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SONY

SONY

4-263-232-**11**(1)

AV Center

AV Center

Operating Instructions ———— US

Mode d'emploi ———— FR

Manual de instrucciones —— ES

Owner's Record

The model and serial numbers are located on the bottom of the unit.
Record the 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-62BT
XAV-622

DVD VIDEO   Video CD   **disc** DIGITAL AUDIO TEXT   **MP3 WMA AAC**   **DOLBY DIGITAL**

12 TONE ANALYSIS   SensMe™   gracenote.

Made for
iPod iPhone

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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-62BT and XAV-622.
- XAV-62BT is the model representatively used for illustration purposes.
- Bluetooth functions and descriptions apply only to XAV-62BT.

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.

2

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Warning if your car's ignition has no ACC position
Be sure to set the Auto Off function
(page 49).
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 53.

The following applies only to XAV-62BT:

This device complies with Part 15 of the FCC Rules and RSS-Gen of IC Rules. 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.

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).

3

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iPod Operations

Useful Functions

Handsfree Calling and Audio Streaming — Bluetooth (XAV-62BT only)

5

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Sound Adjustment

Monitor Adjustment

Settings

Using Optional Equipment

Additional Information

6

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Support site

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

http://esupport.sony.com
http://www.sony.com/mobileAV

Provides information on:
- Models and manufacturers of compatible digital audio players
- Models and manufacturers of compatible cellular phones and the FAQ about Bluetooth function (for XAV-62BT only)

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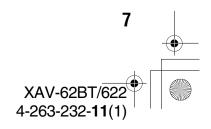The picture on the display is switched to the background screen, but audio source can be heard.

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.

Copyrights

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Notes on Bluetooth (XAV-62BT 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 the other device's 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.

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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	**C D**	**Audio CD**
		CD-ROM*2**/CD-R***2**/CD-RW***2

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

Note
"DVD" may be used in 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 61.

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

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Location and function of controls/terminals

Main unit

For details, see the pages listed below.

1 **⏏ (Eject) button** page 17

2 **Reset button** page 14

3 **Receptor for the remote commander**

4 **Disc slot** page 17

5 **TOP button**
  For XAV-62BT
  Press to open the top menu.
  For XAV-622
  Press to open the source list.

6 **Front AUX terminal** page 57

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.
  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 *"BT Audio" (Bluetooth Audio) is available only on
  XAV-62BT.*
*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.*

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Screen displays

When no source is selected:

Top menu (XAV-62BT only):

Source list:

[1] **"Source List" key**
Touch to open the source list.

[2] **"Top" key**
XAV-62BT
Touch to open the top menu.
XAV-622
Touch to open the source list.

[3] **Clock** page 53, 56

[4] ✕ **(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)[*4].

[11] **"Top" key/"M.OFF" key**
This key varies based on the model.
XAV-62BT: "Top" key
XAV-622: "M.OFF" key
See above for the function of each key.

[*1] *Appears only when a source is selected.*
[*2] *Available on XAV-62BT 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" appears on XAV-62BT only.*

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LaES(FM7.1_600dpi)\4263232111_XAV-62BT-622_CaFR-LaES\01US_XAV-
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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 12) 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.

Initial Setting	
Rear/Sub Out	**Rear** / Sub
Listening Position	Front L **/ Front R**
Language	English
	OK

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 52.
• For details on setting the listening position, see "Optimizing sound for the listening position — Intelligent Time Alignment" on page 44.
• For details on setting the display language, see page 49.

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Radio

Listening to the radio

1 Touch "Source List," then "Tuner."
(For XAV-62BT 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.

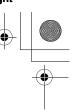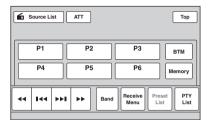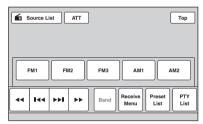**4 Perform tuning.**

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.

❶ **"Source List"**
Touch to open the source list. (page 13)

❷ **"ATT"**
Touch to attenuate the sound. To cancel, touch again.

❸ **"Top"**
XAV-62BT
Touch to open the top menu. (page 13)
XAV-622
Touch to open the source list. (page 13)

❹ **◄◄/►►**
Touch to tune manually.
Touch and hold to continuously skip frequencies.

❺ **I◄◄/►►I**
Touch to tune automatically.

❻ **"Band"**
Touch to open the band list and change the band.

❼ **"Receive Menu"**
Touch to open the receive menu, which contains the following items.

• **"Mono"**: Touch to activate monaural mode if FM reception is poor. To restore stereo reception, select "OFF."

• **"Local"**: Touch to tune only to stations with strong signals. To tune normally, select "OFF."

❽ **"Preset List"**
Touch to list up stored stations, or store stations. (page 16)

❾ **"PTY List"**
Touch to open the PTY list. (page 17)

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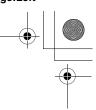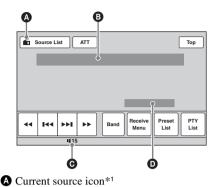
Reception indications

Ⓐ Current source icon*[1]
Ⓑ Band name, preset number*[2], frequency/status
Ⓒ Volume level*[3]
Ⓓ Setting status (EQ7, RBE)

*[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.

16

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

Ⓐ Band name, preset number, frequency
Ⓑ Stereo*[1], RDS*[2]
Ⓒ Program service name
Ⓓ Clock

*[1] *During FM reception.*
*[2] *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.*

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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"** (Ol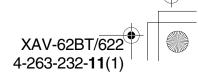dies), **"Soft"** (Soft), **"Nostalgia"** (Nostalgia), **"Jazz"** (Jazz), **"Classical"** (Classical), **"Rhythm and Blues"** (Rhythm and Blues), **"Soft R & B"** (Soft Rhythm and Blues), **"Foreign Language"** (Foreign Language), **"Religious Music"** (Religious Music), **"Religious Talk"** (Religious 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 49).**

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.
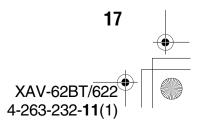
To stop playback
Press and hold (SOURCE/OFF) for 1 second.

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.**

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Playback controls

Touch the display if the playback controls are not displayed.

Common to all discs/formats

DVD

VCD

JPEG Xvid MPEG-4

C D MP3 WMA AAC

❶ **"Source List"**
Touch to open the source list. (page 13)

❷ **"ATT"**
Touch to attenuate the sound. To cancel, touch again.

❸ **"Top"**
XAV-62BT
Touch to open the top menu. (page 13)
XAV-622
Touch to open the source list. (page 13)

❹ **|◀◀ /▶▶|**
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.

❺ **▶||**
Touch to pause/resume play after pause.

❻ **"Play Menu"**
Touch to open the play menu, which contains the following items.

- **"Repeat"/"Shuffle"** (page 22)
- **"Dolby D Level"** (DVD VIDEO playback only) (page 21)
- **"Stereo"** (VCD/CD/MP3/WMA/AAC playback only) (page 21)
- **"Image Turn"** (JPEG playback only): Touch to rotate an image left/right.
- **"Audio"** (Xvid/MPEG-4 playback only) (page 21)

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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 20)*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 20)

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 31)

⑪ **"ZAP"**
Touch to enter ZAPPIN mode. (page 31)

*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 71) for the desired language.*

Note
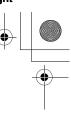*If the disc contains multiple file types, only the selected file type (audio/video/image) can be played. For details on how to select the file type, see "Selecting a file type" on page 31.*

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.

| DVD | VCD | JPEG | Xvid | MPEG-4 |

| C D | MP3 | WMA | AAC |

Ⓐ Current source icon
Ⓑ Volume level*¹
Ⓒ Format, playback status, elapsed playback time*², chapter/title/album (folder)/track number*³*⁴, audio format*⁵, setting status (CSO, EQ7, RBE)
Ⓓ Playback status, elapsed playback time*²
Ⓔ Track name, album name, artist name
Ⓕ Album artwork display*⁶
Ⓖ Format, track number, album number*⁷, setting status (CSO, EQ7, RBE)

*1 *When ATT is activated, ⓧ appears.*
*2 *During JPEG playback or VCD playback with PBC functions, no indication appears.*
*3 *Indications differ depending on the disc/format.*
*4 *When playing a VCD with PBC functions (page 20), no indication appears.*
*5 *DVD only.*
*6 *The recommended size is from 240 × 240 to 960 × 960 pixels.*
*7 *MP3/WMA/AAC only.*

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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 language

Audio format/channel numbers＊

The audio language switches among the available languages.
When the 4-digit input prompt appears, input the language code (page 71) 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

Rear channel × 2

Dolby D 3/2.1

Front channel × 2 + Center channel × 1   **LFE channel × 1**

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

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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.

"2-Ch": Standard stereo sound (default)
"L-Ch": Left channel sound (monaural)
"R-Ch": Right channel sound (monaural)

For VCD/CD/MP3/WMA/AAC

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

For Xvid/MPEG-4

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

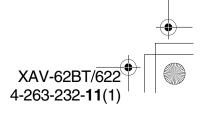You can adjust the audio output level for a DVD recorded in Dolby Digital format, to reduce the volume level differences between discs.

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."

Locking discs — Parental control

DVD   *

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

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

Activating parental control

1 While no source is selected, touch "Source List," then ☎.

2 Touch "Visual."
The visual setting menu appears.

3 Touch ▲/▼ to scroll, then touch "DVD Parental Control."
The password setting display appears.

4 Touch the number keys to enter your password, then touch "OK."

5 To confirm, touch the number keys to reenter your password, then touch "OK."
The setting is complete.

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

Deactivating parental control

1 Follow steps 1 to 3 above.
The parental unlock display appears.

2 Touch the number keys to enter your current password.
"Parental Unlocked" appears, and the parental control is deactivated.

Changing the password
Deactivate the parental control, then activate again using the new password.

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Changing the area and its movie rating level

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

1 **While no source is selected, touch "Source List," then** 🧰**.**

2 **Touch "Visual."**
The visual setting menu appears.

3 **Touch ▲/▼ to scroll, then touch "DVD Parental Area."**
When parental control is already activated, the display to enter your password appears. To change the setting, enter your password. The options appear.

4 **Touch the desired area to apply its movie ratings.**
When you select "Other," enter the area code by selecting from "Area code list" on page 71 using the number keys.

5 **Touch "DVD Parental Rating."**
The options appear.
The lower the number, the stricter the restriction level.

6 **Touch the desired rating.**
The setting is complete.

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

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	**"OFF"**: Returns to normal play mode. **"Chapter"**: Repeats the current chapter. **"Title"**: Repeats the current title.
VCD *[1] C D	**"OFF"**: Returns to normal play mode. **"Track"**: Repeats the current track.
MP3 WMA AAC	**"OFF"**: Returns to normal play mode. **"Track"**: Repeats the current track. **"Album"**: Repeats the current album (folder).
JPEG	**"OFF"**: Returns to normal play mode. **"Image"**: Repeats the current image. **"Album"**: Repeats the current album.
Xvid MPEG-4	**"OFF"**: Returns to normal play mode. **"Movie"**: Repeats the current video file. **"Album"**: Repeats the current album (folder).

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

Disc/format	Options
DVD *2	**"OFF"**: Returns to normal play mode. **"Title"**: Plays chapters in the current title in random order.
VCD *1 **C D**	**"OFF"**: Returns to normal play mode. **"Disc"**: Plays tracks in the current disc in random order.
MP3 **WMA** **AAC** **JPEG** **Xvid** **MPEG-4**	**"OFF"**: Returns to normal play mode. **"Album"**: Plays tracks/images/video files in the current album (folder) in random order.

*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

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

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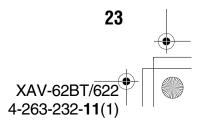
Setting the search item (DVD only)
You can set the search item (title or chapter) for DVD playback.

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."

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USB Device Operations

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

Support site

http://esupport.sony.com
http://www.sony.com/mobileAV

- 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.

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 12).

About the playback controls and indications
You can control USB playback in the same way as disc playback. For details, see "Playback controls" on page 18.
For details on playback indications, see "Playback indications" on page 19.

To stop playback
Press and hold (SOURCE/OFF) for 1 second.

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

Notes on use
- *Do not use USB devices so large or heavy that they may fall down due to vibration, or cause a loose connection.*
- *Do not leave a USB device in a parked car, as malfunction may result.*
- *This unit cannot recognize USB devices via a USB hub.*
- *Be sure to use the USB cable supplied with the device if a cable is needed when making a USB connection.*

Notes on playback
- *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 31.*
- *Displayed indications will differ, depending on the USB device, recorded format and settings. For details, visit the support site.*
- *The maximum number of displayable data is as follows:*
  – folders (albums): 256
  – files (tracks): 2,000
- *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."

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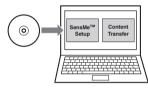
Enjoying music according to your mood — SensMe™

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.

❶ **Installing "SensMe™ Setup" and "Content Transfer" to your computer**
First install "SensMe™ Setup" and "Content Transfer" from the supplied CD-ROM.

❷ **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.

❸ **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."

❹ **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

Use of the supplied software ("SensMe™ Setup" and "Content Transfer") is required to enable the SensMe™ function on this unit.
Install the software to your computer from the supplied CD-ROM.

1 Insert the supplied CD-ROM into your computer.
The Installation Wizard runs automatically.

2 Follow the on-screen instructions to complete the installation.

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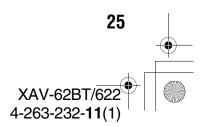00US+00COV-U.book Page 26 Monday, November 15, 2010 9:38 AM

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.

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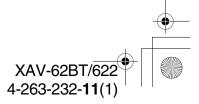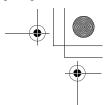
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Channel list

■ 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 56) 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

Ⓐ To display the control keys: "Source List," "ATT," "Top." (page 18)
Ⓑ To scroll the list and select another channel.
Ⓒ Indicates the current channel.
Ⓓ Indicates the album artwork display*1.
Ⓔ Indicates the elapsed playback time, track name and artist name.
Ⓕ To pause/resume play after pause.
Ⓖ To skip a track.
Ⓗ To enter ZAPPIN mode. (page 31)
During ZAPPIN playback of "SensMe™ channels," 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.*

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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.

Circle

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

A To display the control keys: "Source List," "ATT," "Top." (page 18)
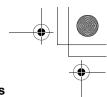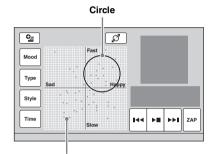**B** To move the circle and regroup tracks.
C To change the size of the circle: small, medium, or large.
D Indicates the album artwork display*[1].
E Indicates the elapsed playback time, track name and artist name.
F To change parameters on the horizontal axis.
G To skip a track.
H To pause/resume play after pause.
I To enter ZAPPIN mode. (page 31)
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"

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iPod Operations

For details on the compatibility of your iPod, see "About iPod" on page 62 or visit the support site.

Support site

http://esupport.sony.com
http://www.sony.com/mobileAV

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.
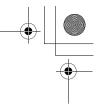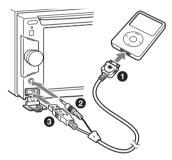
The following display appears on the iPod screen*[2], then playback starts from the item last played.
If an iPod is already connected, to start playback, touch "Source List," then "iPod/USB."

*[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 control.

3 Adjust the volume on this unit.

About playback controls and indications

You can control iPod playback in the same way as disc playback. For details, see "Playback controls" on page 18.
For details on playback indications, see "Playback indications" on page 19.

To stop playback
Press and hold (SOURCE/OFF) for 1 second.

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

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.
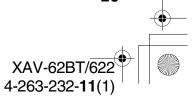
For audio playback
"ALBUM," "TRACK," "GENRE," "PLAYLIST," "ARTIST," "MUSIC PODCAST"*

For video playback
"MOVIE," "RENTAL," "TV SHOW," "MUSIC VIDEO," "VIDEO PLAYLIST," "VIDEO PODCAST"*

* *May not appear depending on iPod setting.*

1 During playback, touch "List."

2 Touch "MUSIC" or "VIDEO."

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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"/"MUSIC PODCAST"/"ARTIST"/
"PLAYLIST"/"GENRE"*****:** Repeats the current
item of the selected play mode.

For video playback

"OFF": Returns to normal play mode.
"TRACK": Repeats the current video.
**"RENTAL"/"TV SHOW"/"MUSIC VIDEO"/
"VIDEO PLAYLIST"/"VIDEO
PODCAST"*****:** Repeats the current item of the
selected play mode.

The shuffle options are as follows:

For audio playback

"OFF": Returns to normal play mode.
**"ALBUM"/"MUSIC PODCAST"/"ARTIST"/
"PLAYLIST"/"GENRE"*****:** Plays tracks of the
selected play mode in random order.
"Device": Plays all tracks in an iPod in random
order.

* *Differs depending on the selected play mode.*

Note
*Displayed options may not conform to actual
operation.*

Operating an iPod directly — Passenger control

You can directly operate an iPod connected to
this unit.

**1 During playback, touch "Play Menu,"
then the "Passenger Control" box to
set to "ON."**

Deactivating the passenger control
Touch the "Passenger Control" box to set to
"OFF."
The play mode changes to resuming mode.

To close the play menu, touch "Play Menu."

Notes
• *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 setting will be off if the passenger control
mode is canceled.*

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Useful Functions

Listing up tracks/images/video files — List

Selecting a track/image/video file

CD　　**MP3**　　**WMA**　　**AAC**　　**JPEG**

Xvid　　**MPEG-4**

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

1 During playback, touch "List."
The list of categories or files from the currently played item appears.

Contents List
| ♫ File 01 |
| ♫ File 02 |
| ▶ File 03 |
| ♫ File 04 |
| ♫ File 05 |
| ♫ File 06 |

Page position bar

To move to the upper level, touch ⬆.
To scroll the list, touch ▲/▼.
To jump pages, touch the page position bar.

2 Touch the desired item.
Playback starts.

Selecting a file type

MP3　　**WMA**　　**AAC**　　**JPEG**　　**Xvid**

MPEG-4

If the disc/USB device contains multiple file types, only the selected file type (audio/video/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 "List."

2 Touch ⊕̲ , then "Audio," "Image," or "Video" to select the file type.

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

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

CD　　**MP3**　　**WMA**　　**AAC**

While playing short track passages from a disc or 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.
The passage is played for the set time, and a beep sounds before the next passage starts.

"ZAP" touched.

The playback section of each track in ZAPPIN mode.

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 25.

* *May not be detected correctly.*

Tips
• *You can change the playback time (page 55), but cannot select the track passage to play.*
• *You can deactivate the beep sound between track passages (page 55).*

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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 ▶▶▎.)
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" +.)
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" –.)

To view the instructions on Gesture Command
Touch 🔲 when it is displayed in the top right corner of the display.

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Handsfree Calling and Audio Streaming — Bluetooth (XAV-62BT only)

Before using the Bluetooth function

Bluetooth functions and descriptions apply only to XAV-62BT.

Basic procedure of the Bluetooth function

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

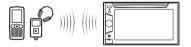*Note*
If you delete the device registration from this unit, you need to perform pairing again.
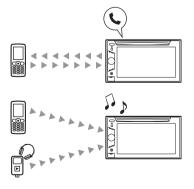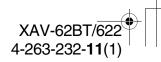
❷ **Connecting**
After pairing is made, connect this unit and the Bluetooth device. Depending on the device, connection is automatically made along with the pairing.

❸ **Handsfree calling/audio streaming**
You can make/receive a handsfree call, or listen to audio through this unit.

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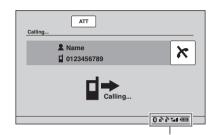
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For details on the compatibility of your device, visit the support site.

Support site

http://esupport.sony.com
http://www.sony.com/mobileAV

Bluetooth status indications

Bluetooth status indications

⓫	**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.

Installing the microphone (XAV-62BT 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, you need to perform pairing again.*
[2] *Passkey may be called "passcode," "PIN code," "PIN number," "password," etc., depending on the Bluetooth device.*

Tip
You can pair up to 9 devices.

Searching from this unit

Check that the other Bluetooth device discoverable (set to allow for searching) beforehand.

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.

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3 **Touch "Search."**
A search for connectable Bluetooth devices starts.*1*2
After the search is complete, the list of detected devices*3 appears.
*1 *If the Bluetooth signal of this unit is off, it activates automatically when searching starts.*
*2 *Search time varies depending on the number of connectable devices.*
*3 *The name or address (if name is unavailable) of detected devices is displayed.*

4 **Touch the device to connect.**

5 **Select the connection type.**
Touch "Handsfree Connect" to use for handsfree calling.
Touch "Audio Connect" to use for audio streaming.
Pairing starts and the passkey input display appear.

6 **Touch the number keys to enter the passkey, then touch "OK."**
Also perform the required operation on the other Bluetooth device.
Pairing is complete and this unit is connected to the other Bluetooth device.
When connection is made successfully, $\mathbb{N}$ or $\mathbb{N}$ appears at the bottom of the display.

Searching from the Bluetooth device

The procedure to search for this unit from the other Bluetooth device is explained below.
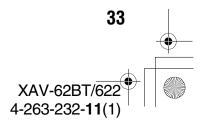
1 **Select the Bluetooth source.**
To select Bluetooth Phone, press (TOP), then touch "BT Phone" in the top menu.
To select Bluetooth Audio, touch "Source List," then "BT Audio."

2 **Touch "BT Menu."**
In the case of Bluetooth Audio, touch "Play Menu," then "BT Menu."
The Bluetooth setting menu appears.

3 **Touch "Signal," then "Yes" to set "Signal" to "ON."**
The Bluetooth signal of this unit is activated.

4 **Touch "Discoverable" to set to "Show."**
This unit is ready to be detected by the other Bluetooth device.

5 **Start searching for this unit from the other Bluetooth device.**
After the search is complete, this unit appears as "Sony Automotive"* in the list of the other Bluetooth device.
* *Can be changed in the Bluetooth setting (page 42).*

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

6 **Touch the number keys to enter the passkey, then "OK."**
Pairing is complete and this unit is connected to the other Bluetooth device.
When connection is made successfully, $\mathbb{N}$ or $\mathbb{N}$ appears at the bottom of the display.

Notes
- *While connecting to a Bluetooth device, this unit cannot be detected from another device. To enable detection, disconnect the current connection.*
- *Depending on the device, searching from this unit may not be possible. In this case, search for this unit from the other device.*
- *If you search from this unit and another device at the same time, this unit will not recognize the other device.*
- *It may take time to search or connect.*
- *Depending on the device, the connection confirmation display may appear before inputting the passkey.*
- *The time limit for inputting the passkey differs depending on the device.*
- *This unit cannot be connected to a device that supports only HSP (Head Set Profile).*

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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 42) and the other 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 "Device List."
The list of registered Bluetooth devices appears.
To scroll the list, touch ▲/▼.

4 Touch the device to connect.

5 Select the connection type.
Touch "Handsfree Connect" to use for handsfree calling.
Touch "Audio Connect" to use for audio streaming.
Connection is complete.
When connection is made successfully, 📶 or 📶 appears at the bottom of the display.
In the device list, the currently connected device is indicated by the icon at the head of its name.

To connect from the other Bluetooth device

Operate the other Bluetooth device to connect to this unit.
When connection is made successfully, 📶 or 📶 appears at the bottom of the display.

To disconnect

1 Follow steps 1 to 3 above.

2 Touch the currently connected device, then "Handsfree Disconnect" or "Audio Disconnect."

To delete all registrations

1 Follow steps 1 to 3 above.

2 Touch "Delete All," then "Yes" to confirm.

To delete an individual registration

1 Follow steps 1 to 3 above.

2 Touch the device to delete, then touch "Delete this device from List."

3 Touch "Yes" to confirm.

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

Touch "Source List," "BT Audio," then "Connect."

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

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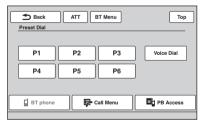
Handsfree calling

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

Making calls

By dialing a phone number

1 Press (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.

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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.

```
              ┌──────┐
              │ ATT  │
              └──────┘
Calling...
┌────────────────────────────┐  ┌───┐
│ 👤 Name                     │  │ ✕ │
│ 📱 0123456789               │  └───┘
└────────────────────────────┘

              📱➡
              Calling...
```

By the phonebook
For details on how to manage the phonebook data, see "Phonebook management" on page 38.

1 Press (TOP), then touch "BT Phone" in the top menu.
The Bluetooth Phone display appears.

2 Touch "Call Menu," then "Phonebook."
The phonebook appears.

3 Select the desired contact.

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

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

❸ 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.

Tip
You can also browse the phonebook of the connected cellular phone on this unit and make a call (page 39).

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

1 Press (TOP), then touch "BT Phone" in the top menu.
The Bluetooth Phone display appears.

2 Touch "Call Menu," then "Recent Call."
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.

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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 40.

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

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

1 Press (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.

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.*

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.

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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 42).*
- *You can set to use the ringtone of the cellular phone or this unit (page 42).*

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 scroll, then touch "MIC Gain."

3 Touch –/+ to adjust the level.
The level is adjustable in single steps, between –2 and +2.

4 Touch "Back" repeatedly to return to the previous displays.

To end a call
Touch ✖.

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LaES(FM7.1_600dpi)\4263232111_XAV-62BT-622_CaFR-LaES\01US_XAV-
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Phonebook management

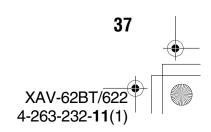You can store up to 300 contacts in the phonebook and up to 5 phone numbers can be registered to each contact.

Notes
- *Prior to disposal or changing ownership of your car with this unit still installed, be sure to press the reset button to erase all the phonebook data in this unit to prevent possible unauthorized access.*
  Disconnecting the power supply lead will also erase all the phonebook data.
- *Downloaded phonebook data from a cellular phone cannot be overwritten by subsequent data. However, some data (name, etc.), may be duplicated as a result.*
- *Phonebook data may be lost if this unit is damaged.*
- *When disposing of this unit, delete the phonebook data by initializing (page 42).*

Storing phonebook data

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

1 Press (TOP), then touch "BT Phone" in the top menu.
The Bluetooth Phone display appears.

2 Touch "PB Access."
The phonebook access menu appears.

3 Touch "Access" to select the memory where phonebook data is stored.
To download the data from a cellular phone's internal memory, set to "Memory."
To download the data from the SIM card, set to "SIM."

4 Touch "Phonebook Download."
When downloading is complete, "Complete" appears and the phonebook data is stored on this unit.

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

1 Press (TOP), then touch "BT Phone" in the top menu.
The Bluetooth Phone display appears.

2 Touch "Call Menu," then "Receive Phonebook."
This unit is ready for receiving phonebook data.

3 Send the phonebook data by operating the connected cellular phone.
When receiving is complete, "Complete" appears and the phonebook data is stored on this unit.

To add a contact by entering the name and number

1 Press (TOP), then touch "BT Phone" in the top menu.
The Bluetooth Phone display appears.

2 Touch "Call Menu," then "Phonebook."
The phonebook appears.

3 Touch "Add Contact."
The contact registration display appears.

↩ Back	ATT		Top
Add Contact			
👤 Empty		✏	▲
Empty		✏	1/1
			▼
	Add to Phonebook?		

4 Touch "Empty" on the first line.
The name input display appears.

5 Touch the character keys to enter the name, then touch "OK."
For details on how to use the keyboard, see "About the keyboard to edit the name" on page 40.
The contact registration display reappears.

6 Touch "Empty."
The number input display appears.

7 Touch the number keys to enter the phone number, then touch "OK."
The phone number type selection display appears.

8 Touch the desired phone number type.
The contact registration display reappears.
To enter other phone numbers, repeat steps 6 to 8.

9 Touch "Add to Phonebook?"
The contact is added to the phonebook.

To add a contact from the call history

1 Press (TOP), then touch "BT Phone" in the top menu.
The Bluetooth Phone display appears.

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2 **Touch "Call Menu," then "Recent Call."**
The call history list appears.
To scroll the list, touch ▲/▼.

3 **Touch the item to add to the phonebook.**
The contact confirmation display appears.

4 **Touch "Save to Phonebook."**
The name input display appears.

5 **Touch the character keys to enter the name, then touch "OK."**
For details on how to use the keyboard, see "About the keyboard to edit the name" on page 40.
The contact is added to the phonebook.

Browsing a phonebook in a cellular phone

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

1 **Press (TOP), then touch "BT Phone" in the top menu.**
The Bluetooth Phone display appears.

2 **Touch "PB Access."**
The phonebook access menu appears.

3 **Touch "Access" to select the memory where phonebook data is stored.**
To browse the data in a cellular phone's internal memory, set to "Memory."
To browse the data on the SIM card, set to "SIM."

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

5 **Select the desired contact.**

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

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

❸ In the number list, touch the phone number.

The contact confirmation display appears.

To call the contact
Touch the phone number to call, then touch "Yes" to confirm.

To add the contact to this unit's phonebook
Touch "Save to Phonebook," then touch "Yes" to confirm.

Deleting phonebook data

To delete all phonebook data on this unit

1 **Press (TOP), then touch "BT Phone" in the top menu.**
The Bluetooth Phone display appears.

2 **Touch "Call Menu," then "Phonebook."**
The phonebook appears.

3 **Touch "Delete All."**
The confirmation display appears.

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

To delete an individual contact from the phonebook

1 **Follow steps 1 to 2 above.**

2 **Select the contact to delete.**

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

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

3 **Touch "Delete Contact."**
The confirmation display appears.

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

Editing a contact

1 **Press (TOP), then touch "BT Phone" in the top menu.**
The Bluetooth Phone display appears.

2 **Touch "Call Menu," then "Phonebook."**
The phonebook appears.

3 **Select the contact to edit.**

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

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

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4 **Touch the desired edit option.**

Do this	To
Touch "Edit Name"	edit the name of the contact. Enter the new name, then touch "OK."
Touch "Add Number"	add the phone number to the contact. Enter the phone number, then touch "OK."
Touch the phone number in the list	delete the selected phone number. Touch "Delete Number," then "Yes."

About the keyboard to edit the name

Do this	To
Touch "ABC" or "abc"	change the case.
Touch the desired character key	enter the character.
Touch "123"	switch to the numeric keyboard.
Touch the desired number/symbol key	enter the number/symbol.
Touch "Space"	enter a space.
Touch ⌫	delete a character.
Touch "OK"	complete the name edit.

Call data management

Call history

You can delete the items in the call history.

To delete all items in 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."**
The call history list appears.

3 **Touch "Delete All."**
The confirmation display appears.

4 **Touch "Yes."**
All items in the call history are deleted.

To delete an individual item in the call history

1 **Follow steps 1 to 2 above.**

2 **In the list, touch the item to delete.**
The contact confirmation display appears.

3 **Touch "Delete Number."**
The confirmation display appears.

4 **Touch "Yes."**
The selected item is deleted from the call history.

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."**
The phonebook appears.

3 **Select the contact to store in the preset dial.**

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

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

❸ In the number list, touch the phone number.

The contact confirmation display appears.

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4 Touch "Preset Memory," then the desired preset number ("P1" to "P6").
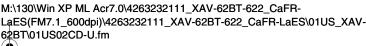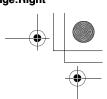The contact is stored to the selected preset number.

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."
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 "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.

Locking personal information

To prevent unauthorized access to personal information, you can lock call data by setting a 4-digit code.
Once locked, you need to enter the code to access the items in the call menu.

1 Press (TOP), then touch "BT Phone" in the top menu.
The Bluetooth Phone display appears.

2 Touch "Call Menu," then "PIM Security."
The confirmation display appears.

3 Touch "Yes."
The code setting display appears.

4 Touch the number keys to enter your code, then touch "OK."

5 To confirm, touch the number keys to reenter your code, then touch "OK."
The setting is complete.

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

Unlocking the call data

1 Follow steps 1 to 2 above.
The confirmation display appears.

2 Touch "Yes."
The unlock display appears.

3 Touch the number keys to enter your code.
"Complete" appears, and the call data is unlocked.

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 35).

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 18), except for the following:

Do this	To
Touch "Play Menu" → "BT Menu"	open the Bluetooth setting menu (page 42).
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 ▶II twice to start/pause the playback.*
- *During audio streaming, some indications such as track name, etc., may not appear on this unit.*

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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."

"Discoverable"[*1] (page 34)
Allows the other Bluetooth device to search for this unit: "Show," "Hide."

"Device Name"[*1]
Changes the name of this unit displayed on the connected device. (Default setting: "Sony Automotive")
For details on basic operation of the keyboard, see "About the keyboard to edit the name" on page 40.

"Search"[*1] (page 33)
Searches for connectable Bluetooth devices.

"Device List"[*1] (page 35)
Displays the list of registered devices; connects to a registered device; deletes all registrations.

"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 Canceller/Noise Canceller Mode)
Reduces echo and noise during a call.
For normal use, set to "Mode 1."
If the outgoing sound quality is unsatisfactory, set to "Mode 2" or "OFF."

"MIC Gain" (page 37)
Adjust the microphone volume for the other party: –2 ~ +2.
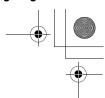
"Initialize"[*1]
Initializes all Bluetooth-related settings. Touch "Yes" to confirm.

[*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.

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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").
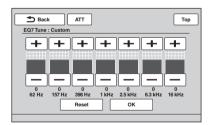
1 During reception/playback, touch "Source List," then 🧰.

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: 62 Hz, 157 Hz, 396 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.

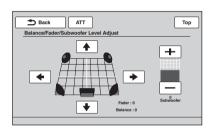To return to the previous display, touch "Back."

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.

Note
The subwoofer appears only when "Rear/Sub Out" is set to "Sub" (page 52).

4 Touch ←/↑/↓/→ to adjust the balance/fader.
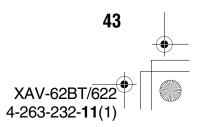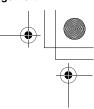The level is adjustable in single steps between –15 and +15 (Balance)/–15 and +15 (Fader).

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 52).
The level is adjustable in single steps, between –6 and +6.

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

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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 44)
"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 52).
– 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 **Set the listening position.**
   Touch "Front L," "Front R," "Front," "All," or "Custom."

5 **Set the subwoofer position.**
   If "Rear/Sub Out" is set to "Sub" (page 52) 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 52).

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

5 **Touch "OK."**
   The setting is complete.

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

Note
The setting is applied only after "OK" is touched.

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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 54), 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 52) 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 ▲/▼ 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 52).*

1 **While no source is selected, touch "Source List," then 🧰.**

2 **Touch "Sound."**
The sound setting menu appears.

3 **Touch ▲/▼ to scroll, then touch "4.1ch Speaker Level."**
The setting display appears.

Note
The subwoofer appears and the subwoofer key is available only when "Rear/Sub Out" is set to "Sub" (page 52).

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."

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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 the screen theme, visualizer and picture brightness for the background screen according to your preference.

1 **Touch "Source List," then 🧰.**

2 **Touch "Screen."**
The screen setting menu appears.

3 **Touch "Screen Select."**
The options appear.

4 **Select the screen theme.**
Touch "Screen Theme," then the desired type.

5 **Select the visualizer.**
Touch "Visualizer," then the desired type.

6 **Select the picture brightness.**
Touch "Day / Night mode," then one of the following options.

"Auto": Switches the brightness automatically when you turn the lights on. (Available only when the illumination control lead is connected.)
"Always Day": Fixes the brightness suitable for daytime use.
"Always Night": Fixes the brightness suitable for nighttime use.

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 47).

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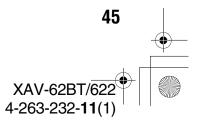*This setting is available only when the parking brake is set.*

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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.

⤺ Back	ATT		Top
Picture EQ : Custom Tune			
Warm	✚	✚	
Normal			
Cool	▬	▬	
Color Tone	Brightness 0	Color 0	

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.
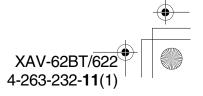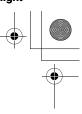
1 During video/image playback, touch "Source List," then ⚒.

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.

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Settings

The setting menu includes the following categories.
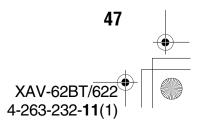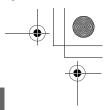
- **"General"**: General settings (page 49)
- **"Sound"**: Sound settings (page 51)
- **"Screen"**: Screen settings (page 53)
- **"Visual"**: DVD and other playback settings (page 54)

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-62BT only: From the top menu, touch 🧰.)
The setting menu appears.

Back	ATT			Top
Security Control	Locked			▲
Clock Adjust		►		
Auto OFF	No			1/4
CT	OFF / ON			▼
Output Color System	NTSC / PAL			
General	Sound	Screen	Visual	

2 **Touch "Screen."**
The screen setting display appears.

Back	ATT			Top
Screen Select		►		▲
Picture EQ	Dynamic			
Aspect	Full			1/1
Clock	OFF / ON			▼
Demo	OFF / ON			
General	Sound	Screen	Visual	

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."

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LaES(FM7.1_600dpi)\4263232111_XAV-62BT-622_CaFR-LaES\01US_XAV-
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General settings

Touch 🧰 ➜ "General" ➜ the desired item ➜ the desired option. For details on this procedure, see "Basic setting operation" on page 48.

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

Item	Option	Purpose	Unit status
Security Control (page 56)	–	–	Any status
Clock Adjust (page 56)	–	–	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.	
CT (Clock Time) (page 16, 17)	**ON**	To activate the CT function.	Any status
	OFF (●)	To deactivate the CT function.	
Output Color System Changes the color system according to the connected monitor. (SECAM is not supported.)	**PAL**	To set to PAL.	No source selected
	NTSC (●)	To set to NTSC.	
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 46)	–	–	Any status
Beep	**ON (●)**	To activate the operation sound.	Any status
	OFF	To deactivate the operation sound.	
Language	**English (●), Español, Русский**	To select the display language.	No source selected
Key Illumination	**ON (●)**	To turn on the button illumination.	Any status
	OFF	To turn off the button illumination.	

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Item	Option	Purpose	Unit status
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.	
Front AUX Input (page 57) Sets whether or not an audio device's input signals are detected via the front AUX input.	**Audio (●)**	To activate the AUX input.	No source selected
	OFF	To deactivate the AUX input.	
Rear AUX Input* (page 57) Sets the type of device connected to the rear AUX terminals to switch the background screen accordingly.	**Video (●)**	To display the picture from the connected device.	No source selected
	Audio	To display this unit's background screen.	
	OFF	To deactivate the AUX input.	
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.	
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 59)	–	–	Any status

* 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.

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Sound settings

Touch 🧰 → "Sound" → the desired item → the desired option. For details on this procedure, see "Basic setting operation" on page 48.

For details, see the pages listed below. "●" indicates the default setting.
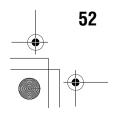
Item	Option	Purpose	Unit status
EQ7 (page 43)	**OFF (●)**	To cancel the equalizer curve.	During reception/ playback
	Xplod, Vocal, Edge, Cruise, Space, Gravity, Custom	To select the equalizer curve; customize the equalizer curve.	
Balance/Fader (page 43)	**Balance: (–15 ~ +15) Fader: (–15 ~ +15) ●: 0**	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 44) 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 44).	
	Subwoofer: Near, Normal (●), Far	To select the subwoofer position. (Available only when "Rear/Sub Out" is set to "Sub" (page 52), and the listening position is set to "Front L," "Front R," "Front," or "All.")	
CSO (Center Speaker Organizer) (page 45) Sets the virtual center speaker mode.	**OFF (●), CSO1, CSO2, CSO3**	To select the mode.	During disc/USB playback

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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 45) 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 45)	–	–	No source selected

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Screen settings

Touch 🧰 ➜ "Screen" ➜ the desired item ➜ the desired option. For details on this procedure, see "Basic setting operation" on page 48.

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

Item	Option	Purpose	Unit status
Screen Select (page 46)	–	–	Any status
Picture EQ* (page 46)	**Dynamic (●), Standard, Theater, Sepia**	To select the picture quality.	During video/image playback
	Custom 1, Custom 2	To customize the picture quality.	
Aspect* (page 47)	**Full (●), Normal, Wide, Zoom**	To select the screen aspect ratio.	During video/image playback
Clock Displays/hides the clock in the bottom right corner of the display.	**ON (●)**	To display the clock.	Any status
	OFF	To hide the clock.	
Demo	**ON (●)**	To activate the demonstration.	No source selected
	OFF	To deactivate the demonstration.	

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

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DVD and other playback settings

Touch ⚙ → "Visual" → the desired item → the desired option. For details on this procedure, see "Basic setting operation" on page 48.

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.	
* *Excluding DVD-R/DVD-R DL/ DVD-RW in VR mode.*			
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 Parental Control (page 21)	–	To lock/unlock a disc.	No source selected
DVD Parental Rating (page 22)	–	To set the restriction level based on the selected area.	No source selected
DVD Parental Area (page 22)	–	To set the restriction standard by area.	No source selected
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 23) Sets the search item for DVD direct search play.	**Chapter (●)**	To search for a chapter.	Any status
	Title	To search for a title.	

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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.	
ZAPPIN Time (page 31)	**6sec, 15sec (●), 30sec**	To select the playback time for the ZAPPIN function.	During audio playback
ZAPPIN Tone (page 31)	**ON (●)**	To have the beep sound between track passages.	During audio playback
	OFF	To deactivate the beep sound.	
Multi Disc Resume	**ON (●)**	To store the resume settings in memory for up to 5 video* discs. * *DVD VIDEO/VCD/Xvid/ MPEG-4 only.*	No source selected
	OFF	To not store the resume settings in memory. Resume playback is available only for the current disc in the unit.	
USB Resume	**ON (●)**	To store resume settings in memory for Xvid/MPEG-4 files in the USB device.	No source selected
	OFF	To not store the resume settings in memory.	
JPEG Slide Show	**5sec (●), 20sec, 60sec, Fixed**	To select the slide show interval.	No source selected
Video CD PBC (page 20)	**ON (●)**	To play a VCD with PBC functions.	No source selected
	OFF	To play a VCD without PBC functions.	

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

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Setting the security code

This unit has a security function to discourage theft. Enter a 4-digit number as your security code.
Once the security function is activated, you need to enter the security code to turn on the unit after re-installing the unit in another car or charging the battery.

Activating the security function

1 Touch "Source List," then 🧰.
The general setting menu appears. If not, touch "General."

2 Touch "Security Control."
The security code setting display appears.

3 Touch the number keys to enter your security code, then touch "OK."

4 To confirm, touch the number keys to reenter your security code, then touch "OK."
The setting is complete.

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

The 4-digit input prompt appears when you turn on the unit after re-installing in another car or charging the battery. Touch the number keys to enter your security code.

Deactivating the security function

1 Follow steps 1 to 2 above.
The security unlock display appears.

2 Touch the number keys to enter your security code.
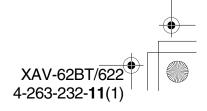"Unlocked" appears, and the security function is deactivated.

Setting the clock

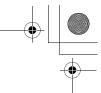The clock uses a 12-hour indication.

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."

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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 **Touch –/+ in the "Level" box repeatedly to adjust the level.**
The level is adjustable in single steps, between –8 and +18.

Setting the type of device

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

1 **While no source is selected, touch "Source List," then ⚒.**
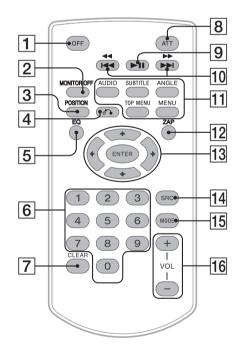The general setting menu appears. If not, touch "General."

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."
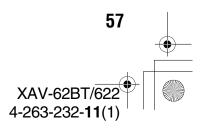The setting is complete.

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.

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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 23
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 ►II **(Play/Pause) button**

10 **I◄◄ ◄◄/►►►►I buttons**
Radio:
Press to tune to stations automatically.
Press and hold to find a station manually.
Disc*2**/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 17
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.

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 18).*
*3 *Operation differs depending on the connected Bluetooth device.*
*4 *Applies to XAV-62BT 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 *"BT Audio" (Bluetooth Audio) is available only on XAV-62BT.*
*7 *When two auxiliary devices are used.*
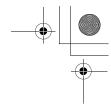*8 *When two or more external devices are used.*

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.

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LaES(FM7.1_600dpi)\4263232111_XAV-62BT-622_CaFR-LaES\01US_XAV-
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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 50).

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 50).
– 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
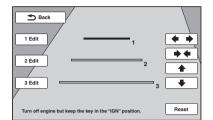Touch "Marker."
Touch "Marker" again to hide the marker lines.

Reversing the picture
Touch "Mirror."
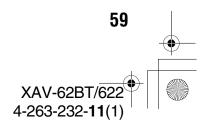A mirror-reversed picture appears.

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."

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LaES(FM7.1_600dpi)\4263232111_XAV-62BT-622_CaFR-LaES\01US_XAV-
62BT\01US02CD-U.fm

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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 ℃ (41 – 113 ℉).
- 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 61).
- 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).

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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 31.*

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.

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LaES(FM7.1_600dpi)\4263232111_XAV-62BT-622_CaFR-LaES\01US_XAV-
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About MPEG-4 files

MPEG-4 files meeting the following
requirements can be played. Playback is not be
guaranteed for all MPEG-4 files meeting the
requirements.
• Profile: MPEG-4 Simple profile
• Bit rate: Max. 7 Mbps on USB FS, 10 Mbps on
  DVD, 7 Mbps on CD
• Frame rate: Max. 30 fps
• Image size: Max. 720 × 480 pixels
• Audio: Max. 320 kbps (AAC-LC)
• File extension: .mp4

About iPod

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

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

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

• "Made for iPod" and "Made for iPhone" mean that
  an electronic accessory has been designed to
  connect specifically to iPod or iPhone
  respectively, and has been certified by the
  developer to meet Apple performance standards.
• Apple is not responsible for the operation of this
  device or its compliance with safety and
  regulatory standards.

About Bluetooth function
The following applies only to XAV-62BT.

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
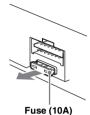 communicating using Bluetooth wireless
  technology.

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- We do not take any responsibility for the leakage of information during Bluetooth communication.
- Connection with all Bluetooth devices cannot be guaranteed.
  – A device featuring Bluetooth function is required to conform to the Bluetooth standard specified by Bluetooth SIG, and be authenticated.
  – Even if the connected device conforms to the above mentioned Bluetooth standard, some devices may not be connected or work correctly, depending on the features or specifications of the device.
  – While talking on the phone handsfree, noise may occur, depending on the device or communication environment.
- Depending on the device to be connected, it may require some time to start communication.

Others
- Using the Bluetooth device may not function on cellular phones, depending on radio wave conditions and location where the equipment is being used.
- If you experience discomfort after using the Bluetooth device, stop using the Bluetooth device immediately. Should any problem persist, consult your nearest Sony dealer.

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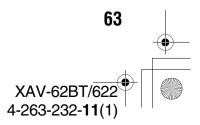
Maintenance

Replacing the lithium battery of the remote commander (not supplied)
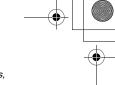Under normal conditions, the battery will last approximately 1 year. (The service life may be shorter, depending on the conditions of use.)
When the battery becomes weak, the range of the remote commander (not supplied) becomes shorter. Replace the battery with a new CR2025 lithium battery. Use of any other battery may present a risk of fire or explosion.

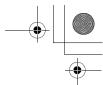**+ side up**

Notes on the lithium battery
- *Keep the lithium battery out of the reach of children. Should the battery be swallowed, immediately consult a doctor.*
- *Wipe the battery with a dry cloth to assure a good contact.*
- *Be sure to observe the correct polarity when installing the battery.*

- *Do not hold the battery with metallic tweezers, otherwise a short-circuit may occur.*

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

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

Fuse (10A)

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Specifications

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

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

AUDIO POWER SPECIFICATIONS

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

Monitor section

Display type: Wide LCD color monitor
Dimensions: 6.1 in
System: TFT active matrix
Number of pixels:
1,152,000 pixels (800 × 3 (RGB) × 480)
Color system:
PAL/NTSC/SECAM/PAL-M automatic select

Tuner section

FM

Tuning range: 87.5 – 107.9 MHz
Antenna (aerial) terminal:
External antenna (aerial) connector
Intermediate frequency: 150 kHz
Usable sensitivity: 10 dBf
Selectivity: 75 dB at 400 kHz
Signal-to-noise ratio: 70 dB (mono)
Separation: 40 dB at 1 kHz
Frequency response: 20 – 15,000 Hz

AM

Tuning range: 530 – 1,710 kHz
Antenna (aerial) terminal:
External antenna (aerial) connector
Intermediate frequency: 25 kHz
Sensitivity: 26 μV

DVD/CD Player section

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

USB Player section

Interface: USB (Full-speed)
Maximum current: 500 mA

Wireless Communication[*1]

Communication System:
Bluetooth Standard version 2.0 + 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-62BT 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 × 4 (at 4 ohms)

General

Outputs:
Video output terminal (rear)
Audio output terminals (rear/sub switchable)
Power antenna (aerial) relay control terminal
Power amplifier control terminal
Inputs:
Telephone ATT control terminal
Illumination control terminal
BUS control input terminal
Remote controller input terminal
Antenna (aerial) input terminal
Parking break control terminal
Microphone input terminal (XAV-62BT 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 × 100 × 170 mm (7 $\frac{1}{8}$ × 4 × 6 $\frac{3}{4}$ in) (w/h/d)
Mounting dimensions: Approx. 182 × 111 × 164 mm (7 $\frac{1}{4}$ × 4 $\frac{3}{8}$ × 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-62BT only)
CD-ROM (Application disc)
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, RC-200IPV
HD Radio™ tuner: XT-100HD
Rear View Camera: XA-R800C

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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 (ALL) can also be played.

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

System requirements for the software in the supplied CD-ROM

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)
• CD-ROM drive
• USB port

OS
Windows XP, Windows Vista, Windows 7

For details on compatible editions or Service Packs, visit the following support site:
http://esupport.sony.com
http://www.sony.com/mobileAV

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.*

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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 following support site.

Support site

http://esupport.sony.com
http://www.sony.com/mobileAV

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 49).
- 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 49).
- 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 13).
  → 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 46).

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 13).

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 57).

"Front AUX" cannot be selected.
An iPod is connected via the USB connector.
→ Disconnect the iPod (page 29).

Radio reception

The stations cannot be received.
The sound is hampered by noises.
- The connection is not correct.
  → Connect a power antenna (aerial) control lead (blue) or accessory power supply lead (red) to the power supply lead of a car's antenna (aerial) booster (only when your car has built-in FM/AM antenna (aerial) in the rear/side glass).
  → Check the connection of the car antenna (aerial).
  → If the auto antenna (aerial) will not 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.
- Setting of the local seek mode is not correct.
  → Tuning stops too frequently:
    Set "Local" to "ON" (page 15).
  → Tuning does not stop at a station:
    Set "Mono" to "ON" (page 15).
- The broadcast signal is too weak.
  → Perform manual tuning.

During FM reception, the "Stereo" indication flashes.
- Tune precisely to the desired frequency.
- The broadcast signal is too weak.
  → Set "Mono" to "ON" (page 15).

An FM program broadcast in stereo is heard in monaural.
The unit is in monaural reception mode.
→ Set "Mono" to "OFF" (page 15).

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.

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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 49).
• The picture of the rear view camera is displayed on this unit.
  → No picture appears in the rear monitor if the picture of the rear view camera is displayed on this unit.

Sound

There is no sound/sound skips/sound cracks.
• A connection has not been made correctly.
• Check the connection to the connected equipment, and set the input selector of the equipment to the source corresponding to this unit.
• The disc is defective or dirty.
• Installation is not correct.
  → Install the unit at an angle of less than 45° in a sturdy part of the car.
• The MP3 file sampling rate is not 32, 44.1, or 48 kHz.
• The WMA file sampling rate is not 32, 44.1, or 48 kHz.
• The AAC file sampling rate is not 44.1 or 48 kHz.
• The MP3 file bit rate is not 48 to 192 kbps.
• The WMA file bit rate is not 64 to 192 kbps.
• The AAC file bit rate is not 40 to 320 kbps.
• The unit is in pause/reverse/fast-forward mode.
• The settings for the outputs are not made correctly.
• The DVD output level is too low (page 21).
• The volume is too low.
• The ATT function is activated, or the Telephone ATT function (when the interface cable of a car telephone is connected to the ATT lead) is activated.
• The position of the fader control "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 11).

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 61).
• The disc format and file version are incompatible with this unit (page 11, 60).
• 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 60).
• The file extension is incorrect (page 61).
• 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 31).

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 55) 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 17).
• Multilingual tracks, multilingual subtitles, or multi-angles are not recorded on the DVD.
• The DVD prohibits changing.

The operation buttons do not function. The disc will not eject.
Press the reset button (page 14).

You forgot the password for parental control.
Enter "5776" as your password to unlock the restriction (page 21).

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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-62BT)

The other Bluetooth device cannot detect this unit.
• Set "Signal" to "ON" (page 42).
• Set "Discoverable" to "Show" (page 42).
• 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 42).

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 37).

Echo or noise occurs during call conversations.
• Reduce the volume.
• "EC/NC Mode" is set to "OFF."
→ Set "EC/NC Mode" to "Mode 1" or "Mode 2" (page 42).
• 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 41).

No sound is output during audio streaming.
The connected Bluetooth device is paused.
→ Cancel pause of the Bluetooth device.

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

You cannot control the connected Bluetooth device during audio streaming.
Check that the connected Bluetooth device supports AVRCP.

Some functions do not work.
Check that the connecting device supports the functions in question.

The name of the other party does not appear when a call is received.
• The other party is not stored in the phonebook.
→ Add the other party to the phonebook (page 38).
• 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 42).

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

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The Bluetooth function cannot be operated.

Exit the source by pressing and holding (SOURCE/OFF) for 1 second, then turn on the unit.

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

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

Error displays/messages

Bluetooth device is not found.

The unit cannot detect a connectable Bluetooth device.
→ Check the Bluetooth setting of the connecting device.

Busy now… Please try again.

The unit is busy.
→ Wait for a moment and try again.

Cannot read.

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

Disc Error

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

Disc Reading...

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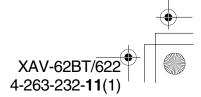→ Wait until reading is complete and playback starts automatically. Depending on the disc structure, it may take more than a minute.

Error

For XAV-62BT and XAV-622
• The USB device was not automatically recognized.
→ Reconnect it again.

For XAV-62BT 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 download from the cellular phone failed due to a problem.
→ Download the phonebook again (page 38).
• Phonebook browsing from the cellular phone failed due to a problem.
→ Retry browsing (page 39).
• Phonebook listing from the cellular phone failed due to a problem.
→ Retry listing (page 39).

Error - Please select 'initialize' from the Bluetooth settings menu.

A memory error has occurred.
→ Initialize the Bluetooth setting (page 42).

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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 35).

Hubs not supported.
USB hubs are not supported on this unit.

Local Seek +/Local Seek –
The local seek mode is on during automatic tuning.

No device found.
No device is in the list of registered Bluetooth device.
→ Perform pairing with a Bluetooth device (page 33).

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 14).

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.

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.

"⌐ ⌐ ⌐ ⌐" or "⌐ ⌐ ⌐ ⌐"
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.

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.

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Language code/area code list

Language code list

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

Code	Language	Code	Language	Code	Language	Code	Language
1027	Afar	1183	Irish	1347	Maori	1507	Samoan
1028	Abkhazian	1186	Scots Gaelic	1349	Macedonian	1508	Shona
1032	Afrikaans	1194	Galician	1350	Malayalam	1509	Somali
1039	Amharic	1196	Guarani	1352	Mongolian	1511	Albanian
1044	Arabic	1203	Gujarati	1353	Moldavian	1512	Serbian
1045	Assamese	1209	Hausa	1356	Marathi	1513	Siswati
1051	Aymara	1217	Hindi	1357	Malay	1514	Sesotho
1052	Azerbaijani	1226	Croatian	1358	Maltese	1515	Sundanese
1053	Bashkir	1229	Hungarian	1363	Burmese	1516	Swedish
1057	Byelorussian	1233	Armenian	1365	Nauru	1517	Swahili
1059	Bulgarian	1235	Interlingua	1369	Nepali	1521	Tamil
1060	Bihari	1239	Interlingue	1376	Dutch	1525	Telugu
1061	Bislama	1245	Inupiak	1379	Norwegian	1527	Tajik
1066	Bengali; Bangla	1248	Indonesian	1393	Occitan	1528	Thai
		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; Pushto	1535	Tonga
1097	Czech	1283	Javanese			1538	Turkish
1103	Welsh	1287	Georgian	1436	Portuguese	1539	Tsonga
1105	Danish	1297	Kazakh	1463	Quechua	1540	Tatar
1109	German	1298	Greenlandic	1481	Rhaeto-Romance	1543	Twi
1130	Bhutani	1299	Cambodian			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-Croatian	1684	Chinese
1166	Fiji	1332	Lithuanian			1697	Zulu
1171	Faroese	1334	Latvian; Lettish	1503	Singhalese		
1174	French			1505	Slovak		
1181	Frisian	1345	Malagasy	1506	Slovenian	1703	Not specified

Area code list

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

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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**