.
- 2 Fixez le clip ④ sur le tableau de bord avec l'adhésif double face ⑥.
- 3 Installez un clip (non fourni) et ajustez la longueur et la position du cordon de façon à ce qu'il ne gêne pas la conduite.

Remarques

- Avant de fixer l'adhésif double face ⑥, nettoyez la surface du tableau de bord avec un chiffon sec.
- Réglez l'angle du microphone afin de le positionner correctement.
- Le microphone ⑤ peut être installé sans utiliser le clip ④.
- En pareil cas, fixez le microphone directement sur le tableau de bord à l'aide de l'adhésif double face ⑥. Conservez le clip ④ inutilisé pour une utilisation ultérieure.

Montage de l'appareil 6

6-A Montage de l'appareil à l'aide d'un kit d'installation (non fourni)

Vous pouvez utiliser un kit d'installation DIN double disponible sur le marché. Choisissez un kit d'installation dont la taille du cadre de la façade est la suivante : Largeur minimale de 172 × 97 mm (6 7/8 × 3 7/8 po) (l/h), avec un rayon d'arrondi interne inférieur à 0,5 mm (1/32 po).

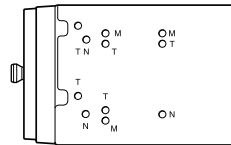
Remarque

Veillez à utiliser exclusivement les vis fournies ②.

6-B Montage de l'appareil dans une voiture japonaise

Il peut être possible d'installer cet appareil dans certaines voitures de marques japonaises sans kit d'installation (non fourni). Dans le cas contraire, consultez votre détaillant Sony le plus proche.

Si vous installez cet appareil sur les supports préinstallés de votre véhicule, faites passer les vis fournies ② par les trous de vis appropriés, en fonction de votre véhicule : T pour TOYOTA, M pour MITSUBISHI et N pour NISSAN.



Remarques

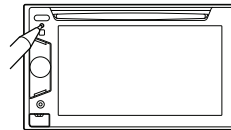
- Pour éviter tout problème de fonctionnement, utilisez uniquement les vis ② fournies pour le montage.
- N'exercez pas de pression excessive sur les touches de l'appareil.
- N'exercez aucune pression sur l'écran ACL.
- Avant de procéder au montage, assurez-vous que rien ne se trouve au-dessus de l'appareil.

Avertissement si le contact de votre véhicule ne comporte pas de position ACC

Veillez à régler la fonction de mise hors tension automatique. Pour obtenir davantage d'informations, consultez le « Mode d'emploi » fourni. L'appareil s'éteint complètement et automatiquement après le laps de temps choisi lorsqu'aucune source n'est sélectionnée, afin d'éviter que la batterie ne se décharge. Si vous ne réglez pas la fonction de mise hors tension automatique, appuyez sur la touche (SOURCE/OFF) et maintenez-la enfoncée jusqu'à ce que l'affichage disparaisse à chaque fois que vous coupez le contact.

Touche de réinitialisation

Une fois que l'installation et les raccordements sont terminés, veillez à appuyer sur la touche de réinitialisation à l'aide d'un stylo à bille, etc.



Precauciones

- Elija cuidadosamente el lugar de montaje de forma que la unidad no interfiera con las funciones normales de conducción.
- Evite instalar la unidad donde pueda quedar sometida a polvo, suciedad, vibraciones excesivas o altas temperaturas como, por ejemplo, a la luz solar directa o cerca de conductos de calefacción.
- Para realizar una instalación segura y firme, utilice solamente elementos de instalación suministrados.

Ajuste del ángulo de montaje

Ajuste el ángulo de montaje a menos de 45°.

Conexión del cable del freno de estacionamiento 4

Asegúrese de conectar el cable del freno de estacionamiento (verde claro) del cable de conexión de la fuente de alimentación ① al cable de conmutación del freno de estacionamiento. La posición de montaje del cable de conmutación del freno de estacionamiento depende del automóvil. Consulte al distribuidor del automóvil o al distribuidor Sony más cercano para obtener más detalles.

Instalación del micrófono (sólo el modelo XAV-64BT) 5

Para capturar la voz durante una llamada con manos libres, debe instalar el micrófono ⑤.

Precauciones

- Mantenga el micrófono alejado de lugares con humedad y temperaturas muy altas.
- Que el cable se enrolle alrededor del volante o de la palanca de cambios es extremadamente peligroso. Asegúrese de impedir que el cable y otros componentes obstruyan la conducción.
- Si el vehículo dispone de airbags u otros dispositivos de amortiguación de impactos, póngase en contacto con el establecimiento donde ha adquirido esta unidad o con el concesionario de automóviles antes de llevar a cabo la instalación.

5-A Instalación en la visera

- 1 Instale el micrófono ⑤ en el clip ④.
- 2 Instale el clip ④ en la visera.
- 3 Instale los clips (no suministrados) y ajuste la longitud y la posición del cable de modo que no obstruya la conducción.

5-B Instalación en el salpicadero

- 1 Instale el micrófono ⑤ en el clip ④ y, a continuación, coloque el cable en la ranura del clip ④.
- 2 Enganche el clip ④ en el salpicadero con la cinta adhesiva de dos caras ⑥.
- 3 Instale un clip (no suministrado) y ajuste la longitud y la posición del cable de modo que no obstruya la conducción.

Notes

- Antes de colocar la cinta adhesiva de doble cara ⑥, limpie la superficie del tablero con un paño seco.
- Ajuste el ángulo del micrófono en la posición adecuada.
- El micrófono ⑤ se puede instalar sin el clip ④.
- En este caso, enganche directamente el micrófono al tablero con cinta adhesiva de dos caras ⑥. Conserve el clip sin usar ④ por si lo necesita en el futuro.

Montaje de la unidad 6

6-A Montaje de la unidad con un kit de instalación (no suministrado)

Puede utilizar un kit de instalación doble DIN disponible en el mercado. Elija un kit de instalación con el marco del panel del tamaño que se indica a continuación. Superior a 172 × 97 mm (an/al), con un radio en la esquina inferior inferior a 0,5 mm.

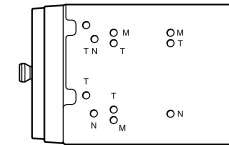
Note

Asegúrese de utilizar los tornillos suministrados ②.

6-B Montaje de la unidad en un automóvil japonés

Es posible que pueda instalar la unidad en algunos automóviles japoneses sin el kit de instalación (no suministrado). En caso de que no pudiera, consulte al distribuidor Sony más cercano.

Cuando monte la unidad en los soportes preinstalados de su automóvil, utilice los tornillos suministrados ② en los orificios para tornillos correspondientes en función de su automóvil: T para TOYOTA, M para MITSUBISHI y N para NISSAN.



Notes

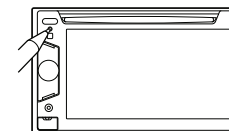
- Para evitar que se produzcan fallos de funcionamiento, realice la instalación solamente con los tornillos suministrados ②.
- No ejereza excesiva fuerza sobre los botones de la unidad.
- No presione la pantalla LCD.
- Asegúrese de que no hay ningún objeto encima de la unidad antes de montar.

Advertencia: si el encendido del automóvil no dispone de una posición ACC

Asegúrese de ajustar la función de desconexión automática. Para obtener más información, consulte el "Manual de instrucciones" suministrado. La unidad se apagará completa y automáticamente en el tiempo establecido si no se selecciona ninguna fuente, lo cual evita que se desgaste la batería. Si no ha ajustado la función de desconexión automática, mantenga presionado (SOURCE/OFF) cada vez que apague el interruptor de encendido, hasta que la pantalla desaparezca.

Botón de reinicio

Una vez finalizadas la instalación y las conexiones, asegúrese de presionar el botón de reinicio con un bolígrafo, etc.





Consumer 1 Year Warranty

Sony of Canada Ltd. ("Sony") hereby warrants, subject to the terms and conditions herein set forth, this product against defects in material and workmanship during the specified warranty period. In the event of a defect of material or workmanship during the specified warranty period, Sony will repair the same, effecting all necessary parts replacements with either new or refurbished parts, without charge for either parts or labour.

The warranty period is as follows:

Labour and Parts: ONE year from the date of original purchase at retail.

Conditions:

Unauthorized Modification, Repair, Abuse, Etc.:

This limited warranty is void if: (i) the unit has been previously altered, modified, installed or mounted for commercial use, or repaired or serviced by anyone other than the service facilities authorized by Sony to render such services, (ii) the serial number on the unit has been altered or removed, or (iii) the unit has been subject to accident, misuse, abuse or operated contrary to the instructions contained in the Owner's Manual. The opinion of Sony with respect to this matter shall be final.

Commercial Use or Rental:

This product is not intended for commercial use or rental. Should this unit be used at any time for commercial purposes or as a rental unit, the limited warranty period for parts and labour shall be 90 days from the date of original purchase at retail. The opinion of Sony with respect to this matter shall be final.

Exclusions:

This limited warranty does not extend to broken or damaged cabinets, accessories, batteries, exposed antennas and styluses, or to parts wearing out due to normal wear and tear. This limited warranty does not cover regular product maintenance such as cleaning, lubrication or check-ups.

This limited warranty covers only the hardware components packaged with the product. It does not cover technical assistance for hardware or software usage and it does not cover any software products whether or not contained in the product. Any such software is provided "AS IS" unless expressly provided for in any enclosed software limited warranty. Please refer to the End User License Agreements included with the product for your rights and obligations with respect to the software.

This limited warranty is valid only in Canada.

Delivery:

The unit must be delivered in person to one of the nearest Sony service facilities in Canada, or shipped, freight prepaid, in either its original package or similar package affording an equal degree of protection and with instructions indicating a location within Canada to which the unit may be returned. If shipped to the service facility, the repaired unit will be returned to customer freight prepaid. All accessories that are enclosed with the unit must be listed individually on the packing slip for the shipping documentation. Defective accessories should be shipped to Sony as a separate repair item. Sony shall have no liability whatsoever for loss or damage in transit of items shipped to service facilities. Any parts replaced under this limited warranty will become the property of Sony. **It is your responsibility to back up any data, software or other materials you may have stored or preserved on your unit. It is likely that such data, software, or other materials will be lost or reformatted during service and Sony will not be responsible for any such damage or loss.**

Proof of Purchase:

This limited warranty applies to the product from the original date of purchase at retail. The owner must furnish proof of original purchase at retail.

Subject Products:

This limited warranty is applicable to the following Sony Products, and may also be applicable to other Sony products if enclosed in the product's original packaging:

Audio/Video Accessories
Car Audio/Video Products
Camcorders and related accessories
Cyber-shot® Digital still Camera and related accessories
Clock Radio/with CD Players
Digital Media Players/ Digital Music Players
Digital Photo Printers/Scanners
Digital Voice Recorder
IC Chip Recorders
Home Audio Systems
Home Theatre System
Home Video Player and Recorders
Mobile Navigation Products
Microcassette recorder
Net MD/H-MMD Walkman
Network Walkman
Portable CD Players/ with Radio
Portable DVD Players
Portable Headset Stereo Radios
Portable MiniDisc Recorder/Players
Portable Radio CD Players /with Cassette
Portable Radio
Radio Cassette Combinations
Video Cassette Recorders and related accessories
Video Walkman

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Product Registration:

Thank you for choosing a Sony product. At Sony, we strive to create products of the highest quality to enhance your experience and enjoyment. To provide the best support for your product, we request that you complete a product registration form at www.SonyStyle.ca/registration within 90 days of purchase.

For service assistance, product information, or product registration please call: 1-877-899-7669. For information about a Sony Care Extended Warranty, please call 1-800-773-9667.

For online product support and updates at any time, please visit:

www.sony.ca/sonyca/view/english/support_electronics.shtml,
or call the Sony Customer Information Centre at 1-877-899-7669.

Garantie d'un an protégeant les consommateurs

Sony du Canada Ltée (Sony), sous réserve des modalités et conditions indiquées aux présentes, garantit le présent produit contre tout défaut de fabrication ou toute défaillance des matériaux entrant dans sa fabrication pour la période de garantie spécifiée. Si un défaut de fabrication ou une défaillance des matériaux survient pendant la période de garantie spécifiée, Sony veillera à réparer le produit en y effectuant tous les remplacements de pièces nécessaires par des pièces neuves ou remises à neuf et ce, sans frais quant aux pièces ou à la main-d'œuvre.

La période de garantie est la suivante :

Main-d'œuvre et pièces : UN an à compter de la date d'achat originelle au détail.

Conditions :

Modifications, réparations, abus non autorisés, etc. :

La présente garantie limitée est nulle si : (i) l'unité a été altérée, modifiée ou installée aux fins d'usage commercial, ou réparée ou entretenue par une personne autre qu'un centre de réparation autorisé par Sony afin d'effectuer de tels services. (ii) le numéro de série de l'unité a été altéré ou retiré, ou (iii) l'unité a subi un accident, un mauvais usage, un abus ou a été utilisée pour un usage contraire aux directives du mode d'emploi. L'opinion de Sony à cet effet est sans appel.

Usage commercial ou location :

Ce produit n'est pas conçu pour usage commercial ou location. Advenant que cette unité soit utilisée à des fins commerciales ou comme unité en location, la période de garantie limitée pour les pièces et la main-d'œuvre est réduite à 90 jours après la date d'achat originelle. L'opinion de Sony à cet effet est sans appel.

Exclusions :

La présente garantie limitée exclut les armoires, accessoires ou piles brisés ou endommagés; les antennes et stylets exposés, ou la défaillance de pièces découlant de leur usure normale. La présente garantie limitée exclut l'entretien régulier des produits, tels que le nettoyage, la lubrification ou les vérifications.

La présente garantie limitée ne couvre que l'équipement fourni avec le produit. Elle ne couvre aucune assistance technique quant à l'usage d'équipement ou de logiciel et ne couvre aucun logiciel, fourni ou non avec le produit. De tels logiciels sont fournis « TELS QUELS », sauf aux termes d'une garantie limitée de logiciel comprise dans l'emballage. Veuillez consulter les ententes d'utilisateur comprises avec le produit pour connaître vos droits et obligations relativement aux logiciels.

La présente garantie n'est valide qu'au Canada.

Livraison :

L'unité doit être livrée en personne à l'un des centres de réparation Sony du Canada, ou expédiée, dans son emballage d'origine ou un emballage équivalent accordant un niveau de protection équivalent, ainsi que des directives indiquant l'emplacement au Canada où l'unité peut être retournée. Si l'unité est expédiée à un centre de réparation, l'unité réparée sera retournée au client port payé. Tous les accessoires compris avec l'unité doivent être énumérés individuellement sur le bordereau d'expédition aux fins de documentation d'expédition. Les accessoires défectueux doivent être expédiés à Sony à titre d'article distinct à réparer. Sony n'est pas responsable des pertes ou dommages des articles en transit expédiés aux centres de réparation. Toute pièce remplacée aux termes de la présente garantie limitée devient la propriété de Sony. **Vous êtes responsable de faire une copie de sauvegarde de toutes données, logiciels ou autres que vous auriez pu stocker ou conserver sur votre unité. Il est fort probable que des données, logiciels ou autres seront perdus ou reformatés pendant la réparation, et Sony n'est pas responsable de tels dommages ou pertes.**

Preuve d'achat :

La présente garantie limitée s'applique au produit à compter de la date d'achat originelle au détail. Par conséquent, le propriétaire doit présenter une preuve d'achat originelle au détail.

Produit visés par la présente garantie :

La présente garantie limitée s'applique aux produits Sony suivants, et peut aussi s'appliquer à d'autres produits s'ils font partie de l'emballage d'origine du produit :

Accessoires audio / vidéo
Produits audio / vidéo pour l'automobile
Caméras vidéo et accessoires connexes
Caméras photos numériques de type Cyber-shot® et accessoires connexes
Radios-réveil munis d'un lecteur CD
Lecteurs numériques de médias/Lecteurs numériques de musique
Imprimantes / scanners de photos numérisées
Enregistreurs numériques de la parole
Enregistreurs numériques à circuits intégrés
Systèmes audio pour la maison
Systèmes de cinéma-maison
Lecteurs et enregistreurs vidéo pour la maison
Produits de navigation mobile
Magnétophones à microcassettes
Baladeurs Net MD/H-MMD
Baladeurs réseau
Lecteurs CD portables / munis d'un récepteur radio
Lecteurs DVD portables
Radios portables de type « casque d'écoute stéréo »
Enregistreurs/lecteurs portables à MiniDisques
Radios portables et lecteurs CD / avec lecteur cassettes
Radios portables
Récepteurs-enregistreurs radiophoniques combinés
Magnétoscopes à cassettes et accessoires connexes
Baladeurs vidéo

SAUF DANS LA MESURE OÙ LA LOI APPLICABLE L'INTERDIT, TOUTES LES AUTRES GARANTIES ET CONDITIONS, EXPRESSES OU IMPLICITES, RELÉVANT OU NON D'UNE LOI, D'UN ACTE LÉGISLATIF, D'HABITUDES COMMERCIALES ÉTABLIES OU D'USAGES DU COMMERCE, Y COMPRIS, NOTAMMENT, TOUTE GARANTIE IMPLICITE DE QUALITÉ MARCHANDE OU DE L'ADAPTABILITÉ À UNE FIN PARTICULIÈRE, SONT DÉSAVOUÉES. SONY NE SAURAIT EN AUCUN CAS ÊTRE RESPONSABLE D'UN MONTANT SUPÉRIEUR AU PRIX RÉEL D'ACHAT DU PRODUIT; ET SONY NE SAURAIT EN AUCUN CAS ÊTRE RESPONSABLE DE DOMMAGES SPÉCIAUX, ACCESSOIRES OU CONSÉCUTIFS SUBIS RELATIVEMENT AU PRODUIT. SONY N'ASSUME NI N'AUTORISE AUCUN REPRÉSENTANT OU QUICONQUE À ASSUMER EN SON NOM UNE OBLIGATION OU RESPONSABILITÉ AUTRE QUE CELLES QUI SONT EXPRESSÉMENT DÉCRITES AUX PRÉSENTES. L'EXCLUSION DE GARANTIES ET CONDITIONS IMPLICITES N'EST PAS AUTORISÉE DANS CERTAINS TERRITOIRES.

Enregistrement du produit :

Merci d'avoir choisi un produit Sony. Chez Sony, nous nous efforçons de créer des produits de la plus haute qualité afin de renforcer votre expérience et votre satisfaction. Afin d'assurer le meilleur soutien qui soit à votre produit, nous vous demandons de remplir une fiche d'enregistrement de produit sur le site www.fr.SonyStyle.ca/enregistrement dans les quatre-vingt-dix (90) jours suivant la date d'achat.

Pour obtenir de l'aide concernant le service ou obtenir des renseignements sur le produit ou concernant l'enregistrement du produit, veuillez appeler le 1-877-899-7669. Pour obtenir des renseignements concernant la garantie prolongée Sony Care, veuillez appeler le 1-800-773-9667.

Pour le support technique et les mises à jour en ligne en tout temps, vous pouvez visiter le

www.fr.sony.ca/sonyca/view/french/support_electronics.shtml.

ou appeler le Centre d'information à la clientèle Sony au 1-877-899-7669.

SONY®

Car Audio

LIMITED WARRANTY (U.S. Only)

Sony Electronics Inc. ("Sony") warrants this product against defects in material or workmanship for the time periods and as set forth below when purchased directly from Sony or a Sony Retailer. Pursuant to this Limited Warranty, Sony will, at its option, (i) repair the product using new or refurbished parts or (ii) replace the product with a new or refurbished product. For purposes of this Limited Warranty, "refurbished" means a product or part that has been returned to its original specifications. **In the event of a defect, these are your exclusive remedies.**

Labor: For a period of one (1) year from the original date of purchase of the product ("Labor Warranty"), Sony will, at its option, repair or replace with new or refurbished product, product determined to be defective. If Sony elects to replace the product after this Labor Warranty has expired but while the Parts Warranty below is still in effect, it will do so for the applicable labor charge.

Parts: For a period of one (1) year from the original date of purchase of product ("Parts Warranty"), Sony will supply new or refurbished replacement parts in exchange for parts determined to be defective.

This Limited Warranty covers only the hardware components packaged with the Product. It does not cover technical assistance for hardware or software usage and it does not cover any software products whether or not contained in the Product; any such software is provided "AS IS" unless expressly provided for in any enclosed software Limited Warranty. Please refer to the End User License Agreements included with the Product for your rights and obligations with respect to the software.

Instructions: To obtain warranty service, you must deliver the product, freight prepaid, in either its original packaging or packaging affording an equal degree of protection to the Sony authorized service facility specified. **It is your responsibility to backup any data, software or other materials you may have stored or preserved on your unit. It is likely that such data, software, or other materials will be lost or reformatted during service and Sony will not be responsible for any such damage or loss.** A dated purchase receipt from Sony or a Sony Retailer is required. For specific instructions on how to obtain warranty service for your product,

Visit Sony's Web Site:
www.sony.com/support

Or call the **Sony Customer Information Service Center**
1-800-222-SONY(7669)

For an accessory or part not available from your authorized dealer, call:

1-800-488-SONY (7669)

Repair / Replacement Warranty: This Limited Warranty shall apply to any repair, replacement part or replacement product for the remainder of the original Limited Warranty period or for ninety (90) days, whichever is longer. Any parts or product replaced under this Limited Warranty will become the property of Sony.

This Limited Warranty only covers product issues caused by defects in material or workmanship during ordinary consumer use; it does not cover product issues caused by any other reason, including but not limited to product issues due to commercial use, acts of God, misuse, limitations of technology, or modification of or to any part of the Sony product or product purchased from other than Sony or a Sony Retailer. To determine if a retailer is part of the Sony Retailer Network, please contact Sony's Customer Service Call Center or go to www.sony.com/support. This Limited Warranty does not cover Sony products sold AS IS or WITH ALL FAULTS or consumables (such as fuses or batteries). This Limited Warranty is invalid if the factory-applied serial number has been altered or removed from the product. This Limited Warranty is valid only in the United States.

LIMITATION ON DAMAGES: SONY SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS PRODUCT.

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Some states do not allow the exclusion or limitation of incidental or consequential damages, or allow limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you. This Limited Warranty gives you specific legal rights and you may have other rights which vary from state to state.