AV Center

Operating Instructions

XAV-741
XAV-701BT
XAV-601BT

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-741, XAV-701BT and XAV-601BT.
- XAV-601BT is the model representatively used for illustration purposes.
- Bluetooth functions and descriptions apply only to XAV-701BT and XAV-601BT.

Warning

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

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

CLASS 1
LASER PRODUCT

This label is located on the bottom of the chassis.

Disposal of Old Electrical & Electronic Equipment (Applicable in the European Union and other European countries with separate collection systems)

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

Warning if your car's ignition has no ACC position
Be sure to set the Auto Off function (page 47).
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 47.

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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 OUT is active while the car is in motion.
The picture on the display is switched to the background screen, but audio source can be heard.

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

Notes on installation

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

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Notes on Bluetooth function (XAV-701BT/601BT only)

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IMPORTANT NOTICE!

Safe and efficient use

Changes or modifications to this unit not expressly approved by Sony may void the user's authority to operate the equipment.
Please check for exceptions, due to national requirement or limitations, in usage of Bluetooth equipment before using this product.

Driving

Check the laws and regulations on the use of cellular phones and handsfree equipment in the areas where you drive.
Always give full attention to driving and pull off the road and park before making or answering a call if driving conditions so require.

Connecting to other devices

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

Radio frequency exposure

RF signals may affect improperly installed or inadequately shielded electronic systems in cars, such as electronic fuel injection systems, electronic antiskid (antilock) braking systems, electronic speed control systems or air bag systems. For installation or service of this device, please consult with the manufacturer or its representative of your car. Faulty installation or service may be dangerous and may invalidate any warranty that may apply to this device.
Consult with the manufacturer of your car to ensure that the use of your cellular phone in the car will not affect its electronic system.
Check regularly that all wireless device equipment in your car is mounted and operating properly.

Emergency calls

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

Therefore do not rely solely upon any electronic device for essential communications (such as medical emergencies).
Remember, in order to make or receive calls, the handsfree and the electronic device connected to the handsfree must be switched on in a service area with adequate cellular signal strength.
Emergency calls may not be possible on all cellular phone networks or when certain network services and/or phone features are in use.
Check with your local service provider.

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The source code for the above-listed software is available on the Web.
To download, please access the following URL then select the model name "XAV-741/701BT/601BT."
URL: http://www.sony.net/Products/Linux/
Please note that Sony cannot answer or respond to any inquiries regarding the content of the source code.

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 files can also be stored.*

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

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

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

Tip
For details on compression formats, see page 57.

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

Location and function of controls

Main unit

XAV-741/701BT
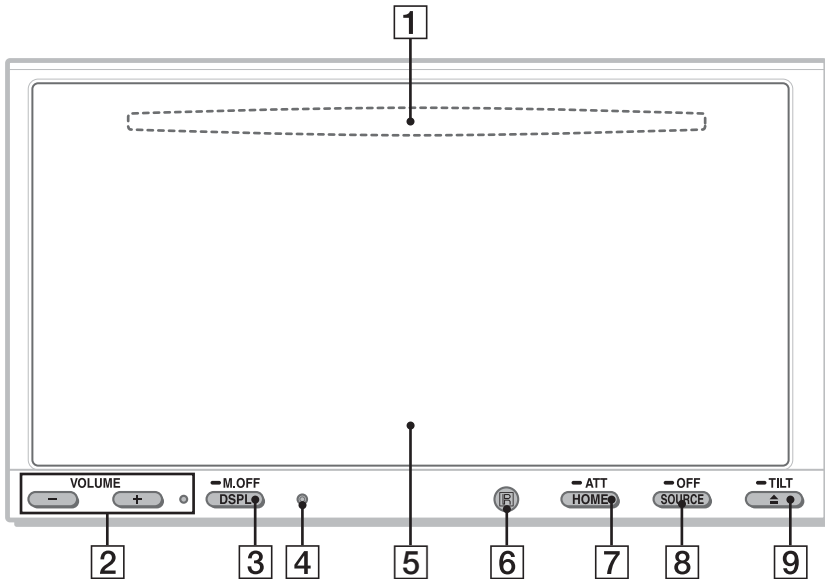
For details, see the pages listed below.

① **Disc slot** page 18
(located behind the front panel)

② **VOL (Volume) –/+*¹ buttons**

③ **DSPL/M.OFF button**
Press to change display items.
Press and hold to turn off the monitor and the button illumination. To turn back on, touch anywhere on the display.

④ **Reset button** page 14

⑤ **Display/touch panel**

⑥ **Receptor for the remote commander**

⑦ **HOME/ATT button**
Press to open HOME menu.
Press and hold to attenuate the sound.

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

⑨ **⏏ (Eject) TILT button** page 18, 45
Press and hold to adjust the monitor angle.

*1 *There is a tactile dot to the right of the VOL + button.*
*2 *Available on XAV-701BT only.*

Location and function of controls

Main unit

XAV-601BT
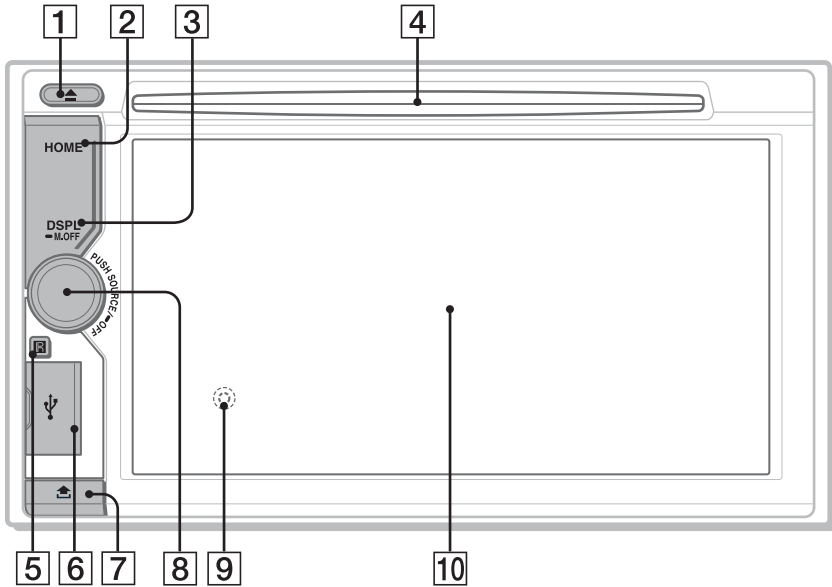
For details, see the pages listed below.

1 ⏏ **(Eject) button** page 18

2 **HOME button**
Press to open HOME menu.

3 **DSPL/M.OFF button**
Press to change display items.
Press and hold to turn off the monitor and the button illumination. To turn back on, touch anywhere on the display.

4 **Disc slot** page 18

5 **Receptor for the remote commander**

6 **USB port**
Open the cover to connect a USB device.

7 **Front panel release button**

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

9 **Reset button** page 14
(located behind the front panel)

10 **Display/touch panel**

11

Screen displays

Indication list:
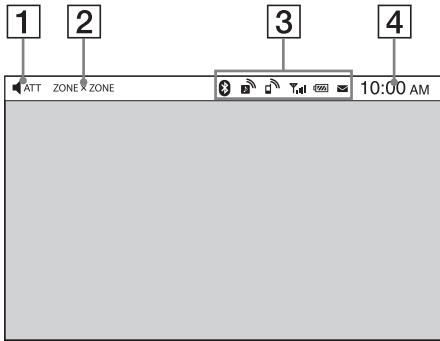
Home Screen:
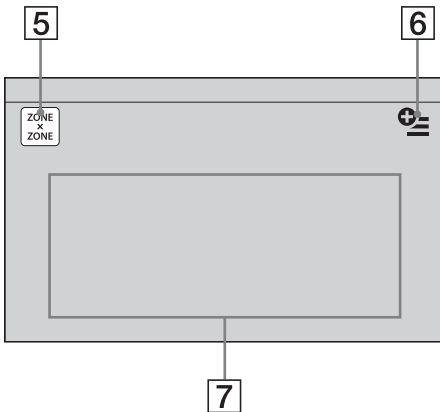
1 **ATT (Attenuate)**

2 **ZONE × ZONE**

3 **Bluetooth status indications** page 35
(XAV-701BT/601BT only)

4 **Clock** page 15

5 **"ZONE × ZONE" key**
Touch to activate Zone × Zone.

6 **Option key**
Touch to open HOME Option menu.
The items in the Home Option menu are as
follows:

"Icon Priority"
Displays the icon depending on the
frequency of use: "Default," "Frequency
Used."

"Background Theme"
Changes the Background Theme:
"Default," "User."

"Icon View"
Changes the display of icons: "2D Mode,"
"3D Mode.*1"

"Touch Effect"
Displays a light trail where you have
touched the display: "ON," "OFF."

To return to the Home screen, touch ↰.

7 **Source select keys**
Touch to change the source: "Tuner"
(Radio), "MirrorLink™," "Phone"
(Bluetooth Phone)*2, "iPod," "USB Music,"
"USB Video," "USB Photo," "Disc," "BT
Audio" (Bluetooth Audio)*2, "Rear
Camera," "AUX" (Auxiliary equipment),
"Settings."

*1 *Select 2D/3D Mode to display icons in 2D/3D. In*
3D Mode, you can operate by drawing icons back
and forth.
*2 *Available on XAV-701BT/601BT only.*

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

RM-X271 Remote Commander

- The remote commander can be used to operate the audio controls. For menu operations, use the touch panel.
- For details, see the pages listed below.
- Remove the insulation film before use (page 15).
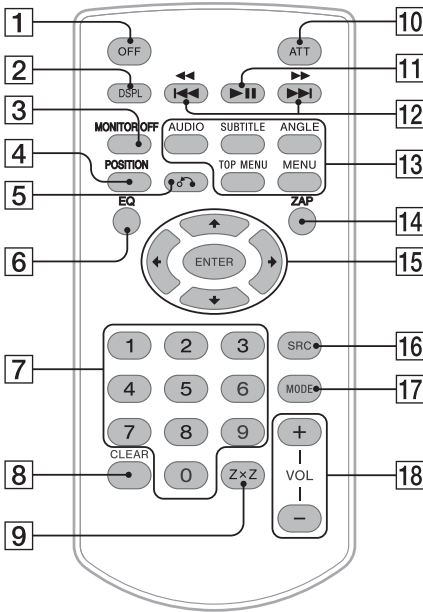
1 OFF button
Press to exit the source/stop the source.
Press and hold to turn off.

2 DSPL button
Press to change display items.

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

4 POSITION button
Press to switch the listening position ("Front L"/"Front R"/"Front"/"All"/"Custom"/ "OFF").

5 ⟲ (Return) button
Press to return to the previous display/return to the menu on a VCD*1.

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

7 Number buttons page 23
Radio:
Press to receive stored stations.
Press and hold to store stations.
Disc:
Press to locate a title/chapter/track.

8 CLEAR button
Press to delete an entered number.

9 Z×Z (Zone × Zone) button page 33
Press to activate Zone × Zone.

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

11 ►II (Play/Pause) button

12 I◄◄ ◄◄/►► ►►I buttons
Radio:
Press to tune to stations automatically.
Press and hold to find a station manually.
Disc*2/USB/iPod:
Press to skip a chapter/track/scene/file.
Press and hold momentarily to reverse/ fast-forward video.
Press and hold to reverse/fast-forward a track.
Bluetooth Audio*3*4:
Press to skip a track.
Press and hold to reverse/fast-forward a track.

13 DVD playback setting buttons
(AUDIO):
 Press to change the audio language/format. (For a VCD, to change the audio channel.)
(SUBTITLE):
 Press to change the subtitle language.
(ANGLE):
 Press to change the viewing angle.
(TOP MENU):
 Press to open the top menu on a DVD.
(MENU):
 Press to open the menu on a disc.

14 ZAP button
Press to enter ZAPPIN™ mode.

13

15 ←/↑/↓/→ (Cursor)/ENTER buttons
    page 18
    Press to control the menu on a DVD.

16 **SRC (Source) button**
    Press to turn on/change the source: "Tuner" (Radio), "MirrorLink™," "iPod," "USB Music," "USB Video," "Disc," "BT Audio" (Bluetooth Audio)*5, "AUX" (Auxiliary equipment).

17 **MODE button**
    Press to select the radio band (FM/AM)/ select an auxiliary device (AUX1/AUX2)*6.

18 **VOL (Volume) +/– buttons**

*1 When playing with PBC functions.
*2 Operation differs depending on the disc (page 19).
*3 Operation differs depending on the connected Bluetooth device.
*4 Applies to XAV-701BT/601BT only.
*5 Available on XAV-701BT/601BT only.
*6 When two auxiliary devices are used.

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

Getting Started

Resetting the unit

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

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

Performing initial settings

After resetting, the display for the initial settings appears.

```
┌─────────────────────────────────┐
│ Initial Setting                 │
│                                 │
│                                 │
│          Start demo?            │
│                                 │
│   ┌──────────┐   ┌──────────┐   │
│   │    No    │   │  Start   │   │
│   └──────────┘   └──────────┘   │
└─────────────────────────────────┘
```
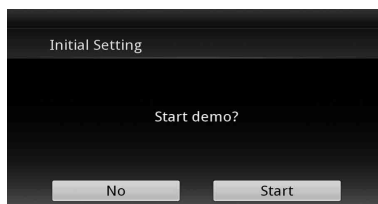
1 **Touch "No" on the demo setting display.**

2 **Touch "Subwoofer" to set the subwoofer connection status.**
    Set to "ON" if a subwoofer is connected, or "OFF" if not.

3 **Touch "Listening Position" to set the listening position.**
    Set to "Front L" if your listening position is front left, or "Front R" if front right.
    To return to the Initial Setting, touch ↰.

4 **Touch "Language" to set the display language.**
    Move the scrollbar up and down, then select the desired language (English/Français/ Español/Português/Русский/Nederlands/ Deutsch/Italiano).
    To return to the Initial Setting, touch ↰.

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

This setting can then be further configured in the setting menu.
- For details on setting the subwoofer connection status, see page 50.
- For details on setting the listening position, see "Optimizing sound for the listening position — Intelligent Time Alignment" on page 43.

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- For details on setting the character encoding, see page 47.
- For details on setting the display language, see page 47.

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

Setting the clock

The clock uses a 12-hour indication.

1 Press (HOME), then touch "Settings."

2 Touch 🗒, then touch "Clock Adjust."
The setting display appears.

3 Set the hour and minute.
For example, to set to 8:30, touch "0830."

4 Touch "AM" or "PM."

5 Touch "OK."
The setting is complete.

To activate/deactivate the CT function, touch "CT" in step 3. (page 47)

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

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

Preparing the remote commander

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

Detaching the front panel (XAV-601BT only)

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

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

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

2 Press ⌂ .

3 ❶Lift the left side of the front panel.
❷Pull it off towards you.
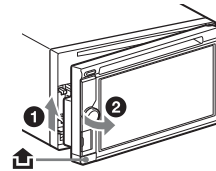
Notes
- *Do not drop or put excessive pressure on the front panel and display window.*
- *Do not subject the front panel to heat/high temperature or moisture. Avoid leaving it in a parked car or on a dashboard/rear tray.*
- *Do not detach the front panel during playback of the USB device, otherwise USB data may be damaged.*

Attaching the front panel
Engage part Ⓐ of the front panel with part Ⓑ of the unit, as illustrated, and push the left side into position until it clicks.
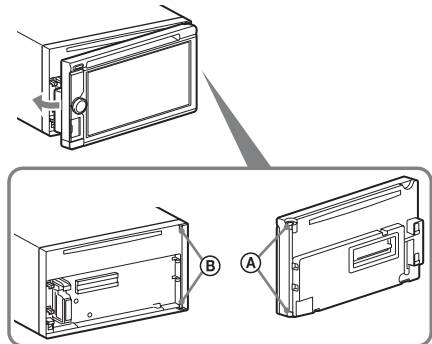
Note
Do not put anything on the inner surface of the front panel.

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Radio

Listening to the radio

1 Press (HOME), then touch "Tuner."
The radio reception display appears.

2 Touch the current band.
The band list appears.

3 Touch the desired band ("FM1," "FM2," "FM3," "AM1," or "AM2").

4 Perform tuning.

To tune automatically
Touch **−SEEK/SEEK+**.
Scanning stops when the unit receives a station. Repeat this procedure until the desired station is received.

To tune manually
Touch **〈/〉** repeatedly until the desired frequency is received.
To skip frequencies continuously, touch and hold **〈/〉**.

Reception controls
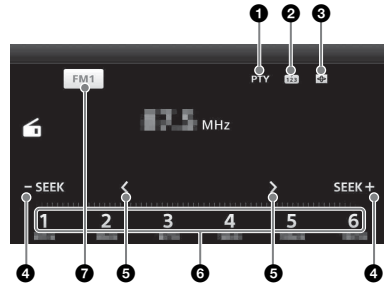
❶ **"PTY"** (FM only)
Touch to open the PTY list. (page 18)

❷ 🔢
Touch to register the preset item.

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

❹ **−SEEK/SEEK+**
Touch to tune automatically.

❺ **〈/〉**
Touch to tune manually.
Touch and hold to continuously skip frequencies.

❻ **"1" to "6"**
Touch to select stations.
Touch and hold to store the currently displayed frequency in a preset.

❼ **"Current band icon"**
Touch to open the band list.

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Reception indications
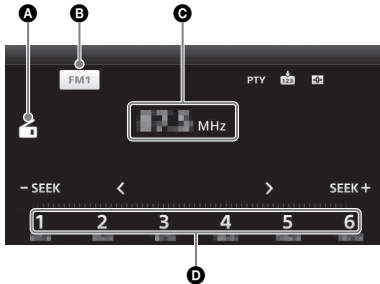
Ⓐ Current source icon
Ⓑ Band name
Ⓒ Frequency/status
Ⓓ Preset number

Storing and receiving stations

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

Storing automatically — BTM

1 Press (HOME), then touch "Tuner."
Select the desired band ("FM1," "FM2," "FM3," "AM1," or "AM2").

2 Touch 🔢.
BTM display appears.

3 Touch "BTM."
The unit stores the first six available stations in the preset list ("1" to "6").

To return to the playback screen, touch ↩.

Storing manually

1 While receiving the station that you want to store, touch 🔢, then touch a number in the list ("1" to "6").

To return to the playback screen, touch ↩.

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

Receiving stored stations

1 Select the band.

2 Touch the desired number ("1" to "6").

RDS

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

Display items
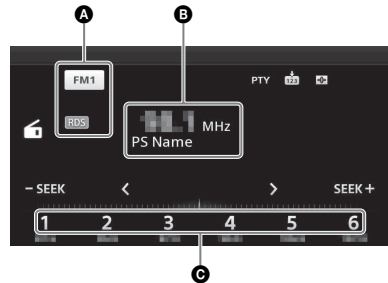
Ⓐ Band name, RDS*
Ⓑ Program service name, frequency
Ⓒ Preset number

* *During RDS reception.*

RDS services
This unit automatically provides RDS services as follows:

PTY (Program Types)
Displays the currently received program type. Also searches for a designated program type.

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

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

Selecting PTY

1 During FM reception, touch "PTY."
To scroll the list, move the scrollbar up and down.

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

To close the PTY list, touch ↩.

Type of programs

"News" (News), **"Current Affairs"** (Current Affairs), **"Information"** (Information), **"Sport"** (Sports), **"Education"** (Education), **"Drama"** (Drama), **"Cultures"** (Culture), **"Science"** (Science), **"Varied Speech"** (Varied), **"Pop Music"** (Pop Music), **"Rock Music"** (Rock Music), **"Easy Listening"** (M.O.R. Music), **"Light Classics M"** (Light classical), **"Serious Classics"** (Serious classical), **"Other Music"** (Other Music), **"Weather & Metr"** (Weather), **"Finance"** (Finance), **"Children's Progs"** (Children's program), **"Social Affairs"** (Social Affairs), **"Religion"** (Religion), **"Phone In"** (Phone In), **"Travel & Touring"** (Travel), **"Leisure & Hobby"** (Leisure), **"Jazz Music"** (Jazz Music), **"Country Music"** (Country Music), **"National Music"** (National Music), **"Oldies Music"** (Oldies Music), **"Folk Music"** (Folk Music), **"Documentary"** (Documentary)

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

Discs

Playing discs

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

XAV-741/701BT

1 Press ▲ on the main unit.
The front panel opens automatically.

2 Insert the disc (label side up).
The front panel closes automatically, then playback starts.

XAV-601BT

1 Insert the disc (label side up).
Playback starts automatically.

If the DVD menu appears
Touch the item in the DVD menu.
You can also use the menu control panel, which can be displayed by touching outside of the DVD menu. Touch ◄/▲/▼/► to move the cursor, then touch "ENTER" to confirm.
If the menu control panel does not appear by touching the display, use the remote commander.

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

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

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

To eject the disc

XAV-741/701BT

1 Press ▲ on the main unit.
The front panel opens automatically, then the disc is ejected.

2 Press ▲ on the main unit to close the front panel.

Note
The front panel closes automatically after the caution alarm sounds.

XAV-601BT
Press ▲ on the main unit.
The disc is ejected.

Playback controls

Touch the display if the playback controls are not displayed.

C D **MP3** **WMA** **AAC**

❶ ❷ ❸

🔙 |

Track Name
Artist Name
Album Name

● MP3
▶ 002:34   10/20   005:10

⏮ ▶Ⅱ ⏭

❹ ❺ ❹

DVD

❻ ❸ ❼

● DVD 📹7 🔒2 DDD
▶ 0:12:34

⏮ ▶Ⅱ ⏭

❹ ❺ ❹

VCD

❽ ❸

● VCD
▶ 012:34   1/2

⏮ ▶Ⅱ ⏭

❹ ❺ ❹

Xvid **MPEG-4**

❶ ❸

🔙 |

File Name
Folder Name

● Mpeg4
▶ 0:01:23   5/6

⏮ ▶Ⅱ ⏭

❹ ❺ ❹

---
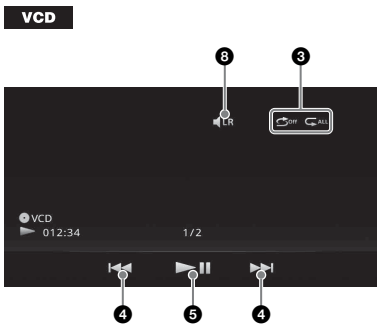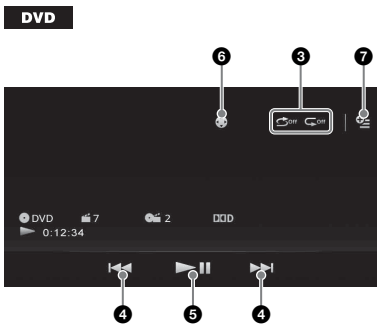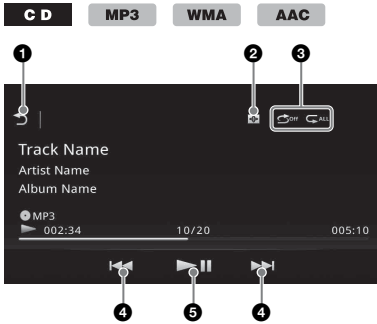
❶ 🔙
  Touch to list up tracks/video files.
  (page 23)

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

❸ **"Repeat"** ⤺ /**"Shuffle"** ⤲ (page 22)

❹ ⏮ /⏭
  Touch to skip a chapter/track/scene file.

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

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

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

❺ ▶Ⅱ
  Touch to pause/resume play after pause.

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

 • **"Top Menu"**: Touch to open the top
    menu on the DVD.*2
  • **"Menu"**: Touch to open the menu on
    the disc.*2
  • ♪: Touch repeatedly to select the audio
    language/format. (page 21)*2
  • 💬: Touch repeatedly to turn off/select
    the subtitle language.*2*3
  • 🎥: Touch repeatedly to change the
    viewing angle.*2

❼ ⚙ (DVD VIDEO playback only)
  Touch to open the option menu.
  • CSO (Center Speaker Organizer)
    (page 44)
  • DVD Audio Level (page 21)

❽ 🔊 LR
  Touch to change the audio channel.
  (page 21)

---

*1 *The speed depends on the format or the recording
  method.*
*2 *Availability depends on the disc.*
*3 *When the 4-digit input prompt appears, input the
  language code (page 67) for the desired language.*

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Playback indications

Touch the display if the indications are not displayed.
For audio discs, some indications are always displayed during playback.

DVD
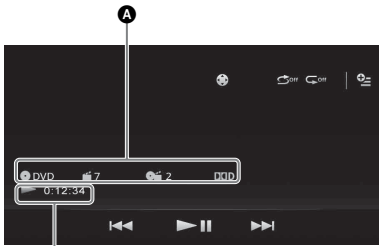
VCD　**Xvid**　**MPEG-4**

C D　**MP3**　**WMA**　**AAC**

A Current source icon, format, chapter/title number*1, audio format*3
B Playback status, elapsed playback time
C Track/artist/album name*1*5
File/folder name*6
D Current source icon, format, track (file) number*2, playback status, elapsed playback time*4

20

*1 *Indications differ depending on the content.*
*2 *When playing a VCD with PBC functions (page 20), "PBC" appears.*
*3 *DVD only.*
*4 *During VCD playback with PBC functions, no indication appears.*
*5 *CD/MP3/WMA/AAC only.*
*6 *Xvid/MPEG-4 only.*

Using PBC (playback control) functions

VCD

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

1 Start playing a PBC-compatible VCD.
The PBC menu appears.

2 Press the number buttons on the remote commander to select the desired item, then press (ENTER).

3 Follow the instructions in the menu for interactive operations.
To return to the previous display, press ⌒ on the remote commander.

Playing without PBC functions

1 Press (HOME), then touch "Settings."

2 Touch 🎞.
The source setting menu appears.

3 Move the scrollbar up and down, then touch "Video CD PBC" to set to "OFF."

4 Start playing a VCD.
The PBC menu does not appear during playback.

Notes
- *The items on the menu, and operation procedures differ depending on the disc.*
- *During PBC playback, the track number, playback item, etc., do not appear on the playback display.*
- *Resume playback is unavailable during playback with PBC.*

Configuring audio settings

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

Changing the audio language/format DVD

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

1 **During playback, touch the screen.**

2 **Touch ⊕.**
The audio language menu appears.

3 **Touch ♪ 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 67) for the desired language.
When the same language is displayed two or more times, the disc is recorded in multiple audio formats.

* *The format name and channel numbers appear as follows:*
Example: Dolby Digital 5.1 ch

Rear channel × 2

Dolby D 3/2.1

Front channel × 2 + Center channel × 1   **LFE channel × 1**
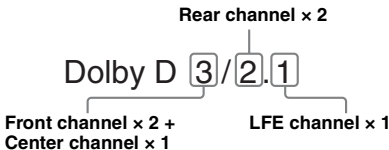
Changing the audio channel VCD

When playing a VCD, you can listen to both the right and left channel, only the right channel, or only the left channel via both the right and left speakers.
The options are indicated below.

"Stereo": Standard stereo sound (default)
"1/Left": Left channel sound (monaural)
"2/Right": Right channel sound (monaural)

1 **During playback, touch ◀LR repeatedly until the desired audio channel appears.**

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

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

Adjusting the audio output level — Dolby D level DVD

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

1 **During playback, touch ⚙.**

2 **Touch "DVD Audio Level."**

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 ⤺.

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Repeat and shuffle play

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

1 During playback, touch "Repeat" $\subsetneq$ or "Shuffle" $\circlearrowright$ repeatedly until the desired option appears.
Repeat or shuffle play starts.

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

Disc/format	Options
`DVD`	**"OFF"**: Returns to normal play mode. **"Chapter"**: Repeats the current chapter. **"Title"**: Repeats the current title.
`VCD` *1 `C D`	**"All"**: Repeats all tracks on the disc. **"Track"**: Repeats the current track.

`MP3`
`WMA`
`AAC`
	"All": Repeats all tracks on the disc.
	"Track": Repeats the current track.
	"Album": Repeats the current album (folder).

`Xvid` `MPEG-4`	**"All"**: Repeats all video files on the disc. **"Movie"**: Repeats the current video file. **"Album"**: Repeats the current album (folder).

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

Disc/format	Options
`DVD` *2	**"OFF"**: 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`
`Xvid`
`MPEG-4`
	"OFF": Returns to normal play mode.
	"Album": Plays tracks/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   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 to enter an item (track, title, etc.) number, then press (ENTER).
Playback starts from the beginning of the selected point.

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

DVD: Title or chapter*1
VCD*2**/CD/MP3/WMA/AAC**: Track
Xvid/MPEG-4: Movie

*1 *The search item depends on the setting.*
*2 *Available only when playing a VCD without PBC functions.*

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

1 Press (HOME), then touch "Settings."

2 Touch 🎞.
The source setting menu appears.

3 Touch "DVD Direct Search" to set to "Chapter" or "Title."
The setting is complete.

To return to the previous display, touch ⤴.

Listing up tracks/video files — List

Selecting a track/video file

C D   MP3   WMA   AAC   Xvid

MPEG-4

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

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

Track List	📑
1 Track01	
2 Track02	
3 Track03	
4 Track04	
5 Track05	

To move to the upper level, touch ⤴.
To move to the top level, touch ⬆.
To scroll the list, move the scrollbar up and down.

2 Touch the desired item.
Playback starts.

Selecting a file type

MP3   WMA   AAC   Xvid   MPEG-4

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

1 During playback, touch ⤴.

2 Touch 🎵 or 🎞 to select the file type.

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

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USB Music

Playing music

1 **Connect the USB device to the USB port.**

2 **Press (HOME), then touch "USB Music."**
Playback starts.

Playback controls
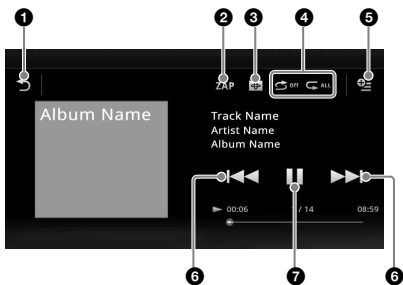
① ⤴
Touch to list up track files.

② **"ZAP"**
Touch to search for a track by listening to track passages. (page 33)

③ ⊕
Touch to change to the screen with Visualizer.

④ **"Repeat"** ⤵/**"Shuffle"** ⤸

⑤ ☰
Touch to open the option menu.

⑥ |◀◀/▶▶|
Touch to skip a track file.

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

⑦ ▶
Touch to play a track file.

⏸
Touch to pause playback.

Options

To change the setting menu (Normal playback screen only)

1 **Touch ☰.**
The menu list appears.

2 **Touch ⚙.**
The options are indicated below.

"ZAPPIN Time"
Selects the playback on time for the ZAPPIN function: "6 sec.," "15 sec.," "30 sec.."

"Update database"
Searches for music files and adds them to the database.

"About Music player"
Displays the application version.

To change the Visualizer settings

1 **Touch ⊕.**
The normal playback screen will change to the playback screen with Visualizer.

2 **Touch ☰.**
The menu list appears.

3 **Touch ⊕.**
The Visualizer list appears.

4 **Select the following items: Gate/Balloon/Glow/Animal/Albums/Graffiti/Ink/Random**

Repeat and shuffle play

1 **During playback, touch "Repeat" ⤵ or "Shuffle" ⤸ repeatedly until the desired option appears.**
Repeat or shuffle play starts.

The repeat options are as follows:

⤵ALL : Repeats the all current group.
⤵1: Repeats the current music file.
⤵off : Returns to normal play mode.

The shuffle options are as follows:

⤸ : Plays music files in the all current group in random order.
⤸off : Returns to normal play mode.

Note
The playback screen with Visualizer is not available with repeat and shuffle play.

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Selecting music files

1 During playback (Normal playback screen only), touch ⤺.
The list of categories or files from the currently played item appears.
To scroll the list, move the scrollbar up and down.

2 Touch the desired item.
Playback starts.

To return to the Playback screen, touch ▶⤺ .

Selecting songs from the library

1 While the list screen appears, touch 📖.
The menu list appears.

2 Select the desired item.
You can search by the following items.
"All songs," "Albums," "Artists," "Genres," "Release year," "Recently added," "Playlists," "Folders."
The selected list appears.

3 Touch the desired item.
Playback starts.

Enjoying music according to your mood — SensMe™

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

Installing "Media Go" to your computer

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

1 Download "Media Go" software from the support site on the back cover.

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

Transferring tracks to the USB device using "Media Go"

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

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

2 Drag and drop tracks from Windows Explorer or iTunes, etc., to "Media Go."
The analysis and transfer of tracks starts.
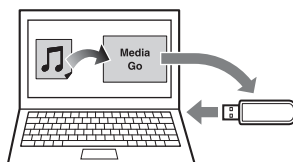
For details on operations, refer to the Help of "Media Go."

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

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

Playing tracks in channels — SensMe™ channels

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

1 Connect a USB device set up for the SensMe™ function.

2 Press (HOME), then touch "USB Music."

3 Touch ⤺, then 💗.

4 Flick the channel list left or right.
Playback of the first track in the current channel starts from the track's most melodic or rhythmical section*.
* *May not be detected correctly.*

5 Touch the desired channel.
Playback of tracks in the selected channel starts.

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

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

Channel list

■ Basic channels
Plays tracks according to the music type.

"Energetic": Plays up-tempo and high-energy music.

"Emotional": Plays ballads.

"Lounge": Plays jazz and easy listening music.

"Dance": Plays rhythm, rap and R & B music.

"Extreme": Plays loud and powerful music.

"Upbeat": Plays cheerful and uplifting music.

"Relax": Plays calm and relaxing music.

"Mellow": Plays soft and slow-tempo music.

■ Recommended

"Morning," "Daytime," "Evening," "Night," "Midnight"

■ Shuffle All
Plays all analyzed tracks in random order.

"SensMe™ channels" playback controls and indications
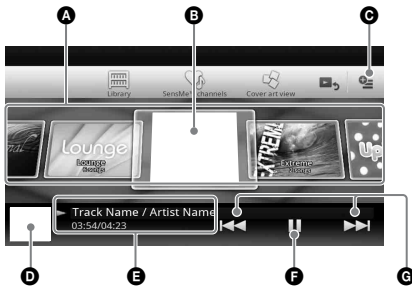
Ⓐ To scroll the list and select another channel.
Ⓑ Indicates the current channel.
Ⓒ Option key
Ⓓ Indicates the album artwork display*.
Ⓔ Indicates the elapsed playback time, track name and artist name.

Ⓕ To pause/resume play after pause.
Ⓖ To skip a track.

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

Selecting an album by cover art

1 While the list screen appears, touch 🎵 .

2 Touch the cover art of the album you want to play.
Playback starts.

Options

To change the setting menu

1 Touch ⚙ .
The menu list appears.

2 Touch ⚙ .
The options are indicated below.

"ZAPPIN Time"
Selects the playback on time for the ZAPPIN function: "6 sec.," "15 sec.," "30 sec.."

"Update database"
Searches for music files and adds them to the database.

"About Music player"
Displays the application version.

To change the album display format
(while selecting "Albums" from Library)

1 Touch ⚙ .
The menu list appears.

2 Touch ▥ , then select "List view" or "Grid view."

To change the cover art sort order
(Cover art view only)

1 Touch ⚙ .
The menu list appears.

2 Touch ↓≡ , then select "Sort by album," or "Sort by artist."

To return to the playback screen, touch ⤺ or "Cancel."

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USB Video

Playing video

1 Connect the USB device to the USB port.

2 Press (HOME), then touch "USB Video."
Playback starts.

Playback controls

Touch the display if the playback controls are not displayed.
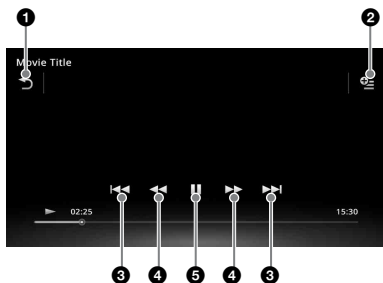
❶ ⤴
Touch to list up video files.

❷ ⚏
Touch to open the option menu. (page 27)

❸ |◄◄/►►|
Touch to skip a track file.

❹ ◄◄/►►

Touch and hold momentarily to fast-forward the video; and then repeatedly to switch the speed (× 1.5 → × 10 → × 30 → × 100)*.

Touch and hold momentarily to reverse the video; and then repeatedly to switch the speed (× 10 → × 30 → × 100)*.

To cancel, touch ►.

◄●/●►
Touch to skip up/down a track.
During pause, touch ●► to skip forwards 15 sec.
During pause, touch ◄● to skip back 10 sec.
Touch and hold to reverse/fast-forward the video track.

❺ ►
Touch to play a track file.

❙❙
Touch to pause playback.

---

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

Tip
You can change the playing speed dynamically by dragging the screen of the video file left or right.

Options

To display Audio options

1 During playback, touch ⚏.
The menu list appears.

2 Touch ♪.
The audio option list appears.

3 Select the desired item.

To display detailed information

1 During playback, touch ⚏.
The menu list appears.

2 Touch ⓘ.
To view detailed information, move the scrollbar up and down.

To delete the file

1 During playback, touch ⚏.
The menu list appears.

2 Touch 🗑.

3 Touch "OK."

To change the settings

1 During playback, touch ⚏.
The menu list appears.

2 Touch ⚙.
The options are indicated below.

"Zoom settings"
Adjusts the video display: "Normal mode," "Full mode," "Off."

"Update database"
Searches for video files and adds them to the database.

"About Video player"
Displays the application version.

To return to the playback screen, touch ⤴ or "Cancel."

Selecting video files

1 During playback, touch ↩.
The list of categories or files from the currently played item appears.
To scroll the list, move the scrollbar up and down.

2 Touch the desired item.
Playback starts.

To return to the Playback screen, touch ▶↩.

To change the album display format

1 While the list screen appears, touch ▦.
The options are indicated below.

▦ : Grid view
Displays video files as a grid.

☰ : List view
Displays video files as a list.

⚑ : Cover art view
Displays video files as angled graphics.

Options

To change the video list sort order

1 Touch ⊕≡.
The menu list appears.

2 Touch ⬇≡, then "Oldest first," "Newest first," "A to Z," or "Z to A."

To change the Settings

1 Touch ⊕≡.
The menu list appears.

2 Touch ⚙.
The options are indicated below.

"Zoom settings"
Adjusts the video display: "Normal mode," "Full mode," "Off."

"Update database"
Searches for video files and adds them to the database.

"About Video player"
Displays the application version.

To return to the playback screen, touch ↩ or "Cancel."

Viewing Photos

1 Connect the USB device to the USB port.

2 Press (HOME), then touch "USB Photo."

3 Touch "All pictures," or "Folders," then select the picture or folders.

Playback controls
Touch the display if the playback controls are not displayed.

---
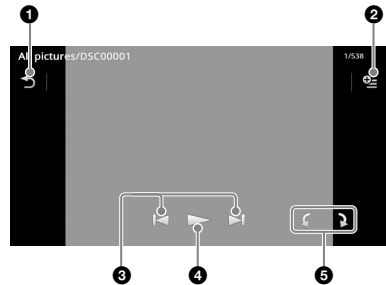
❶ ↩
Touch to list up photo files.

❷ ⊕≡
Touch to open the option menu.

❸ ◄◄/►►
Touch to skip a photo file.

Touch and hold to reverse/fast-forward the photo file.

❹ ►
Touch to start slideshow.
Touch the screen to stop the slideshow.

❺ ⟲ Rotate the photo file to the left.
⟳ Rotate the photo file to the right.

Tip
You can reverse/fast-forward a photo file by flicking the photo list left or right.

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Options

To play slideshow

1 During playback, touch ⊕≟.
The menu list appears.

2 Touch 🖫.
The slideshow starts.

To set as wallpaper

1 During playback, touch ⊕≟.
The menu list appears.

2 Touch 🖾 .

3 Touch "OK."

To remove the picture

1 During playback, touch ⊕≟.
The menu list appears.

2 Touch 🗑.

3 Touch "OK."

To display detailed information

1 During playback, touch ⊕≟.
The menu list appears.

2 Touch 🔖.
To view detailed information, move the scrollbar up and down.

To change the settings

1 During playback, touch ⊕≟.
The menu list appears.

2 Touch ⚙.
The options are indicated below.

"Slideshow interval settings"
Adjusts the time interval: "0.5 sec." - "20.0 sec.."

"Play continuously"
Sets continuous playback (slideshow).

"Update database"
Searches for picture files and adds them to the database.

"About Photo viewer"
Displays the application version.

To return to the playback screen, touch ⤺ or "Cancel."

Selecting photo files

1 During playback, touch ⤺ .
The list of categories or files from the currently played item appears.
To move to the upper level, touch ⤺ .
To scroll the list, move the scrollbar up and down.

2 Touch the desired item.
Playback starts.

To play slideshow

1 Touch 🖫.
The slideshow starts.

To change the display format

1 Touch ▦.
The options are indicated below.

▦: Grid view
Displays photo files as a grid.

☰: List view
Displays photo files as a list.

📁 : Cover art view
Displays photo files as angled graphics.

▦: Date view (All pictures only)
Displays photo files in order of date.

⊞: Expanded view (Folders only)
Displays folders, below which are displayed subfolders, and any photo file images that are contained.

Options

To play slideshow

1 During playback, touch ⊕≟.
The menu list appears.

2 Touch 🖫.
The slideshow starts.

To change the Photo list sort order

1 Touch ⊕≟.
The menu list appears.

2 Touch ⤓≡, then "Oldest first," "Newest first," "A to Z," or "Z to A."

To change the settings

1 While the list screen appears, touch ⊕.

The menu list appears.

2 Touch ⚙.

The options are indicated below.

"Slideshow interval settings"

Adjusts the time interval: "0.5 sec." - "20.0 sec.."

"Play continuously"

Sets continuous playback (slideshow).

"Update database"

Searches for picture files and adds them to the database.

"About Photo viewer"

Displays the application version.

To return to the playback screen, touch ↩ or "Cancel."

Notes on USB playback

• MSC (Mass Storage Class) can be used.
• Compatible codecs are MP3 (.mp3), WMA (.wma), AAC/HE-AAC (.m4a), JPEG (.jpg), Xvid (.avi/.xvid), and MPEG-4 (.mp4).
• Backup of data in a USB device is recommended.

Notes
• During USB Video playback, if the playback is intermittent:
  – Press (HOME) or launch the System settings.
  – During the USB Photo, etc.
• 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 or many files may take time to start playing.
• This unit does not recognize multiple MSC devices.

To disconnect the USB device

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

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

Notes on playback
• Select "USB Music," "USB Video," or "USB Photo" depending on the file type of USB device.
• Displayed indications will differ, depending on the USB device, recorded format and settings. For details, visit the support site on the back cover.
• The maximum number of displayable music files is as follows:
  – files (tracks): 10,000
• It may take time for playback to begin, depending on the amount of recorded data.
• DRM (Digital Rights Management) files may not be played.
• During playback or reverse/fast-forward of a VBR (Variable Bit Rate) MP3/WMA/AAC file, elapsed playing time may not display accurately.
• Playback of a lossless compression file is not supported.

For details on the compatibility of your iPod, see "About iPod" on page 58 or visit the support site on the back cover.
In these Operating Instructions, "iPod" is used as a general reference for the iPod functions on the iPod and iPhone, unless otherwise specified by the text or illustrations.

Note
This unit does not recognize multiple iPods.

Playing an iPod

1 Reduce the volume on this unit.
If the iPod is turned off, turn it on.

2 Connect the iPod to the USB port.
Use of the optional USB connection cable RC-202IPV is recommended.*1

A connection process indicator appears on the iPod screen*2, then playback starts from the item last played.
If an iPod is already connected, to start playback, touch "iPod."
*1 *To play videos from an iPod with video, use of the RC-202IPV is required.*
*2 *May not appear in the case of an iPod touch or iPhone being connected, or when the iPod was last played using Passenger App Control.*

3 Adjust the volume on this unit.

About playback controls and indications
You can control iPod playback in the same way as disc playback. For details, see "Playback controls" on page 19.
For details on playback indications, see "Playback indications" on page 20.

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

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

To enter ZAPPIN mode
For details on this procedure, see "Searching for a track by listening to track passages — ZAPPIN™" on page 33.

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, "No Device" appears on the display of the unit.

Listing up tracks/video files — List

Selecting a track/video file
You can list up albums/folders/tracks/video files, and select a desired one to play.

1 During playback, touch ↰ .
The list of categories or files from the currently played item appears.
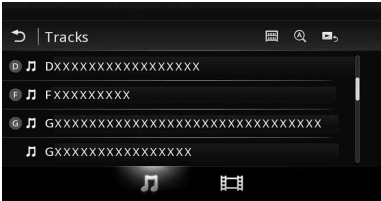
To move to the upper level, touch ↰ .
To scroll the list, move the scrollbar up and down.
To search files by alphabetical order, touch ⊕ .
To return to the top screen, touch ▦ .

2 Touch the desired item.
Playback starts.

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Selecting a file type

You can select the file type to list up, then select the desired file to play.

1 During playback, touch ⤺.

2 Touch ♫ or ▦ to select the file type.

3 Touch the desired file.
Playback of the selected file starts.
To return to the Playback screen, touch ◄↴.

Selecting the play mode

You can set one of the following play modes.

For audio playback
"Track," "Album," "Artist," "Genre," "Playlist," "Podcast" *

* May not appear depending on iPod setting.

For video playback
Same as audio playback, but display item depends on the iPod.

1 During playback, touch ⤺.

2 Touch ♫ or ▦.

3 Touch ▦.

4 Touch the desired play mode.
To start playback, touch the desired item(s) in the list.
To scroll the list, move the scrollbar up and down.

Repeat and shuffle play

1 During playback, touch "Repeat" ⟲ or "Shuffle" ⤬ repeatedly until the desired option appears.
Repeat or shuffle play starts.

The repeat options are as follows:

For audio playback

"All": Repeats all tracks in the iPod.
"Track": Repeats the current track.
**"Album"/"Podcast"/"Artist"/"Playlist"/
"Genre"** *: Repeats the current item of the selected play mode.

For video playback

"All": Repeats all video files in the iPod.
"Track": Repeats the current video.
"Group" *: Repeats the current item of the selected play mode.

The shuffle options are as follows:

For audio playback

"OFF": Returns to normal play mode.
**"Album"/"Podcast"/"Artist"/"Playlist"/
"Genre"** *: Plays tracks of the selected play mode in random order.
"Device": Plays all tracks in an iPod in random order.

* Differs depending on the selected play mode.

Note
Displayed options may not conform to actual operation.

Operating an iPod directly — Passenger App Control

You can directly operate an iPod connected to this unit.

1 During playback, touch ▣.

Deactivating the Passenger App Control

During "Passenger App Control", touch screen, then "Cancel" button.
The play mode changes to resuming mode.

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

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

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

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

1 During audio playback, touch "ZAP."
In the case of USB Music, ZAP mode starts from the currently playing track.
The most melodic or rhythmical sections of tracks are played.
Those passages are played for the set time.

Note
Tracks need to be analyzed by 12 TONE ANALYSIS.

"ZAP" touched.

The playback section of each track in ZAPPIN mode.
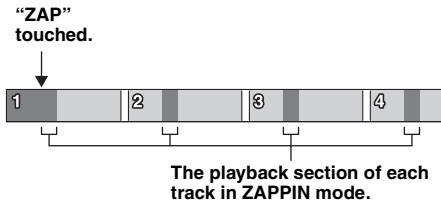
In the case of iPod, ZAP mode starts from a passage in the next track.

"ZAP" touched.

The playback section of each track in ZAPPIN mode.
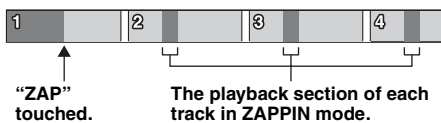
2 Touch "ZAP" when a track you want to listen to is played.
In the case of USB Music, playback returns to normal from the current position until the end of the track.
In the case of iPod, the selected track plays from the beginning.

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

Tips
- *You cannot select the track passage to play.*
- *You can select the playback time. Touch ⊕ , then select the playback on time for the ZAPPIN function: "6 sec.," "15 sec.," "30 sec.."*

Controlling applications on your smartphone — MirrorLink™

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

1 Connect your smartphone and the unit via USB cable.

2 Press (HOME), then touch "MirrorLink™."
The smartphone's display appears on the in-car display.
Touch and control applications in the same way as you do on your smartphone.

Note
For your safety, when the parking brake is not engaged, some smartphone screen content may not be displayed on AVC.

Enjoying different sources in front and rear — Zone × Zone

You can simultaneously enjoy different sources in the front and rear of the car.
Selectable sources for this unit (front) and the rear monitor (rear) are indicated below.
Front: Any source.
Rear: Disc inserted in this unit.

1 Press (HOME) on the main unit.

2 Touch "ZONE × ZONE" to activate Zone × Zone.
To operate the source in the front, use the touch panel and buttons on the main unit.
To operate the source in the rear, use the remote commander.

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

To deactivate Zone × Zone
Touch "Zone × Zone" again in the HOME menu.

Notes
- *Once (SOURCE/OFF) on the main unit or remote commander is pressed, Zone × Zone is deactivated.*
- *While Zone × Zone is activated, the following buttons on the remote commander become inactive: (SRC), (MODE), (ATT), (VOL) +/–, (CLEAR), number buttons.*
- *While Zone × Zone is activated, you can only operate rear DVD playback by the remote commander.*
- *While Zone × Zone is activated, the following are deactivated.*
  – EQ7 (page 42)

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Changing the color of buttons —Dynamic Color Illuminator

Dynamic Color Illuminator allows you to change the color of the buttons on the main unit to match the car's interior.
You can select from 12 preset colors, customized color and 5 preset patterns.

■ **Preset colors**
"Red," "Amber," "Medium Amber," "Yellow," "White," "Light Green," "Green," "Light Blue," "Sky Blue," "Blue," "Purple," "Pink."

■ **Preset patterns**
"Rainbow," "Ocean," "Sunset," "Forest," "Random."

1 Press (HOME), then touch "Settings."

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

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

Customizing the button color — Custom Color

You can register a customized color for the buttons.

1 Press (HOME), then touch "Settings."

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

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

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

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 ►►I.)
	DVD/VCD playback: skip forward a chapter/track. (The same as ►►I.)
	Xvid/MPEG-4/audio playback: skip forward a file/track. (The same as ►►I.)
← Draw a horizontal line (right to left)	**Radio reception:** seek backward stations. (The same as I◄◄.)
	DVD/VCD playback: skip backward a chapter/track. (The same as I◄◄.)
	Xvid/MPEG-4/audio playback: skip backward a file/track. (The same as I◄◄.)
↑ Draw a vertical line (upwards)	**Radio reception:** receive stored stations (go forward).
	DVD/VCD/Xvid/MPEG-4 playback: fast-forward the video.
	Audio playback: skip forward an album (folder).
↓ Draw a vertical line (downwards)	**Radio reception:** receive stored stations (go backward).
	DVD/VCD/Xvid/MPEG-4 playback: reverse the video.
	Audio playback: skip backward an album (folder).

Before using the Bluetooth function

Bluetooth functions and descriptions apply only to XAV-701BT/601BT.

Basic procedure of the Bluetooth function

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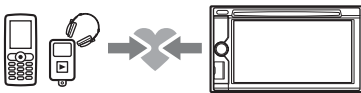
Note
If you delete the device registration from this unit, you need to perform pairing again.

➋ **Connecting**

After pairing is made, connect this unit and the Bluetooth device. Depending on the device, connection is automatically made along with the pairing.
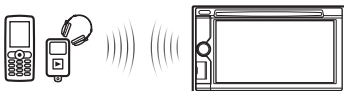
➌ **Handsfree calling/audio streaming**

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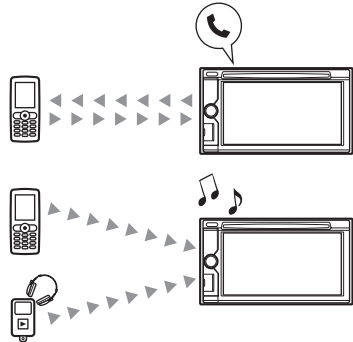
Bluetooth status indications

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

Installing the microphone (XAV-701BT/601BT 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.

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Pairing

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

For details, refer to the manual of the Bluetooth device.

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

Tip
You can pair up to 9 devices.

Searching from the Bluetooth device

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

1 Press (HOME), then touch "Settings."

2 Touch 🔲, and move the scrollbar up and down.

3 Touch "Bluetooth Connection," then set the signal to "ON."
The Bluetooth signal of this unit is activated.

4 Touch "Pairing >."
This unit is ready to be detected by the other Bluetooth device.

5 Operate the Bluetooth device to search for this unit.
A device list appears on the display of the device. This unit is displayed as "Sony Automotive."
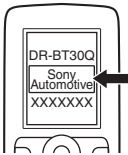
6 If passkey* input is required on the display of the device, input "0000."
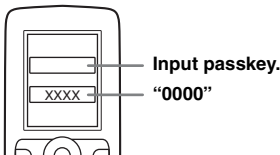
This unit and the Bluetooth device memorize each other's information, and when pairing is made, this unit is ready for connection to the device.

7 Operate the Bluetooth device to connect to this unit.
Bluetooth device name appears and connection is complete. " 📶 " or " 📶 " appears when the connection is made.

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

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

Connecting

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

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

Before starting, be sure to activate the Bluetooth signal both on this unit (page 41) and the other Bluetooth device.

To connect from the other Bluetooth device

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

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

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

Handsfree calling

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

Making calls

By dialing a phone number

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

2 **Touch ▦.**
The number input display appears.

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

By the phonebook

For details on how to manage the phonebook data, see "Phonebook management" on page 39.

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

2 **Touch 📖.**
The phonebook appears.

3 **Select the desired contact.**

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

❷ In the number list, touch the phone number.
To search the desired contact by alphabetical order, touch ⊕, then select alphabet.

The contact confirmation display appears.

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

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

By the call history

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

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

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

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

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

By the preset dial

You can store up to 6 contacts in the preset dial. For details on how to store, see "Preset dial" on page 40.

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

2 **Touch the number in the list ("1" to "6").**
The contact confirmation display appears.

3 **Touch 📞.**
The call is made and the calling display appears until the other party answers.

By the voice dial function

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

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

2 **Touch 🎤.**

3 **Say the voice tag stored on the cellular phone.**
Your voice is recognized, then the call is made.
The calling display appears until the other party answers.

By the redial function

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

2 **Touch 📞.**
The call is made and the calling display appears until the other party answers.

Notes
- *Say the voice tag in the same way as you stored it on the cellular phone.*
- *If the voice dial function is activated on the connected cellular phone, it may not work via this unit.*

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

To adjust the talker's voice volume

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

Receiving calls

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

To answer the call

Touch 📞 .

To adjust the ringtone volume

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

To reject a call

Touch 📞 .

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

Tips
- *You can set to answer a call automatically (page 40).*
- *You can set to use the ringtone of the cellular phone or this unit (page 40).*

Operations during a call

To adjust the talker's voice volume

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

To send DTMF (Dual Tone Multiple Frequency) tones

Touch ⊞, then the required number keys.

To transfer the current call to the cellular phone

Touch ◀↔▯ .
To transfer back to the handsfree call, touch ◀↔▯ again.

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 ⊕≡, then "MIC Gain."**

2 **Touch "Low," "Middle," or "High" to adjust the level.**

3 **Touch ↩ repeatedly to return to the previous displays.**

To end a call

Touch 📞 .

Phonebook management

You can store up to 500 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 erase all the phonebook data in this unit to prevent possible unauthorized access, by doing any of the following:*
  - *Delete the phonebook data by initializing (page 41).*
  - *Press the reset button.*
  - *Disconnect the power supply lead.*
- *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.*

Selecting phonebook data

You can select the phonebook data of a cellular phone, or the internal data on this unit.

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

2 Touch ☎, then "Phonebook Select."

3 Touch the desired item.

To return to the previous display, touch ↰.

Storing phonebook data (When "Internal" has been selected from "Phonebook Select")

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

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

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

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

Browsing a phonebook

You can browse its phonebook data.
You can also make a call to a contact.

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

2 Touch 📖.
The phonebook appears.

3 Select the desired contact.

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

❷ In the number list, touch the phone number.
To search the desired contact by alphabetical order, touch 🔍, then select alphabet.

The contact confirmation display appears.

To call the contact
Select the desired contact from the phonebook, then touch 📞.

Deleting phonebook data

To delete all phonebook data on this unit

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

2 Touch 📖.
The phonebook appears.

3 Touch 🗑.
The confirmation display appears.

4 Touch "OK."
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.
In the name list, touch the name of the contact.
To search the desired contact by alphabetical order, touch 🔍, then select alphabet.

3 Touch 🗑.
The confirmation display appears.

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

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Call data management

Deleting call history

You can delete the items in the call history.

To delete all items in the call history

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

2 Touch ⁓.
The call history list appears.

3 Touch 🗑.
The confirmation display appears.

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

Preset dial

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

To store from the phonebook

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

2 Touch 📖.
The phonebook appears.

3 Select the contact to store in the preset dial.

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

❷ In the number list, touch the phone number.
To search the desired contact by alphabetical order, touch 🔍, then select alphabet.

The contact confirmation display appears.

4 Touch "Preset," then the desired preset number ("1" to "6").
The contact is stored to the selected preset number.

To change the registration of the preset dial

Follow the procedure above and overwrite a registered preset dial.

Phone option menu

The Phone option menu can be configured in "Phone."

1 Press (HOME), then touch "Phone."

2 Touch 🕮.
The Phone option menu appears.

3 Touch the desired item in the list and configure the setting.
The items in the Phone option menu are as follows:

"Ringtone"*1*2
Uses the ringtone of this unit or the connected cellular phone: "Internal," "Cellular."

"Auto Answer"*1
Answers an incoming call automatically.
– "OFF": to not answer automatically.
– "3 sec": to answer automatically after 3 seconds.
– "10 sec": to answer automatically after 10 seconds.

Phonebook Select
Browses the phonebook data on this unit or cellular phone: "Internal," "Cellular."

Receive Phonebook
Sends phonebook data from the connected cellular phone.
When receiving is complete, Bluetooth device name appears.

Background Visualizer
Sets Background Visualizer: "ON," "OFF."

*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."*

During a handsfree call, the items in the Phone option menu are as follows:

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

"MIC Gain" (page 38)
Adjusts the microphone volume for the other party: "Low," "Middle," "High."

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 36).

2 Reduce the volume on this unit.

3 Press (HOME), then touch "BT Audio."
The Bluetooth Audio display appears.

4 Operate the other Bluetooth device to start playback.

5 Adjust the volume on this unit.

Note
During disconnection to the last-connected device, touch "Reconnect" to search for the last-connected Bluetooth device.
If the problem is not solved, touch "BT Settings," then set the signal to "ON." Touch "Pairing >" to enter the Paring mode.
For details on the procedure of the Paring, see page 36.

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 19), except for the following:

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

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

General Settings about Bluetooth

The Bluetooth settings can be configured in "General Settings."

1 Touch ⊞, and move the scrollbar up and down.
The Bluetooth setting menu appears.

2 Touch the desired item in the list and configure the setting.

The items in the Bluetooth setting menu are as follows:

"Bluetooth Connection"∗
Activates the Bluetooth signal: "ON," "OFF."
Touch "Pairing >" to enter the Paring mode.

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

∗ *Cannot be configured during a handsfree call.*

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

Sound Adjustment

Selecting the sound quality — EQ7

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

1 During reception/playback, press (HOME), then touch "Settings."

2 Touch ♪.
The sound setting menu appears.

3 Touch "EQ7."
The options appear.

4 Touch the desired equalizer curve.
The setting is complete.

To cancel the equalizer curve, select "OFF."
To return to the previous display, touch ⤴.

Note
During USB Video playback, you cannot operate the sound adjustment while listening.

Customizing the equalizer curve — EQ7 Tune

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

1 During reception/playback, press (HOME), then touch "Settings."

2 Touch ♪, then "EQ7."
Set the equalizer curve to other than "OFF."

3 Touch "Custom," then "Tune >."
The tuning display appears.
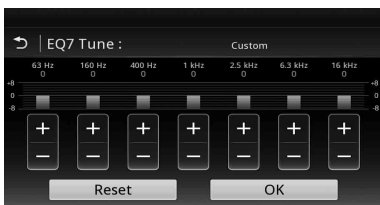
4 Touch +/– of each frequency to adjust their levels.
The level is adjustable in single steps, between –8 and +8.
To restore the factory-set equalizer curve, touch "Reset."

5 Touch "OK."
The setting is complete.

Tip
Other equalizer types are also adjustable.

Adjusting the sound characteristics

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

1 During reception/playback, press (HOME), then touch "Settings."

2 Touch ♪.
The sound setting menu appears.

3 Touch "Balance/Fader/Subwoofer."
The setting display appears.

4 Touch ◀/▲/▼/▶ to adjust the balance/fader.
The level is adjustable in single steps between –15 and +15 (Balance)/–15 and +15 (Fader).

5 Touch +/– to adjust the volume level of the subwoofer.
This setting is adjustable only when a subwoofer is connected and "Subwoofer" is set to "ON" (page 50).
The level is adjustable in single steps, between –6 and +6.

To return to the previous display, touch ⤴.

42

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 43)
"OFF": No position set
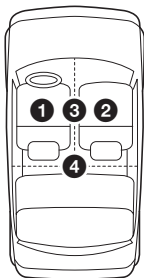
You can also set the approximate subwoofer position from your listening position if:
– the subwoofer is connected and "Subwoofer" is set to "ON" (page 50).
– the listening position is set to "Front L," "Front R," "Front," or "All."

1 **During reception/playback, press (HOME) then touch "Settings."**

2 **Touch ♪.**
The sound setting menu appears.

3 **Touch "Listening Position."**
The setting display appears.

4 **Touch "Front L," "Front R," "Front," or "All."**

5 **Set the subwoofer position.**
If you select "Front L," "Front R," "Front," or "All" in step 4 above, you can set the subwoofer position.
Touch "Near," "Normal," or "Far."
The setting is complete.

To customize the listening position, touch "Custom >." If you want to restore the default setting, touch "Reset."

To cancel Intelligent Time Alignment, select "OFF."
To return to the previous display, touch ⤺.

Calibrating the listening position — Intelligent Time Alignment Tune

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

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

1 **During reception/playback, press (HOME) then touch "Settings."**

2 **Touch ♪, then "Listening Position."**

3 **Touch "Custom >."**
The setting display appears.

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

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

To restore the default setting, touch "Reset."
To return to the previous display, touch ⤺.

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

43

Speaker configuration and volume setup

Creating a virtual center speaker — CSO

DVD

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

1 During DVD playback, touch the display.

2 Touch 🎚.
The Disc Option menu appears.

3 Touch "CSO (Center Speaker Organizer)."
The options appear.

4 Touch "CSO1," "CSO2," or "CSO3."
The setting is complete.

To cancel CSO, touch "OFF" in step 4.
To return to the previous display, touch 🔙.

Note
"CSO (Center Speaker Organizer)" is effective only when "Multi Channel Output" is set to "Multi" (page 52), 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 49) to the rear speakers. This function allows the rear speakers to work like a pair of subwoofers if one is not connected.

1 During reception/playback, press (HOME), then touch "Settings."

2 Touch ♪.
The sound setting menu appears.

3 Move the scrollbar up and down, then touch "RBE (Rear Bass Enhancer)."
The options appear.

4 Touch "RBE1," "RBE2," or "RBE3."
The setting is complete.

To cancel RBE, touch "OFF" in step 4.
To return to the previous display, touch 🔙.

Adjusting the speaker volume

You can adjust the volume level of each connected speaker.
The adjustable speakers are "Front R" (Front Right), "Front L" (Front Left), "Surround L" (Rear Left), "Surround R" (Rear Right) and "Subwoofer*."

* *Adjustable only when a subwoofer is connected and "Subwoofer" is set to "ON" (page 50).*

1 While no source is selected, press (HOME), then touch "Settings."

2 Touch ♪.
The sound setting menu appears.

3 Move the scrollbar up and down, then touch "4.1ch Speaker Level."
The setting display appears.
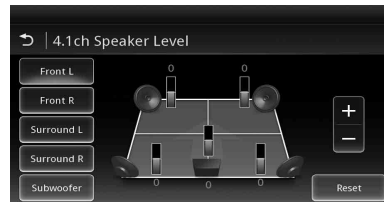
4 Touch the desired item, then +/– to adjust the level.
Repeat this step to adjust each speaker's volume.
To restore the default setting, touch "Reset."

To return to the previous display, touch 🔙.

44

Monitor Adjustment

Adjusting the monitor angle (XAV-741/701BT only)

You can adjust the monitor angle for best viewing.

1 **Press and hold ⏏ on the main unit.**

2 **Touch ⤵⫽/⤴⫼ to adjust the angle.**
The adjustment is stored.
The monitor retains the angle even after the front panel is opened and closed.

To return to the previous display, touch ⏎ .

Touch panel calibration

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

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

2 **Touch ⊞.**
The general setting menu appears.

3 **Move the scrollbar up and down, then touch "Touch Panel Adjust."**
The setting display appears.

4 **Touch the targets in sequence.**
The calibration is complete.

To cancel calibration, touch "Cancel."

Adjusting the picture — Picture EQ

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

"Dynamic": Vivid picture with bright, clear colors.
"Standard": Standard picture.
"Theater": Brightens the monitor; suitable for darkly-lit movies.
"Sepia": Applies a sepia tone to the picture.
"Custom 1," "Custom 2": User-adjustable settings (page 45).

1 **During video playback, press (HOME), then touch "Settings."**

2 **Touch 🖻.**
The Visual Settings menu appears.

3 **Touch "Picture EQ."**
The options appear.

4 **Touch the desired option.**

To return to the previous display, touch ⏎ .

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

Customizing the picture

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

1 **During video playback, press (HOME), then touch "Settings."**

2 **Touch 🖻, then "Picture EQ."**

3 **Touch "Custom 1 >" or "Custom 2 >."**
The setting display appears.
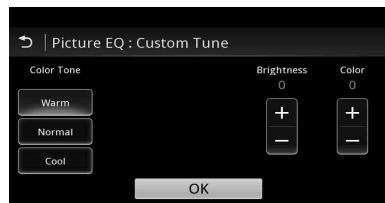
4 **Touch "Warm," "Normal," or "Cool" to select "Color Tone."**

5 **Touch +/– of "Brightness" and "Color" to adjust their levels.**

6 **Touch "OK."**

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To return to the previous display, touch ⤺.

Note
The picture of the rear view camera cannot be adjusted.

Selecting the aspect ratio

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

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

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

"Full": Picture with 16:9 aspect ratio.

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

1 During video playback, press (HOME), then touch "Settings."

2 Touch 🔳.
The screen setting menu appears.

3 Touch "Aspect."
The options appear.

4 Touch the desired option.

To return to the previous display, touch ⤺.

Notes
* *This setting is available only when the parking brake is set.*
* *The screen aspect ratio of the rear view camera cannot be changed.*
* *When you change the screen aspect of USB Video, enter the option menu of USB Video. (page 27)*

Settings

The setting menu includes the following categories.

* ⊞ : General Settings (page 47)
* ♪ : Sound Settings (page 49)
* 🔳 : Visual Settings (page 51)
* 🎦 : Source Settings (page 52)

Basic setting operation

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

For example, when setting the Key Illumination:

1 Press (HOME), then touch "Settings."
The setting menu appears.

2 Touch ⊞, and move the scrollbar up and down, then touch "Key Illumination."
The general setting display appears.
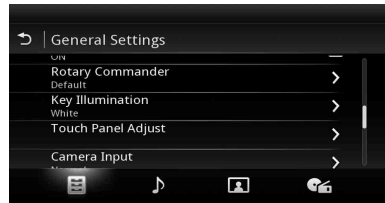
3 Move the scrollbar up and down to select the desired preset color, then press it.
The setting is complete.

To return to the previous display, touch ⤺.

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General Settings

Touch "Settings" → 🗒 → the desired item → the desired option. For details on this procedure, see "Basic setting operation" on page 46.

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

Item	Option	Purpose	Unit status
Clock Adjust (page 15, 17)	–	–	Any status
Language	**English (●), Français, Español, Português, Русский, Nederlands, Deutsch, Italiano**	To select the display language.	Any status
Name Characters	**Latin Characters (●), Russian Characters, Simplified Chinese, Traditional Chinese, Korean Characters, Thai Characters**	To select the character encoding.	Any status
Auto OFF Shuts off automatically after a desired time when no source is selected.	**OFF (●)**	To deactivate the Auto Off function.	Any status
	30 sec, 30 min, 60 min	To select the desired time.	
Demo	**ON (●)**	To activate the demonstration.	Any status
	OFF	To deactivate the demonstration.	
Beep	**ON (●)**	To activate the operation sound.	Any status
	OFF	To deactivate the operation sound.	
Rotary Commander Changes the operative direction of rotary commander controls.	**Default (●)**	To use in the factory-set position.	Any status
	Reverse	To use on the right side of the steering column.	

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Item	Option	Purpose	Unit status
Key Illumination (page 34)	**Rainbow (●) (12 preset colors, customized color and 5 preset patterns)**	To change the color of the buttons.	Any status
Touch Panel Adjust (page 45)	–	–	Any status
Camera Input Activates the video input from the connected rear view camera.	**OFF**	To deactivate the input.	Any status
	Normal (●)	To display the picture from the rear view camera when the back lamp lights up.	
	Reverse	To display the picture from the rear view camera when the shift lever is set to the R (reverse) position.	
Rear View Camera Setting (page 54)	–	–	Any status
Output Color System Changes the color system according to the connected monitor. (SECAM is not supported.)	**PAL (●)**	To set to PAL.	No source selected
	NTSC	To set to NTSC.	
Bluetooth Connection (page 36)	**ON**	To search from the Bluetooth device.	Any status
	OFF (●)	To not connect the Bluetooth device.	
Bluetooth Initialize＊	–	To initialize the Bluetooth settings.	Any status
Firmware Version	–	To update the Firmware version.	Any status
Open Source Licenses	–	To display the software licenses.	Any status

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

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Sound Settings

Touch "Settings" ➔ ♪ ➔ the desired item ➔ the desired option. For details on this procedure, see "Basic setting operation" on page 46.

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

Item	Option	Purpose	Unit status
EQ7 (page 42)	**OFF (●)**	To cancel the equalizer curve.	During reception/playback
	Xplod, Vocal, Edge, Cruise, Space, Gravity, Custom	To select the equalizer curve; customize the equalizer curve.	
Balance/Fader/Subwoofer (page 42)	**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 43) Sets the listening position and subwoofer position.	**Front L (●)**	To set to front left.	Any status
	Front R	To set to front right.	
	Front	To set to center front.	
	All	To set to the center of your car.	
	OFF	To not set the listening position.	
	Subwoofer: Near, Normal (●), Far	To select the subwoofer position. (Available only when "Subwoofer" is set to "ON," and the listening position is set to "Front L," "Front R," "Front," or "All.")	
	Custom	To precisely calibrate the listening position (page 43).	
RBE (Rear Bass Enhancer) (page 44) Uses rear speakers like subwoofers.	**OFF (●), RBE1, RBE2, RBE3**	To select the mode.	During reception/playback

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Item	Option	Purpose	Unit status
Crossover Filter Selects the cut-off frequency of the front/rear speakers (HPF) and subwoofer (LPF).	**LPF: 50 Hz, 60 Hz, 80 Hz, 100 Hz (●), 120 Hz**	To select the cut-off frequency. (Available only when "Subwoofer" is set to "ON.")	During reception/playback
	HPF: OFF (●)	To not cut out the frequencies.	
	HPF: 50 Hz, 60 Hz, 80 Hz, 100 Hz, 120 Hz	To select the cut-off frequency.	
	Subwoofer Phase: Normal (●), Reverse	To select the subwoofer phase. (Available only when "Subwoofer" is set to "ON.")	
Subwoofer Sets the subwoofer connection status.	**ON (●)**	To set the connection status to on.	No source selected
	OFF	To set the connection status to off.	
4.1ch Speaker Level (page 44)	–	–	No source selected

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Visual Settings

Touch "Settings" → [icon] → the desired item → the desired option. For details on this procedure, see "Basic setting operation" on page 46.

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

Item	Option	Purpose	Unit status
Dimmer Changes the display brightness.	**OFF**	To deactivate the dimmer.	
	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
Picture EQ*1 (page 45)	**Dynamic (●), Standard, Theater, Sepia**	To select the picture quality.	During video playback
	Custom 1, Custom 2	To customize the picture quality.	
Aspect*1*2 (page 46)	**Normal, Wide, Full (●), Zoom**	To select the screen aspect ratio.	During video playback

*1 *This setting is available only when the parking brake is set.*
*2 *When you change the screen aspect of USB Video, enter the option menu of USB Video. (page 27)*

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Source Settings

Touch "Settings" → 🎥 → the desired item → the desired option. For details on this procedure, see "Basic setting operation" on page 46.

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

| Item	Option	Purpose	Unit status
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.	
DVD Menu Language	**English (●), Chinese, German, French, Italian, Spanish, Portuguese, Dutch, Danish, Swedish, Finnish, Norwegian, Russian, Other**	To change the disc's menu language.	No source selected
DVD Audio Language	**English (●), Chinese, German, French, Italian, Spanish, Portuguese, Dutch, Danish, Swedish, Finnish, Norwegian, Russian, Other**	To change the soundtrack language.	No source selected
DVD Subtitle Language	**English (●), Chinese, German, French, Italian, Spanish, Portuguese, Dutch, Danish, Swedish, Finnish, Norwegian, Russian, Other**	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). *Excluding DVD-R/DVD-R DL/ DVD-RW in VR mode.*	**Standard (●)**	To select the standard setting.	No source selected
	Wide	To obtain the feeling of being at a live performance.	
Multi Channel Output Switches the method of outputting multi channel sources.	**Multi (●)**	To output in 4.1 channels.	No source selected
	Stereo	To downmix to 2 channels.	

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.	
DVD Playlist Play (For DVD-R/DVD-R DL/ DVD-RW in VR mode only)	**Original (●)**	To play titles as they were originally recorded.	No source selected
	Playlist	To play an edited playlist.	
Video CD PBC (page 20)	**ON (●)**	To play a VCD with PBC functions.	No source selected
	OFF	To play a VCD without PBC functions.	
Multi Disc Resume	**ON (●)**	To store the resume settings in memory for up to 5 video* discs. * *DVD VIDEO/VCD/Xvid/ MPEG-4 only.*	Any status
	OFF	To not store the resume settings in memory. Resume playback is available only for the current disc in the unit.	
Source Skip	–	To reduce the number of presses required to change sources. Check any unused sources in the Source skip screen. (pages 11, 14)	Any status

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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 AUX1 IN and AUX2 IN terminals on the unit.

Selecting an auxiliary device

1 **Press (HOME), then touch "AUX."**
   The AUX playback display appears.

2 **Touch "AUX1" or "AUX2" to select the device.**
   Operate via the portable device itself.

Adjusting the volume level

Be sure to adjust the volume for each connected device before playback.
The volume level is common to "AUX1" and "AUX2."

1 **Reduce the volume on the unit.**

2 **Press (HOME), then touch "AUX."**
   The AUX playback display appears.

3 **Touch ⊕≡ to open the menu, then touch "Adjust Input Level."**

4 **Set your usual listening volume on the unit.**

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

Setting the type of device

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

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

2 **Touch ⊕≡ to open the menu, then touch "AUX1 Input" or "AUX2 Input."**

3 **Touch "Audio" or "Video."**
   The setting is complete.

To return to the previous display, touch ↰.

Rear view camera

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

The picture from the rear view camera appears when:
– the back lamp lights up (or the shift lever is set to the R (reverse) position).
– you press (HOME) then touch "Rear Camera."*
– you press (DSPL) repeatedly.*

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

Note
When backing up your car, watch the surroundings carefully for safety. Do not depend on the rear view camera exclusively.

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 48).

Rear view camera settings

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

This setting is available only when:
– "Camera Input" is set to "Normal" or "Reverse" (page 48).
– the parking brake is applied.

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

2 **Touch ⊞.**

3 **Move the scrollbar up and down, then touch "Rear View Camera Setting."**
   The setting items appear.

Displaying marker lines

Touch ⊫.
Touch ⊫ again to hide the marker lines.

Editing lines

1 Touch ⬚ .


```
↺  │ Line Edit
         ①
1 ─■─              ← →
2 ─■─       ②       → ←
3 ─■─              ↑
         ③
                   ↓
Turn off engine but keep the key in the [IGN] position.   Reset
```
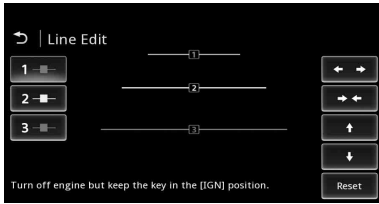
2 Select the line to edit.
Touch **1** ─■─ , **2** ─■─ or **3** ─■─
corresponding to the line to edit.

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 ↺ .

Precautions

- Cool off the unit beforehand if your car has been parked in direct sunlight.
- Do not leave the front panel or audio devices brought in inside the car, or it may cause damage or malfunction due to high temperature in direct sunlight (XAV-601BT only).
- 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.**
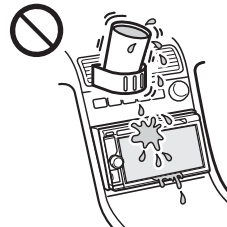
- Do not press on the LCD panel as doing so can distort the picture or cause a malfunction (i.e., the picture may become unclear, or the LCD panel may be damaged).
- Do not touch other than with the finger, as it may damage or break the LCD panel.
- Clean the LCD panel with a dry soft cloth. Do not use solvents such as benzine, thinner, commercially available cleaners, or antistatic spray.
- Do not use this unit outside the temperature range 5 – 45 ºC (41 – 113 ºF).
- 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.

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Notes on discs

- Do not expose discs to direct sunlight or heat sources such as hot air ducts, nor leave it in a car parked in direct sunlight.
- Before playing, wipe the discs with a cleaning cloth from the center out. Do not use solvents such as benzine, thinner, commercially available cleaners.
- This unit is designed to play discs that conform to the Compact Disc (CD) standard. DualDiscs and some of the music discs encoded with copyright protection technologies do not conform to the Compact Disc (CD) standard, therefore, these discs may not be playable by this unit.
- **Discs that this unit CANNOT play**
  – Discs with labels, stickers, or sticky tape or paper attached. Doing so may cause a malfunction, or may ruin the disc.
  – Discs with non-standard shapes (e.g., heart, square, star). Attempting to do so may damage the unit.
  – 8 cm (3 $^1/_4$ in) discs.

Note on playback operations of DVDs and VCDs

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

Notes on DATA CDs and DATA DVDs

- Some DATA CDs/DATA DVDs (depending on the equipment used for its recording, or the disc condition) may not play on this unit.
- Finalization is required for some discs (page 56).
- The unit is compatible with the following standards.
  For DATA CDs
  – ISO 9660 level 1/level 2 format, Joliet/Romeo in the expansion format
  – Multi Session
  For DATA DVDs
  – UDF Bridge format (combined UDF and ISO 9660)
  – Multi Border
- The maximum number of:
  – folders (albums): 256 (including root and empty folders).
  – files (tracks/videos) and folders contained in a disc: 2,000 (if a folder/file names contain many characters, this number may become less than 2,000).
  – displayable characters for a folder/file name: 64 (Joliet/Romeo).

Notes on finalizing discs
The following discs are required to be finalized to play on this unit.
- DVD-R/DVD-R DL (in video mode/VR mode)
- DVD-RW in video mode
- DVD+R/DVD+R DL
- CD-R
- CD-RW

The following discs can be played without finalization.
- DVD+RW – automatically finalized.
- DVD-RW in VR mode – finalization not required.

For details, refer to the manual supplied with the disc.

Notes on Multi Session CDs/Multi Border DVDs

This unit can play Multi Session CDs/Multi Border DVDs under the following conditions. Note that the session must be closed and the disc must be finalized.
- When CD-DA (Compact Disc Digital Audio) is recorded in the first session:
  The unit recognizes the disc as CD-DA and only CD-DA of the first session is played, even if another format (e.g., MP3) is recorded in other sessions.
- When CD-DA is recorded other than in the first session:
  The unit recognizes the disc as a DATA CD or DATA DVD, and all CD-DA sessions are skipped.
- When an MP3/WMA/AAC/Xvid/MPEG-4 is recorded:
  Only the sessions containing the selected file type (audio/video)* 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 23.*

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

56
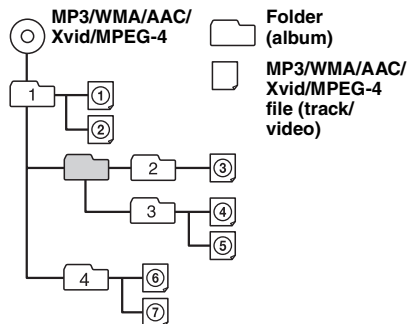
About WMA files

WMA*[1] files meeting the following requirements can be played. Playback is not be guaranteed for all WMA files meeting the requirements.

Codec for Disc
• Media File format: ASF file format
• File extension: .wma
• Bit rate: 64 to 192 kbps (Supports variable bit rate (VBR))
• Sampling frequency *[2]: 44.1 kHz

Codec for MSC
• Media File format: ASF file format
• File extension: .wma
• Bit rate: 64 to 192 kbps (Supports variable bit rate (VBR)) *[4]
• Sampling frequency *[2]: 44.1 kHz

About MP3 files

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

Codec for Disc
• Media File format: MP3 (MPEG-1 Layer3) file format
• File extension: .mp3
• Bit rate: 48 to 192 kbps (Supports variable bit rate (VBR))
• Sampling frequency *[2]: 32, 44.1, 48 kHz

Codec for MSC
• Media File format: MP3 (MPEG-1 Layer3) file format
• File extension: .mp3
• Bit rate: 32 to 320 kbps (Supports variable bit rate (VBR)) *[4]
• Sampling frequency *[2]: 32, 44.1, 48 kHz

About AAC files

AAC*[3] files meeting the following requirements can be played. Playback is not be guaranteed for all AAC files meeting the requirements.

Codec for Disc
• Media File format: MP4 file format
• File extension: .mp4, .m4a,
• Bit rate: 40 to 320 kbps (Supports variable bit rate (VBR))
• Sampling frequency *[2]: 44.1, 48 kHz

Codec for MSC
• Media File format: MP4 file format
• File extension: .mp4, .m4a, .3gp
• Bit rate: 48 to 288 kbps (Supports variable bit rate (VBR)) *[4]
• Sampling frequency *[2]: 8, 11.025, 12, 16, 22.05, 24, 32, 44.1, 48 kHz

About Linear PCM files

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

Codec for MSC
• Media File format: Wave-Riff file format
• File extension: .wav
• Bit rate: 1,411 kbps
• Sampling frequency *[2]: 44.1 kHz

About HE-AAC files

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

Codec for MSC
• Media File format: MP4 file format
• File extension: .mp4, .m4a, .3gp
• Bit rate: 32 to 144 kbps *[4]
• Sampling frequency *[2]: 8, 11.025, 12, 16, 22.05, 24, 32, 44.1, 48 kHz

About AVC (H.264/AVC) files

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

Codec for MSC
• Media File format: MP4 file format
• File extension: .mp4, .m4v
• Profile: Baseline Profile/Main Profile
• Level: 3.1
• Bit rate: Max. 14 Mbps
• Frame rate: Max. 30 fps (30p/60i)
• Resolution: Max. 1,280 x 720 *[5]

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.

Codec for Disc
• Media File format: MP4 file format
• File extension: .mp4
• Profile: Simple Profile
• Bit rate: Max. 10Mbps on DVD, 7Mbps on CD
• Frame rate: Max. 30 fps (30p/60i)
• Resolution: Max. 720 x 576 pixel
• Media File format: Xvid file format
• File extension: .avi, .xvid
• Profile: Advanced Simple Profile
• Bit rate: Max. 10Mbps on DVD, 7Mbps on CD
• Frame rate: Max. 30 fps (30p/60i)
• Resolution: Max. 720 x 576 *[5]

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Codec for MSC
- Media File format: MP4 file format
- File extension: .mp4, .m4v
- Profile: Simple Profile
- Bit rate: Max. 12 Mbps
- Frame rate: Max. 30 fps (30p/60i)
- Resolution: Max. 1,280 x 720 *[5]
- Media File format: MP4 file format
- File extension: .mp4, .m4v
- Profile: Advanced Simple Profile
- Bit rate: Max. 8 Mbps
- Frame rate: Max. 30 fps (30p/60i)
- Resolution: Max. 720 x 576 *[5]
- Media File format: Xvid file format
- File extension: .avi, .xvid
- Profile: Advanced Simple Profile
- Bit rate: Max. 8 Mbps
- Frame rate: Max. 30 fps (30p/60i)
- Resolution: Max. 720 x 576 *[5]

About Windows Media files

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

Codec for MSC
Video 9 *[1]*[6]
- Media File format: ASF file format
- File extension: .wmv
- Bit rate: Max. 20 Mbps
- Frame rate: Max. 30 fps (30p/60i)
- Resolution: Max. 1,280 x 720 *[5]

About JPEG files

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

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

*1 *Copyright protected WMA/WMV files cannot be played back.*
*2 *Sampling frequency may not correspond to all encoders.*
*3 *Copyright protected AAC-LC files cannot be played back.*
*4 *Non-standard bit rates or non-guaranteed bit rates are included depending on the sampling frequency.*
*5 *These numbers indicate the maximum resolution of playable video, and do not indicate the player's display resolution. The display resolution is 800 x 480.*
*6 *Some WMV files can be played back only by transferring using Windows Media Player.*

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

About iPod

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

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

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

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

About Bluetooth function

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

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On Bluetooth communication

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

Others

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

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

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

Maintenance

Replacing the lithium battery of the remote commander

Under normal conditions, the battery will last approximately 1 year. (The service life may be shorter, depending on the conditions of use.) When the battery becomes weak, the range of the remote commander becomes shorter. Replace the battery with a new CR2025 lithium battery. Use of any other battery may present a risk of fire or explosion.

+ side up
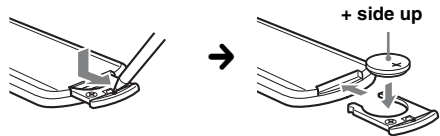
Notes on the lithium battery
- *Keep the lithium battery out of the reach of children. Should the battery be swallowed, immediately consult a doctor.*
- *Wipe the battery with a dry cloth to assure a good contact.*
- *Be sure to observe the correct polarity when installing the battery.*
- *Do not hold 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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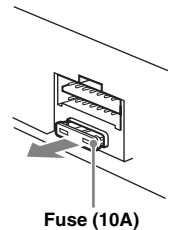
Cleaning the connectors
(XAV-601BT only)

The unit may not function properly if the connectors between the unit and the front panel are not clean. In order to prevent this, detach the front panel (page 15) and clean the connectors with a cotton swab. Do not apply too much force. Otherwise, the connectors may be damaged.
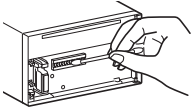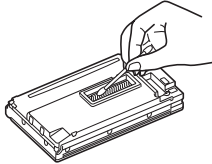
Main unit   **Back of the front panel**

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

Removing the unit

1 **Insert both release keys simultaneously until they click.**

XAV-741/701BT

Hook facing inwards.

XAV-601BT

Hook facing inwards.
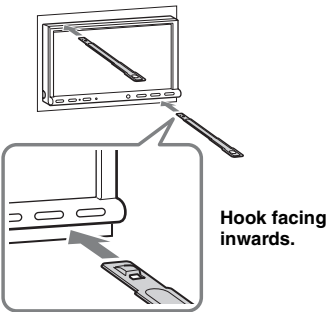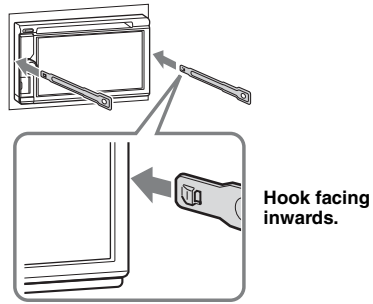
2 **Pull the release keys to unseat the unit.**

XAV-741/701BT
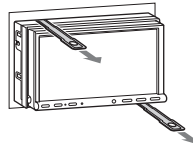
XAV-601BT
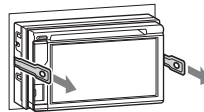
3 **Slide the unit out of the mounting.**

XAV-741/701BT

XAV-601BT

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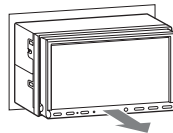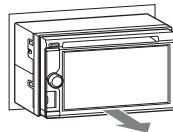
Specifications

Monitor section

Display type: Wide LCD color monitor
Dimensions:
XAV-741/701BT: 7.0 in
XAV-601BT: 6.1 in
System: TFT active matrix
Number of pixels:
1,152,000 pixels (800 × 3 (RGB) × 480)
Color system:
PAL/NTSC/SECAM/PAL-M/PAL-N automatic select

Tuner section

FM

Tuning range: 87.5 – 108.0 MHz
Antenna (aerial) terminal:
External antenna (aerial) connector
Intermediate frequency: 25 kHz
Usable sensitivity: 8 dBf
Selectivity: 75 dB at 400 kHz
Signal-to-noise ratio: 80 dB (mono)
Separation: 50 dB at 1 kHz
Frequency response: 20 – 15,000 Hz

AM

Tuning range: 531 – 1,602 kHz
Antenna (aerial) terminal:
External antenna (aerial) connector
Intermediate frequency:
9,124.5 kHz or 9,115.5 kHz/4.5 kHz
Sensitivity: 26 μV

DVD/CD Player section

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

USB Player section

Interface: USB (High-speed)
Maximum current: 1 A

Wireless Communication*1

Communication System:
Bluetooth Standard version 2.1 + EDR
Output:
Bluetooth Standard Power Class 2 (Max. +4 dBm)
Maximum communication range:
Line of sight approx. 10 m (33 ft)*2
Frequency band:
2.4 GHz band (2.4000 – 2.4835 GHz)
Modulation method: FHSS
Compatible Bluetooth Profiles*3:
A2DP (Advanced Audio Distribution Profile) 1.2
AVRCP (Audio Video Remote Control Profile) 1.3
HFP (Handsfree Profile) 1.5
PBAP (Phone Book Access Profile)
OPP (Object Push Profile)

*1 Applies to XAV-701BT/601BT 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 (front/rear)
Subwoofer output terminal
Power antenna (aerial)/Power amplifier control terminal (REM OUT)
Inputs:
Illumination control terminal
Remote controller input terminal
Antenna (aerial) input terminal
Parking break control terminal
Microphone input terminal (XAV-701BT/601BT only)
Reverse input terminal
Camera input terminal
AUX audio input terminals
AUX video input terminals
USB port
External input terminal
Power requirements: 12 V DC car battery (negative ground (earth))
Dimensions:
XAV-741/701BT:
Approx. 178 × 100 × 185 mm
(7 ^{1}/8 × 4 × 7 ^{3}/8 in) (w/h/d)
XAV-601BT:
Approx. 178 × 100 × 173 mm
(7 ^{1}/8 × 4 × 6 ^{7}/8 in) (w/h/d)
Mounting dimensions: Approx. 182 × 111 × 160 mm
(7 ^{1}/4 × 4 ^{3}/8 × 6 ^{3}/8 in) (w/h/d)
Mass:
XAV-741/701BT:
Approx. 2.4 kg (5 lb 5 oz)
XAV-601BT:
Approx. 2.0 kg (4 lb 7 oz)
Supplied accessories:
Parts for installation and connections (1 set)
Microphone (XAV-701BT/601BT only)
Remote Commander: RM-X271
Panel Case (XAV-601BT only)
Optional accessories/equipment:
USB and Video connection cable for iPod: RC-202IPV
Rear View Camera: XA-R800C

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

US and foreign patents licensed from Dolby Laboratories.

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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 "Disc playback prohibited by region code." will appear on the monitor screen. Depending on the DVD, no region code may be labeled even though playing the DVD is prohibited by area restrictions.

Troubleshooting

The following checklist will help you remedy problems you may encounter with your unit.
Before going through the checklist below, check the connection and operating procedures.

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

General

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

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

There is no beep sound.
• The beep sound is canceled (page 47).
• 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 51).
• 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 11).
  → 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 45).
• Touch the pressure sensitive panel firmly.

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.

The menu items cannot be selected.
Unavailable menu items are displayed in gray.

USB Music, USB Video, AUX and BT Audio cannot be selected as the source.
Some sources are not displayed on the Source select screen.
  → Remove the check mark from the source item you cannot select (page 53).

The monitor angle cannot be adjusted.
The monitor was opened while the unit was being reset.
  → Be sure to close the front panel before you reset the unit.

Radio reception

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

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

Automatic tuning is not possible.
The broadcast signal is too weak.
  → Perform manual tuning.

RDS

PTY displays "None."
- The current station is not an RDS station.
- RDS data has not been received.
- The station does not specify the program type.

Picture

There is no picture/picture noise occurs.
- A connection has not been made correctly.
- Check the connection to the connected equipment, and set the input selector of the equipment to the source corresponding to this unit.
- The disc is defective or dirty.
- Installation is not correct.
  - → Install the unit at an angle of less than 45° in a sturdy part of the car.
- The parking cord (light green) is not connected to the parking brake switch cord, or the parking brake is not applied.

The picture does not fit in the screen.
The aspect ratio is fixed on the DVD.

There is no picture/picture noise occurs in the rear monitor.
- A source/mode which is not connected is selected. If there is no input, no picture appears in the rear monitor.
- The color system setting is incorrect.
  - → Set the color system to "PAL" or "NTSC" according to the connected monitor (page 48).
- The picture of the rear view camera is displayed on this unit.
  - → No picture appears in the rear monitor if the picture of the rear view camera is displayed on this unit.

Sound

There is no sound/sound skips/sound cracks.
- A connection has not been made correctly.
- Check the connection to the connected equipment, and set the input selector of the equipment to the source corresponding to this unit.
- The disc is defective or dirty.
- Installation is not correct.
  - → Install the unit at an angle of less than 45° in a sturdy part of the car.
- The MP3 file sampling rate is not 32, 44.1, or 48 kHz.
- The WMA file sampling rate is not 32, 44.1, or 48 kHz.
- The AAC file sampling rate is not 44.1 or 48 kHz.
- The MP3 file bit rate is not 48 to 192 kbps.
- The WMA file bit rate is not 64 to 192 kbps.
- The AAC file bit rate is not 40 to 320 kbps.
- The unit is in pause/reverse/fast-forward mode.
- The settings for the outputs are not made correctly.
- The DVD output level is too low (page 21).
- The volume is too low.
- The ATT function is activated.
- The format is not supported (such as DTS).
  - → Check if the format is supported by this unit (page 9).

Sound is noisy.
Keep cords and cables away from each other.

Disc operation

The disc cannot be loaded.
- Another disc is already loaded.
- The disc has been forcibly inserted upside down or in the wrong way.

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

MP3/WMA/AAC/Xvid/MPEG-4 files do not play.
- Recording was not performed according to the ISO 9660 level 1 or level 2 format or the Joliet or Romeo expansion format (DATA CD), or the UDF Bridge format (DATA DVD) (page 56).
- The file extension is incorrect (page 57).
- Files are not stored in MP3/WMA/AAC/Xvid/ MPEG-4 format.
- If the disc contains multiple file types, only the selected file type (audio/video) can be played.
  - → Select the appropriate file type using the list (page 23).

MP3/WMA/AAC/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 53) has taken effect.

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

The soundtrack/subtitle language or angle cannot be changed.
- Use the DVD menu instead of the direct selection button on the remote commander (page 18).
- 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).

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.

The sound is intermittent.

- The sound may be intermittent at a high bit rate of more than 320 kbps.
- During USB Video playback, if the playback is intermittent:
- Press (HOME) or launch the System settings.
- During the USB Photo, etc.

Bluetooth function (XAV-701BT/601BT only)

The other Bluetooth device cannot detect this unit.

- Set "Signal" to "ON" (page 41).
- 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.

Connection is not possible.

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 "Internal" (page 40).

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 38).

Echo or noise occurs during call conversations.

- Reduce the volume.
- "Speech Quality" is set to "Mode 1."
  → Set "Speech Quality" to "Mode 2" (page 40).
- 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 39).
- 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 "3 sec" or "10 sec" (page 40).

Pairing failed due to time out.

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

The Bluetooth function cannot be operated.

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

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

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

Error displays/messages

An error occurred. You will be returned to the playback screen.

Visualizer is not operating due to an internal error.
→Change to another source, then select USB Music.

Bluetooth Connection Error

An error has occurred between this unit and the BT phone.
→Check the BT signal is set to ON for this unit or the BT phone.
→Try pairing again.
→Reconnect the BT phone.

Bluetooth device is not found.

• The unit cannot detect a connectable Bluetooth device.
→Check the Bluetooth setting of the connecting device.
• No device is in the list of registered Bluetooth device.
→Perform pairing with a Bluetooth device (page 36).

Busy now… Please try again.

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

Call Data Error

An error has occurred while accessing phonebook data via PBAP or call history from the BT phone.
→Reconnect the BT phone.

Cannot display folders beyond this level. Place songs no more than eight folders deep.

While browsing contents, a level beyond eight was selected.
→This unit can display folders a maximum of eight folders deep. Transfer contents beyond this level.

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.

Database error encountered.

A database error was encountered due to a problem.
→Change to another source, then select USB Music.

Database update couldn't be completed.

Database update was canceled due to a problem.
→Try to update the database again.

Data Listing Error

An error has occurred while displaying phonebook data via PBAP or call history from the BT phone.
→Reconnect the BT phone.

Delete failed.

Video contents cannot be deleted due to a problem.
→Try to delete it again. Otherwise, delete it using a PC, etc.

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 playback prohibited by region code.

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

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

A memory error has occurred.
→Initialize the Bluetooth setting (page 41).

Handsfree device is not available.

A cellular phone is not connected.
→Connect a cellular phone (page 36).

High Temperature Error

An error has occurred due to a high temperature.
→Lower the temperature.

iPod video cable reconnected. Reconnect the USB cable.

The iPod video cable is unplugged and plugged.
→Unplug the USB cable, then plug it in again.

New firmware not found.

• There is no firmware update available in the USB memory.
→Try to update to the latest version of firmware.
• The firmware file is damaged or corrupted.
→Rewrite the file in the USB memory.

No audio, confirm smartphone compatibility.

• The sound adjustment of the smartphone is incorrect.
→Check the smartphone's sound adjustment.
• The smartphone is not compatible with MirrorLink™.
→Check the smartphone's compatibility with MirrorLink™ (page 33).

No Device

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

No Playable Data

• The disc does not contain playable data.
• The iPod has no playable data.
→Insert a music or video file into the iPod.

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 has stopped because an error occurred.

Playback of video contents stopped due to a problem.
→ Select another source, then select USB Video.

Remove failed.

Photo contents cannot be deleted due to a problem.
→ Try to delete it again. Otherwise delete it by using PC, etc.

Screen content blocked while vehicle in motion.

MirrorLink™ is being operated while driving.
→ Some MirrorLink™ functions are restricted while driving.

Set wallpaper failed.

• The file is damaged or corrupted.
→ Select another photo.
• The file size is too large.
→ Minimize the size of the picture, then try again.

Smartphone Connection Error

• The smartphone is not connected with this unit.
→ Check the connection between this unit and the smartphone.
• The smartphone is turned off.
→ Check the power supply of the smartphone.
• The smartphone is not compatible with MirrorLink™.
→ Check the smartphone's compatibility with MirrorLink™ (page 33).

The application will quit because an error occurred.

An internal error has occurred.
→ Change to another source, then select USB Music.

The playback list is empty.

The playlist contains unplayable files.
→ Check if any contents in the USB application are playable.

The sound in DTS format is not audible.

Discs in DTS format are not supported. Sound is not output if the DTS format is selected.
→ DTS formatted disks are not playable on this unit. Use a compatible disc format (page 9).

USB device not supported

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

USB hub not supported

USB hubs are not supported on this unit.

"□"

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 list

Language code list

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

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

Support site

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

http://www.sony-asia.com/section/support
http://www.sony-asia.com/caraudio/

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