SONY ®

DVD Home Theatre System

DAV-F300/F310

WARNING

To reduce the risk of fire or electric shock, do not expose this apparatus to dripping or splashing, and do not place objects filled with liquids, such as vases, on the apparatus.
To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.
To reduce the risk of fire, do not cover the ventilation opening of the apparatus with newspapers, tablecloths, curtains, etc.
Do not place the naked flame sources such as lighted candles on the apparatus.
As the main plug is used to disconnect the unit from the mains, connect the unit to an easily accessible AC outlet. Should you notice an abnormality in the unit, disconnect the main plug from the AC outlet immediately.
Do not install the appliance in a confined space, such as a bookcase or built-in cabinet.
Do not expose batteries or apparatus with battery-installed to excessive heat such as sunshine, fire or the like.
The unit is not disconnected from the mains as long as it is connected to the AC outlet, even if the unit itself has been turned off.

CAUTION

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

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

This symbol on the product or on its packaging indicates that this product shall not be treated as household waste. Instead it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. The recycling of materials will help to conserve natural resources. For more detailed information about recycling of this product, please contact your local Civic Office, your household waste disposal service or the shop where you purchased the product.
Applicable accessories: Remote Control.

Disposal of waste batteries (applicable in the European Union and other European countries with separate collection systems)

This symbol on the battery or on the packaging indicates that the battery provided with this product shall not be treated as household waste.
On certain batteries this symbol might be used in combination with a chemical symbol. The chemical symbols for mercury (Hg) or lead (Pb) are added if the battery contains more than 0.0005% mercury or 0.004% lead. By ensuring these batteries are disposed of correctly, you will help prevent potentially negative consequences for the environment and human health which could otherwise be caused by inappropriate waste handing of the battery. The recycling of the materials will help to conserve natural resources. In case of products that for safety, performance or data integrity reasons require a permanent connection with an incorporated battery, this battery should be replaced by qualified service staff only. To ensure that the battery will be treated properly, hand over the product at end-of -life to the applicable collection point for the recycling of electrical and electronic equipment. For all other batteries, please view the section on how to remove the battery from the product.

CLASS 1 LASER PRODUCT
LUOKAN 1 LASERLAITE
KLASS 1 LASERAPPARAT
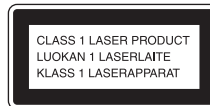
This appliance is classified as a CLASS 1 LASER product. This marking is located on the rear exterior of control unit.

Notice for customers: The following information is only applicable to equipment sold in countries applying EU Directives.

The manufacturer of this product is Sony Corporation, 1-7-1 Konan Minato-ku Tokyo, 108-0075 Japan. The Authorized Representative for EMC and product safety is Sony Deutschland GmbH, Hedelfinger Strasse 61, 70327 Stuttgart, Germany. For any service or guarantee matters please refer to the addresses given in separate service or guarantee documents.

Table of Contents

About This Operating Instructions

- The instructions in this Operating Instructions describe the controls on the remote. You can also use the controls on the control unit if they have the same or similar names as those on the remote.
- The Control Menu items may vary depending on the area.
- "DVD" may be used as a general term for a DVD VIDEO, DVD+RW/DVD+R, and DVD-RW/DVD-R.
- The default setting is underlined.

System go to standby mode automatically

When system is in pause, stop, open, no disc mode of DVD/CD source, system will go to standby mode automatically after 30 minutes.

The description in this manual might be different from the OSD (On Screen Display) because of the display restriction.

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Playable Discs

Type	Disc logo	Characteristics	Icon
DVD VIDEO	**DVD** VIDEO™ **DVD** R R4.7 **DVD** R W **RW** DVD+R **RW** DVD+ReWritable **RW** DVD+R DL	• DVD VIDEO • DVD-R/DVD-RW in DVD VIDEO format or video mode • DVD+R/DVD+RW in DVD VIDEO format	**DVD-V**
VIDEO CD	COMPACT **disc** DIGITAL VIDEO	• VIDEO CD (Ver. 1.1 and 2.0 discs) • Super VCD • CD-R/CD-RW/CD-ROM in video CD format or Super VCD format	**VIDEO CD**
CD	COMPACT **disc** DIGITAL AUDIO	• Audio CD • CD-R/CD-RW in audio CD format	**CD**
DATA CD	–	• CD-R/CD-RW/CD-ROM in DATA CD format, containing MP3 files[1], JPEG image files[2], and DivX video files[3], and conforming to ISO 9660[4] Level 1/Level 2, or Joliet (extended format)	**DATA-CD**
DATA DVD	–	• DVD-ROM/DVD-R/DVD-RW/DVD+R/DVD+RW in DATA DVD format, containing MP3 files[1], JPEG image files[2], and DivX video files[3], and conforming to UDF (Universal Disk Format)	**DATA DVD**

[1] MP3 (MPEG1 Audio Layer 3) is a standard format defined by ISO/MPEG for compressed audio data. MP3 files must be in MPEG1 Audio Layer 3 format.

[2] JPEG image files must conform to the DCF image file format. (DCF "Design rule for Camera File system": Image standards for digital cameras regulated by Japan Electronics and Information Technology Industries Association (JEITA).)

[3] DivX® is a video file compression technology, developed by DivX, Inc. This product is an official DivX® Certified.

[4] A logical format of files and folders on CD-ROMs, defined by ISO (International Organization for Standardization).

"DVD-RW," "DVD+RW," "DVD+R,""DVD VIDEO," and the "CD" logos are trademarks.

Example of discs that the system cannot play

The system cannot play the following discs:
• CD-ROM/CD-R/CD-RW other than those recorded in the formats listed on page 4
• CD-ROM recorded in PHOTO CD format
• Data part of CD-Extra
• CD Graphics disc
• DVD Audio
• DVD-RAM
• Super Audio CD

Also, the system cannot play the following discs:
• A DVD VIDEO with a different region code (page 6)
• A disc that has a non-standard shape (e.g., card, heart)
• A disc with paper or stickers on it
• A disc that has the adhesive of cellophane tape or a sticker still left on it
• DVD-R/DVD-RW/DVD+R/DVD+RW in VR (Video Recording) mode

Note about CD-R/CD-RW/DVD-R/DVD-RW/DVD+R/DVD+RW

In some cases, CD-R/CD-RW/DVD-R/DVD-RW/DVD+R/DVD+RW cannot be played on this system due to the recording quality or physical condition of the disc, or the characteristics of the recording device and authoring software.
The disc will not play if it has not been correctly finalized. For more information, refer to the operating instructions for the recording device.
Note that some playback functions may not work with some DVD+RWs/DVD+Rs, even if they have been correctly finalized. In this case, view the disc by normal playback. Also some DATA CDs/DATA DVDs created in Packet Write format cannot be played.

Music discs encoded with copyright protection technologies

This product is designed to play back discs that conform to the Compact Disc (CD) standard.
Recently, various music discs encoded with copyright protection technologies are marketed by some record companies. Please be aware that among those discs, there are some that do not conform to the CD standard and may not be playable by this product.

Note on DualDiscs

A DualDisc is a two sided disc product which mates DVD recorded material on one side with digital audio material on the other side. However, since the audio material side does not conform to the Compact Disc (CD) standard, playback on this product is not guaranteed.

About Multi Session CD

- This system can play a Multi Session CD when an MP3 file is contained in the first session. Any subsequent MP3 files recorded in later sessions can also be played back.
- This system can play a Multi Session CD when a JPEG image file is contained in the first session. Any subsequent JPEG image files recorded in later sessions can also be played back.
- If MP3 files and JPEG image files in music CD format or video CD format are recorded in the first session, only the first session will be played back.

Region code

Your system has a region code printed on the rear of the control unit and will only play a DVD labeled with the same region code.

A DVD VIDEO labeled ⊕ will also play on this system.
If you try to play any other DVD VIDEO, the message [Wrong Region] will appear on the TV screen. Depending on the DVD VIDEO, no region code indication may be given even though playing the DVD VIDEO is prohibited by area restrictions.

Note about playback operations of a DVD or VIDEO CD

Some playback operations on a DVD or VIDEO CD may be intentionally set by software producers. Since this system will play a DVD or VIDEO CD according to the disc contents the software producers designed, some playback features may not be available. Be sure to read the operating instructions supplied with the DVD or VIDEO CD.

Copyrights

This product incorporates copyright protection technology that is protected by U.S. patents and other intellectual property rights. Use of this copyright protection technology must be authorized by Macrovision, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision. Reverse engineering or disassembly is prohibited.

This system incorporates with Dolby* Digital and the DTS** Digital Surround System.

* Manufactured under license from Dolby Laboratories.
  Dolby, Pro Logic, and the double-D symbol are trademarks of Dolby Laboratories.
** Manufactured under license under U.S. Patent #'s: 5,451,942; 5,956,674; 5,974,380; 5,978,762; 6,487,535 & other U.S. and worldwide patents issued & pending.
  DTS and the Symbol are registered trademarks & DTS Digital Surround and the DTS logos are trademarks of DTS, Inc. Product includes software. © DTS, Inc. All Rights Reserved.

ABOUT DIVX VIDEO: DivX® is a digital video format created by DivX, Inc. This is an official DivX Certified device that plays DivX video. Visit www.divx.com for more information and software tools to convert your files into DivX video.
ABOUT DIVX VIDEO-ON-DEMAND: This DivX Certified® device must be registered in order to play DivX Video-on-Demand (VOD) content. To generate the registration code, locate the DivX VOD

section in the device setup menu. Go to www.divx.com/vod with this code to complete the registration process and learn more about DivX VOD.

DivX® is a registered trademark of DivX, Inc., and is used under license.

This system incorporates High-Definition Multimedia Interface (HDMI™) technology.
HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC.

"BRAVIA" is a trademark of Sony Corporation.
MPEG Layer-3 audio coding technology and patents licensed from Fraunhofer IIS and Thomson.

Windows Media is a registered trademark of Microsoft Corporation in the United States and/or other countries.

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Getting Started

Checking the supplied items

• Control unit (1)
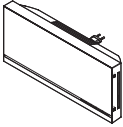
• Front speakers (2)
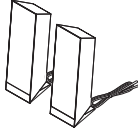
• Remote commander (remote) (1)

• Subwoofer (1)
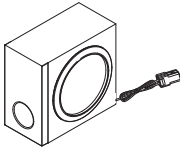
• FM wire antenna (aerial) (1)

• R6 (size AA) batteries (2)

• Video cord (1)

• Foot (subwoofer) (1)

• Operating Instructions (this manual)

Preparing the remote

To insert batteries into the remote

Insert two R6 (size AA) batteries (supplied) by matching the $\oplus$ and $\ominus$ ends on the batteries to the markings inside the compartment.
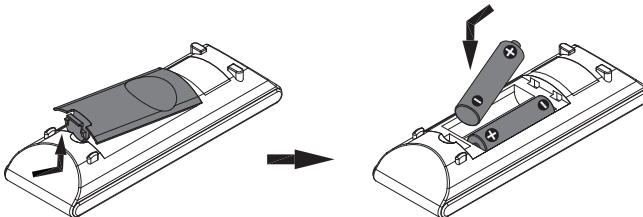
Notes

• Do not leave the remote in an extremely hot or humid place.
• Do not use a new battery with an old one.
• Do not drop any foreign object into the remote casing, particularly when replacing the batteries.
• If you do not intend to use the remote for an extended period of time, remove the batteries to avoid possible damage from battery leakage and corrosion.

To attach the foot pads to the subwoofer
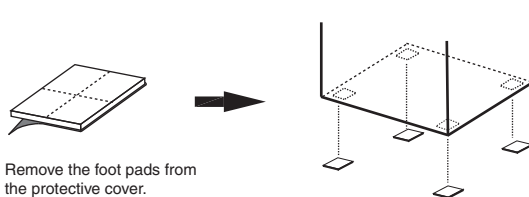
Remove the foot pads from
the protective cover.

Note
• Use caution when placing the speakers and/or speaker stands attached to the speakers on a specially treated (waxed, oiled, polished, etc.) floor, as staining or discoloration may result.

Step 1: Positioning the System

For the best possible surround sound, all the speakers other than the subwoofer should be placed at the same distance from the listening position (Ⓐ).

Ⓐ Front speaker (L (left))
Ⓑ Front speaker (R (right))
Ⓒ Subwoofer
Ⓓ Control unit
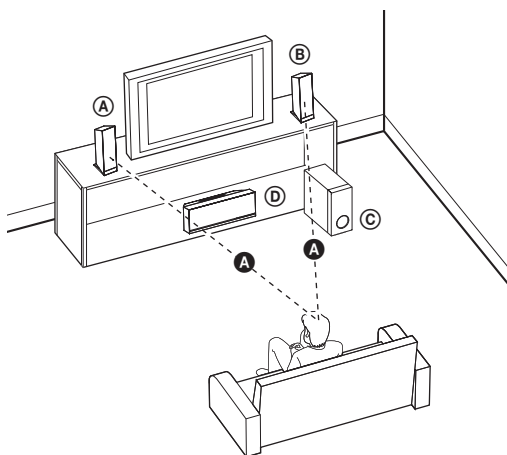
Step 2: Connecting the System

Notes

• Be sure to make connections securely to avoid hum and noise.

• When you connect another component with a volume control, turn up the volume of the other components to a level where sound is not distorted.

Connecting the Speaker
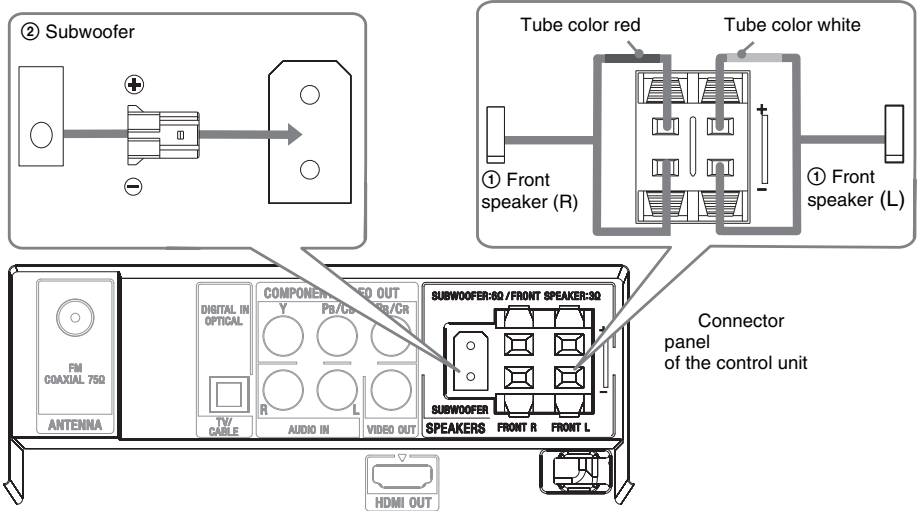
Connecting the TV

Be sure to disconnect the AC power cords of all components from their wall outlets (mains) before making connections.

When the TV has the digital optical output jack, you can improve sound quality by connecting with the digital cord (Ⓐ).

For video output to your TV, check the video input jacks of the TV, and select connection method Ⓐ, Ⓑ, or Ⓒ. Picture quality improves in order from Ⓐ (standard) to Ⓒ (HDMI).

To listen to TV sound from the speakers of the system, connect the TV and the system with the audio cord (not supplied) (Ⓑ).

A Digital optical cord (not supplied)

DIGITAL IN OPTICAL

TV/CABLE

To the digital optical output jack of the TV

B Component video cord (not supplied)*

Green
Blue
Red

Red
Blue
Green

To the COMPONENT VIDEO IN jacks of the TV

Connector panel of the control unit

COMPONENT VIDEO OUT
Y PB/CB PR/CR

DIGITAL IN OPTICAL

FM COAXIAL 75Ω

ANTENNA

TV/CABLE

AUDIO IN

VIDEO OUT

SUBWOOFER:6Ω /FRONT SPEAKER:3Ω

SUBWOOFER

SPEAKERS FRONT R FRONT L

R L

HDMI OUT

B Audio cord (not supplied)

White
Red

AUDIO IN

To the AUDIO OUT jacks of the TV

C HDMI** cable (not supplied)

HDMI OUT

To the HDMI IN jack of the TV

A Video cord (supplied)

Yellow

VIDEO OUT

To the VIDEO IN jack of the TV

* If your TV accepts progressive format signals, use this connection and set the output signal of the system to progressive format.

** HDMI (High-Definition Multimedia Interface)

If your TV has the HDMI jack, use this connection and select the type of output signal.

Notes

- When connecting the jack, insert the plug into the jack as far as it will go.
- When connecting the digital optical cord, insert the connector until it clicks (**A**).
- The system can accept both digital and analog signals. Digital signals have priority over analog signals. (COAXIAL has priority over OPTICAL.) If the digital signal ceases, the analog signal will be processed after 2 seconds.

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To change the color system (PAL or NTSC)

1 **Turn on your TV and select the video input.**

2 **Press I/**⏻ **to turn on the system.**

3 **Press FUNCTION repeatedly or DVD/CD to switch the function to DVD/CD.**

Playback starts automatically if a disc with auto playback function is loaded. Press ■ twice to stop playback.

4 **Press SETUP in stop mode.**

The Setup Menu appears.

5 **Press ←/→ repeatedly to select "Preference Page", then press ⊕ .**

6 **Press ↑/↓ repeatedly to select "TV Type", then press ⊕ .**

7 **Press ↑/↓ repeatedly to select PAL/Multi/NTSC from the displayed list, then press ⊕ .**

8 **Press SETUP to turn off the Setup Menu.**

Notes

• A disturbance on the TV screen may be present for a moment after changing the color system as described above.

• HDMI cannot the color system setting.

• If you find the picture image may be distorted, you can operate as below to default color system setting:

  – Press ▲ to take out the disc (in no disc mode).

  – Press 🗔 DISPLAY.

  – Press ⊕ .

Connecting the FM wire antenna (aerial)

FM wire antenna (aerial) (supplied)

Connector panel of the control unit
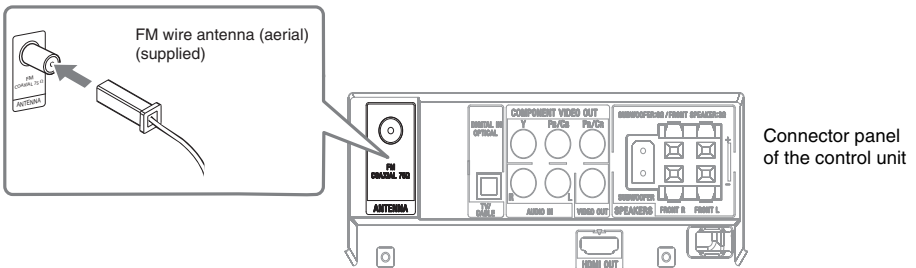
Tip

• If you have poor FM reception, use a 75-ohm coaxial cable (not supplied) to connect the control unit to an outdoor FM antenna (aerial) as shown below.

Outdoor FM antenna (aerial)   Connector panel of the control unit

12^{GB}
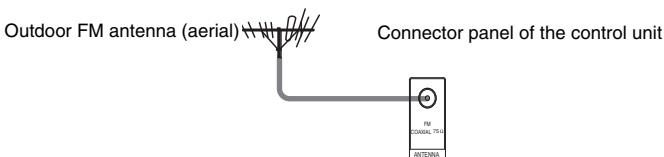
Playing a Disc

DVD-V VIDEO CD C D DATA-CD DATA DVD

Depending on the DVD VIDEO or VIDEO CD, some operations may be different or restricted. Refer to the operating instructions.
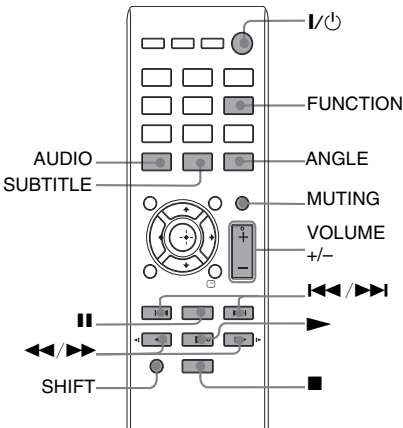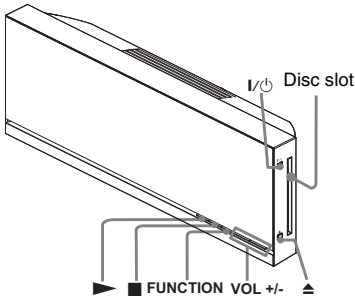
1 Turn on your TV.

2 Switch the input selector on the TV to this system.

3 Press I/⏻.

The system turns on.

Unless the system is set to "DVD", press FUNCTION repeatedly or DVD/CD to switch the function to DVD/CD.

"NO DISC" appears on the front panel display and the system is ready for loading the disc.

4 Load a disc.

Push the disc into the disc slot until the disc is pulled in automatically.

Labeled side facing to the front
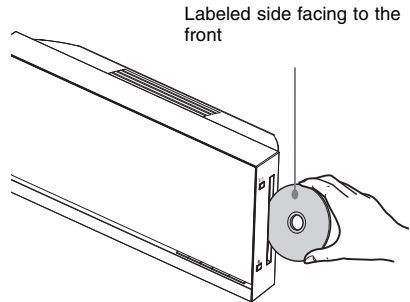
The disc is drawn into the control unit automatically, then auto play starts.

5 Press VOLUME +/– to adjust the volume.

The volume level appears on the TV screen and on the front panel display.

Notes
- When the system is turned off, do not push a disc into the control unit.
- Depending on the system status, the volume level may not appear on the TV screen.

To turn the system off

Press I/⏻ while the system is on. The system enters standby mode.

13^{GB}

Other operations

To	Press
Stop	■
Pause	❚❚
Resume play after stop/pause	▶/❚❚
Go to the next chapter, track, MP3/WMA/JPEG/DivX files or scene	▶▶❙
Go back to the preceding MP3/WMA/JPEG files	❙◀◀
Go back to the preceding chapter, track DivX files or scene	❙◀◀ twice. When you press ❙◀◀ once, you can go to the beginning of the current chapter, track, or scene.
Turn off the sound temporarily	MUTING. To cancel, press it again or VOLUME + to adjust the sound volume.
Stop play and remove the desired disc	⏏
Locate a point quickly by playing a disc in fast forward or fast reverse (Scan)[1][2]	▶▶/❙▶ or ◀❙/◀◀ while playing a disc. Each time you press ▶▶/❙▶ or ◀❙/◀◀ during scan, the playback speed changes. To return to normal speed, press ▶. Actual speeds may differ with some discs.
Watch frame by frame (Slow-motion Play)[3]	▶▶/❙▶ or ◀❙/◀◀[4] while the system is in pause mode. Each time you press ▶▶/❙▶ or ◀❙/◀◀[4] during Slow-motion Play, the playback speed changes. Two speeds are available. To return to normal playback speed, press ▶.

[1]Except for JPEG image files.

[2]Scan speeds may differ with some discs.

[3]DVD VIDEO, DivX, VIDEO CD only.

[4]Only DVD Video: the operation of Slow Reverse.

Note
• You may not be able to use the instant replay or instant advance function with some scenes.

Displaying multi-angles and subtitles

To change the angles

DVD-V

If various angles (multi-angles) for a scene are recorded on a DVD VIDEO, you can change the viewing angle.

Press ANGLE during playback to select the desired angle.

Note
• Depending on the DVD VIDEO, you may not be able to change the angle even if multi-angles are recorded on the DVD VIDEO.

To display the subtitles

DVD-V   DATA-CD   DATA DVD

If subtitles are recorded on a disc, you can turn the subtitles on/off during playback. If multilingual subtitles are recorded on the disc, you can change the subtitle language during playback, or turn the subtitles on/off whenever you want.

Press SUBTITLE during playback to select the desired subtitle language.

Notes
• Depending on the DVD VIDEO, you may not be able to change the subtitles even if multilingual subtitles are recorded on the disc. You also may not be able to turn them off.
• You can change the subtitles if the DivX video file has an ".AVI" or ".DIVX" extension and contains subtitle information within the same file.

Changing the sound

DVD-V VIDEO CD C D DATA-CD DATA DVD

When the system is playing a DVD VIDEO or
DATA CD/DATA DVD (DivX video files)/
USB/MPEG4 recorded in multiple audio
formats (PCM, Dolby Digital, MPEG audio, or
DTS), you can change the audio format. If the
DVD VIDEO is recorded with multilingual
tracks, you can also change the language.
With a VIDEO CD, CD, DATA CD, or DATA
DVD, you can select the sound from the right or
left channel and listen to the sound of the
selected channel through both the right and left
speakers.

**Press AUDIO repeatedly during playback to
select the desired audio signal.**

■ DVD VIDEO

Depending on the DVD VIDEO, the choice of
language varies.

■ VIDEO CD/CD

- [Stereo]: The standard stereo sound.
- [Mono Left]: The sound of the left channel
  (monaural).
- [Mono Right]: The sound of the right channel
  (monaural).

■ SVCD (only audio track 1)

- [Stereo]: The standard stereo sound.
- [Mono Left]: The sound of the left channel
  (monaural).
- [Mono Right]: The sound of the right channel
  (monaural).

■ SVCD (audio track 1-2)

- [Audio 1]: The stereo sound of audio track 1.
- [Audio 2]: The stereo sound of audio track 2.

■ DATA CD (DivX video file) /DATA DVD
(DivX video file)/USB/MPEG4

The choice of DATA CD/DATA DVD/USB/
MPEG4 audio signal formats differ, depending
on the DivX video file contained on the disc.
The format is shown in the display.

Note

- While the system is playing a Super VCD on which
  the audio track 2 is not recorded, no sound will come
  out when you select [Stereo], [Mono Left] or [Mono
  Right].

Displaying the audio information of the disc

DVD-V DATA-CD DATA DVD

When you press AUDIO repeatedly during play,
the audio signal format is displayed on the TV
screen.
For example, in Dolby Digital format, multiple
signals ranging from monaural to 5.1 channel
signals can be recorded on a DVD. Depending
on the DVD, the number of recorded channels
may differ.

Audio format

Audio   1/3: Dolby Digital English

15GB
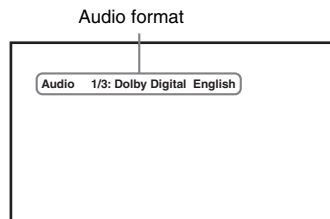
Playing a VIDEO CD with PBC functions (Ver.2.0)

(PBC Playback)

VIDEO CD

With PBC (Playback Control) functions, you can enjoy simple interactive operations, search functions, and other such operations.
PBC playback allows you to play a VIDEO CD interactively by following the menu on the TV screen.

1 Start playing a VIDEO CD with PBC functions.

The menu for your selection appears.

2 Press SHIFT + number buttons to select the desired item number.

3 Press ⊕.

4 Follow the instructions in the menu for interactive operations.

Refer to the operating instructions supplied with the disc, as the operating procedure may differ depending on the VIDEO CD.

To go back to the menu

Press DVD MENU.

To cancel playback with PBC functions

Press SHIFT + number buttons to select the item number you want in stop mode.

Resuming playback from the point where you stopped the disc

(Resume Play)

DVD-V **VIDEO CD** **C D**

When you stop the disc, the system remembers the point where you pressed ■.

1 While playing a disc, press ■ to stop playback.

"Press Play Key To Continue" appears on the TV.

2 Press ►.

The system starts playback from the point where you stopped the disc in Step 1.

Notes

- Depending on where you stop the disc, the system may not resume playback from exactly the same point.
- The point where you stopped playing may be cleared when:
  – the system enters standby mode (DATA CD/ DATA DVD only).
  – you change or reset the settings on the Setup Display.
  – you change the parental control level.
  – you change the function by pressing FUNCTION.
  – you disconnect the AC power cord (mains lead).
- For a VIDEO CD, CD, DATA CD, or DATA DVD, the system remembers the resume playback point for the current disc.
- This function may not work properly with some discs.
- MP3 and WMA file cannot do resume. Except for the DivX file.

Tip

- To play from the beginning of the disc, press ■ twice, then press ►.

Using Play Mode
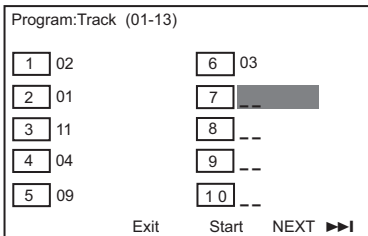
Creating your own program

(Program Play)

CD

You can play the contents of a disc in the order you want by arranging the order of the tracks on the disc to create your own program. You can program up to 20 tracks.

1 Press and hold SHIFT + REPEAT/PGM 3 seconds.

The Program Menu display appears on the TV screen.

■ CD

```
Program:Track  (01-13)

  1   02          6   03
  2   01          7   ___
  3   11          8   __
  4   04          9   __
  5   09         10   __

           Exit   Start   NEXT ▶▶|
```

2 Press SHIFT + number buttons to select the desired track.

For example, select track [2].
Press SHIFT + 0 + 2.

3 Press ←/↑/↓/→ to select [Start] to play the Program.

To turn off the Control Menu display

Press SHIFT + REPEAT/PGM while the display for the program setting is not displayed on the TV screen, or select [Exit] in Step 3.

Note

• When the program play is stopped or selected Repeat option, the program is canceled.

Playing repeatedly

(Repeat/Shuffle Play)

DVD-V　**VIDEO CD**　**CD**　**DATA-CD**　**DATA DVD**

You can play the contents on a disc or USB repeatedly. You can choose a repeat/shuffle play mode during play.

1 Press SHIFT + REPEAT/PGM repeatedly to select the play mode.

■ DVD VIDEO
• [↻ Chapter]: Repeats the current chapter.
• [↻ Title]: Repeats the current title.
• [↻ ALL]: Repeats all the titles on the disc.
• [Shuffle]: Play a disc in shuffle order.
• [↻ Shuffle]: Repeats shuffle play.
• [↻ Off]: Repeats off.

■ VIDEO CD/SVCD/CD
• [↻ Track]: Repeats the current track.
• [↻ ALL]: Repeats all the tracks on the disc.
• [Shuffle]: Play a disc in shuffle order.
• [↻ Shuffle]: Repeats shuffle play.
• [↻ Off]: Repeats off.

■ DATA CD/DATA DVD
• [Shuffle]: Play all the files in shuffle order.
• [Random]: Play all the files in random order.
• [Single]: Play the current file.
• [↻ One]: Repeats the current file.
• [↻ Folder]: Repeats the current folder.
• [Folder]: You can repeat the current folder.

Notes
• Repeat options vary depending on the disc type.
• When playing the VIDEO CD/SVCD, you need to operate as below to default PBC Off:
  – Press ■ twice.
  – Press SHIFT + number buttons you want.
  – Press ⊕ .

Disc

17^{GB}

Searching/Selecting a Disc

DVD TOP MENU

←/↑/↓/→, ⊕

SHIFT

Number buttons

DVD MENU

DISPLAY
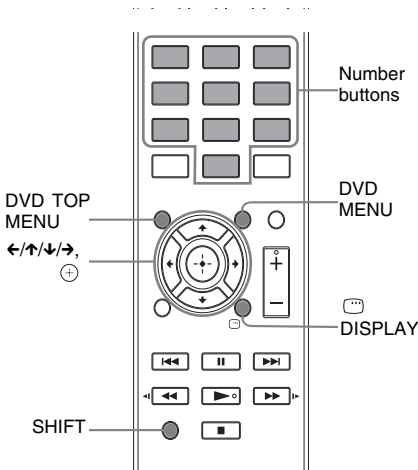
Using the DVD's menu

DVD-V

A DVD is divided into a lot of sections, which make up a picture or music feature. These sections are called "titles". When you play a DVD which contains several titles, you can select the title you want using DVD TOP MENU.
When you play a DVD that allows you to select items such as the language for the subtitles and the language for the sound, select these items using DVD MENU.

Using the VCD's menu

VIDEO CD

1 Press DVD MENU.

The disc's menu appears on the TV screen.

2 Press SHIFT + number buttons to select the item you want to play or change.

3 Press ⊕.

Searching for a title/chapter/track/scene, etc.

DVD-V **VIDEO CD** **C D** **DATA-CD** **DATA DVD**

You can search a DVD VIDEO by title or chapter, and you can search a VIDEO CD/CD/DATA CD/DATA DVD by track, index, or scene. For a DATA CD/DATA DVD/USB device, you can search by folder or file. As titles or chapters and tracks are assigned unique numbers on the disc, you can select the desired title or track by entering its number. Or, you can search for a scene using the time code.

1 Press ⌑ DISPLAY during play.

The Control Menu display appears on the TV screen.

■ When playing a DVD.

Menu	▶
Title	01/01
Chapter	03/13
Audio	2CH English
Subtitle	English ▼
Title Elapsed 0:08:54	

■ When playing a VCD.

Menu	▶
Track	06/14
Repeat	Off
Time Disp.	Total Elapsed
Total Elapsed 0:21:24	

2 Press ↑/↓ to select an option, then press ⊕.

3 Press SHIFT +number to jump to the selected option.

■ **When playing a CD**

1 Press ⬚ DISPLAY during play.

"Select Track:--/--" appears on the TV.

2 Press SHIFT + number buttons to select the desired track.

Playback starts from the selected track.

■ **When playing an MP3/JPEG/DivX file**

1 Press ⬚ DISPLAY during play.

2 Press SHIFT + number buttons to select the desired track.

Playback starts from the selected track.

Playing MP3/JPEG/DivX® files

Before playing MP3 files, JPEG files or DivX files, turn on your TV and select the video input.

1 Press FUNCTION repeatedly or DVD/CD to switch the function to DVD/CD.

2 Load a DATA CD or DATA DVD.

The file list appears.

Notes

• The following discs take a longer time to start playback.
  – a disc recorded with complicated tree structure.
  – a disc recorded in Multi Session.
  – a disc to which data can be added (non-finalized disc).
• Some CD-R or CD-RW cannot be played on this system depending on file format.

3 Press ←/↑/↓/→ repeatedly to select the file you want to play.

Press ↑/↓ repeatedly to browse up and down through the contents in the folder.

Select a folder and press ⊕ or → to go inside the folder.

Select ☐ .. and press ⊕ or ← to return to the parent folder.

```
001/015      Folder                    ■
☐  \mp3\
☐  ..
MP3  Abcdefghijklmn 01
MP3  Abcdefghijklmn 02
MP3  Abcdefghijklmn 03
MP3  Abcdefghijklmn 04
MP3  Abcdefghijklmn 05
```
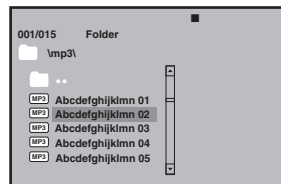
4 Press ▶/⊕ .

Playback starts from the selected file.

If you selected a JPEG file, the slide show starts.

Disc

Other operations

To	Do this
Stop play	Press ■ when playing an MP3 file or DivX file.
	Press DVD MENU when playing a JPEG file.
Pause	Press ❚❚.
	Press ▶/❚❚ to resume play.
Digest	Press ■ when playing a JPEG file.

Notes on files

• The system include albums that do not contain audio files and JPEG image files. When more than 648 files (including folders) + 2 default folders ('.' and '..'), 300 folders Max (including '.' and '..') are in the USB device, folders that are recognized by the system differ depending on the folder configuration.

• The system can play back the following files.

File	Extension of the file
MP3 file	".mp3"
WMA file	".wma"
JPEG image file	".jpg" or ".jpeg"
MPEG	".MPG"
DivX	".DivX" or ".AVI"

The system will play back any data with the extension above, even if it is not MP3/WMA/JPEG format. Playing this data may generate a loud noise which could damage your speaker system. The system can play back to a depth of 25 folders only.

Notes on MP3/JPEG files

• The system supports MP3 files recorded with a bit rate of 32 to 320 kbps and a sampling frequency of 32/44.1/48 kHz for MPEG1 Audio Layer-3.

• If you put the extension ". MP3" to data not in MP3 format, the system cannot recognize the data properly and will generate a loud noise which could damage your speaker system.

Notes on DivX files

• The system may not play a DivX file when the file has been combined from two or more DivX files.

• The system cannot play a DivX file of size more than 640 (width) × 480 (height).

• Depending on the DivX file, the picture may be unclear or the sound may skip.

• The system cannot play some DivX files that are longer than 3 hours.

• Depending on the DivX file, the picture may pause or be unclear. In which case, it is recommended that you create the file at a lower bit rate. If the sound is still noisy, MP3 is the recommended audio format. Note, however, this system does not conform to WMA (Windows Media Audio) format.

• Because of the compression technology used for DivX files, it may take some time after you press ▶ for the picture to appear.

• Depending on the DivX file, the sound may not match the pictures on the screen.

• The playback order may differ depending on the software used for creating the DivX file.

20^{GB}

Selecting the Sound Mode
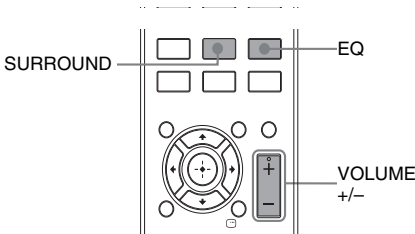
Press EQ repeatedly during playback until the desired mode appears on the front panel display.

- [FLAT]: Flat and pure sound mode.
- [CLASSIC]: Ideal for listening to classical music and watching live concert DVDs.
- [JAZZ]: Clear mid and high range. Recreates the atmosphere of a live club with the artist just in front of you. Good for Jazz music and watching dramas.
- [ROCK]: Enhanced low and high range for great sounding movie effects and atmosphere. Great for action movies and rock/pop music.

Tip
- The system memorizes the last sound mode selected for each function mode.

Press SURROUND repeatedly during playback to select surround audio output mode.

- [Dolby VS Wide]: Provides a wider, more spacious front image when the two speakers are close together, with the same convincingly realistic five-speaker surround sound as Reference mode.
- [Dolby VS Reference]: Creates convincingly realistic five-speaker surround sound from two speakers with the apparent width of the sound across the front image defined by the distance between the two speakers.
- [Dolby VS Off]: Turn off surround sound.

Tip
- Dolby® Virtual Speaker technology is a practical new alternative to multispeaker systems. Using a new-generation technique, it provides virtual multichannel surround sound with just two stereo speakers.

Cut the sound

You can press MUTING again or VOLUME + to restore sound.

Presetting Radio Stations

You can preset 20 FM stations. You can then tune in any of those stations simply by selecting the corresponding preset number.

1 **Press FUNCTION repeatedly or FM to select "FM".**

2 **Press and hold TUNING +/– 2 seconds to start tuning until you find the desired radio station.**

"SEARCH + or –" appears on the front panel until a radio station with sufficient signal strength is found.

3 **Hold SHIFT + REPEAT/PGM 3 seconds.**

"P 01" flashes on the front panel.

4 **Press SHIFT + number buttons to select a preset number.**

5 **Press** ⊕ **to store.**

Tip
• You can press TUNING +/– in step 2 to manual search radio frequency by one step. The current frequency will appear on the front panel (Manual Tuning).

Selecting a Preset Radio Stations

1 **Press FUNCTION repeatedly or FM to select "FM".**

2 **Press PRESET +/– or SHIFT + number buttons to select a preset number.**

If an FM program is noisy

If an FM program is noisy, you can select monaural reception. There will be no stereo effect, but reception will improve.

Press AUDIO

[STEREO]: Stereo reception.
[MONO]: Monaural reception.

Using the Radio Data System (RDS)

(European model only)

What is the Radio Data System?

The Radio Data System (RDS) is a broadcasting service that allows radio stations to send additional information along with the regular program signal. This tuner offers convenient RDS features, such as station name display. RDS is available only for FM stations.*

* Not all FM stations provide RDS service, nor do they provide the same type of services. If you are not familiar with the RDS system, check with your local radio stations for details on RDS services in your area.

Note
• RDS may not work properly if the station you are tuned to is not transmitting the RDS signal properly, or if the signal strength is weak.

Receiving RDS broadcasts

Simply select a station from the FM band.

When you tune in a station that provides RDS services, the station name* appears on the front panel display.

* If an RDS broadcast is not received, the station name may not appear on the front panel display.

Viewing the station name or frequency on the front panel display

Press ⌴ Display

Each time you press ⌴ Display, the front panel display changes as shown.

① Station Name
② Tuned Frequency*

* Returns to the original display when several seconds have elapsed.

Tuner

Using the Control for HDMI Function for "BRAVIA" Sync

This function is available on TVs with the "BRAVIA" Sync function only.
By connecting Sony components that are compatible with the Control for HDMI function with an HDMI cable (not supplied), operation is simplified as below:

– One-Touch Play (page 25)
– System Power Off (page 25)
– System Audio Control (page 25)

Control for HDMI is a mutual control function standard used by CEC (Consumer Electronics Control) for HDMI (High-Definition Multimedia Interface).

The Control for HDMI function will not work in the following cases:

– When you connect this system to a component which is not compatible with the Control for HDMI function.
– A component does not have an HDMI jack.

There are convenient buttons on the system's remote for operating the TV, such as TV INPUT, ONE-TOUCH PLAY, TV I/⏻. For details, see "Controlling the TV with the Supplied Remote" and refer to the operating instructions of the TV.

Notes
• Depending on the connected component, the Control for HDMI function may not work. Refer to the operating instructions supplied with the component.
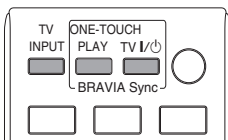• The Control for HDMI function may not work if you connect a component other than Sony, even if the component is compatible with the Control for HDMI function.

Preparing for the Control for HDMI function

(Control for HDMI)

The system is compatible with the Control for HDMI function. If the TV is compatible with the Control for HDMI function, you can set the system's [Control for HDMI] function automatically by setting the TV. For details, refer to the operating instructions of the TV.

If the TV is not compatible with the Control for HDMI function, set the Control for HDMI function of the system and TV manually.

Note
• Displayed items vary depending on the country model.

1 Make sure that the system and the TV are connected with an HDMI cable.

2 Turn on the TV and press I/⏻ to turn on the system.

3 Switch the input selector on your TV so that the signal from the system through the HDMI input appears on the TV screen.

4 Set the Control for HDMI function of the system and TV.

For details of the setting of the system, see the following Steps. For details of the setting of the TV, refer to the operating instructions of the TV (depending on the TV, the default setting of the Control for HDMI function is set to on).

Watching DVD by a single button press

(One-Touch Play)

By only pressing ONE-TOUCH PLAY, the TV turns on, the TV is set for DVD input mode, and the system starts playing a disc automatically. The system audio control function is working with this function.

Notes

• One-Touch Play does not work when you press ▶.
• Make sure the HDMI connection is correct, and set the [Control for HDMI] to [On].
• Depending on the TV, the beginning of the content may not be played back.
• Depending on the disc, playback may take a while to start.

Turning the system off in sync with the TV

(System Power Off)

When you turn the TV off by using the POWER button on the TV's remote or TV I/⏻ on the system's remote, the system turns off automatically.

Notes

• Before using the System Power Off function, set the function for TV power. For details, refer to the operating instructions of the TV.

Enjoying TV sound from the speakers in this system

(System Audio Control)

You can enjoy TV sound in this system by easy operation.
To use this function, connect the system and the TV with an audio cord (not supplied) and an HDMI cable (not supplied) (page 10).

Depending on the TV, when you set the system to the "TV/CABLE" function, the System Audio Control function is activated. TV sound is output from the system speakers, and the volume of the TV speakers is minimized automatically.

You can use the System Audio Control function as follows:
• While you are watching the TV and the function of the system is switched to "TV/ CABLE," TV sound is output from the system speakers automatically.
• You can control the system's volume by the remote of the TV.
• If you turn the system off or set the function of the system to other than "TV/CABLE," TV sound is output from the TV speakers.

You can also operate the System Audio Control function from the TV menu. For details, refer to the operating instructions of the TV.

Notes

• If the TV is turned on before turning on the system, TV sound will not be output for a moment.
• While the TV is in PAP (picture and picture) mode, the System Audio Control function will not work. When the TV exits PAP mode, the output method of the TV returns to the one before PAP mode.
• If you select a TV program during DVD playback with the system, the "TV/CABLE" function is automatically set to output TV sound.
• When you activate One-Touch Play during watching TV, the System Audio Control function is activated and the TV sound is muted.

Playing from USB device

You can play audio files (MP3/WMA files)/
JPEG image files transferred in a USB device
(not supplied) by connecting the USB device to
the control unit.
The audio format that can be played back by the
system is MP3/WMA files∗ only.

∗ Files with copyright protection (Digital Rights
Management) cannot be played by the system.

About playable USB devices

When formatting a USB device, be sure to do so
using the device itself, or dedicated formatting
software for the device. Otherwise, you may be
unable to properly transfer from the USB device
to this system.

Connecting the USB device

Right side of the control unit
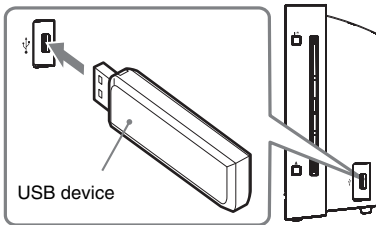
USB device

1 Connect a USB device to the ψ (USB) port.

2 Press FUNCTION repeatedly or USB to switch the function to USB.

3 Press ↑/↓ repeatedly to select a folder, then press ►.

For more playback information, see
"Playing MP3/JPEG/DivX® files" for
details.

Notes

• When you connect the USB device, make sure that
the direction of the jack is correct.
• Do not forcibly insert the USB device, as this may
cause the device to be damaged.
• Do not connect other device or objects besides the
USB device.

• The following USB devices/situations can increase
the time it takes to start playback:
  – a USB device transferred with a complicated tree
structure.
  – when the audio files or JPEG image files in
another folder have just been played back.
  – when there are many folders or files on the USB
device.
• The file operation is refer to "Playing MP3/JPEG/
DivX® files" (page 19).
• The file extension is refer to page 20 (Notes on files).
• Some USB devices cannot be played back on the
system depending on the file format.
• The system may not be able to play an audio file
depending on the kind of file.
• Do not connect the system and the USB device
through a USB hub.
• With some connected USB devices, after an
operation is performed, there may be a delay before
it is performed by this system.
• This system does not necessarily support all the
functions provided in a connected USB device.
• Do not save other types of files or unnecessary
folders on a USB device that has audio files, JPEG
image files or video files.
• Compatibility with all MP3/WMA encoding/writing
softwares and USB devices cannot be guaranteed.
Incompatible USB device may produce noise or
interrupted audio or may not play at all.
• Before using the USB device, make sure that no
virus-ridden files are on the USB device.

Other Operation

Using the Setup Display

You can make various adjustments of items such as picture and sound.

Displayed items vary depending on the country model.

The default setting is underlined.

-- General Setup Page --

TV Display	16:9 16:9
OSD Lang	ENG 4:3 Letter Box
Control for HDMI	On 4:3 Pan Scan
Screen Saver	On
Last Memory	On
Auto Standby	On

16:9

-- Audio Setup Page --

HDMI Audio	All

Go To Audio Setup Page

-- Video Setup Page --

Progressive
HDMI Resolution
DivX VOD

Go To Video Setup Page

TV I/⏻

FUNCTION

←/↑/↓/→, ⊕

SETUP

DISPLAY

SHIFT
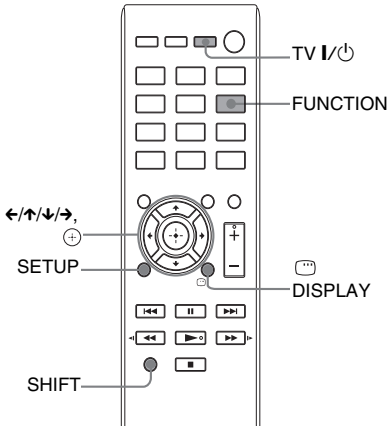
1 Press SETUP in stop mode.

The setup menu appears.

2 Press ←/→ to select one of the setup menu options, then press ⊕ .

3 Press ↑/↓ to select a setup option, then press → or ⊕ .

4 Select the setting you wish to change and press ⊕ to confirm and go back to the previously selected item.

Instructions and explanations of the options are provided in the following pages.

If the option in the menu is greyed out, that means the setting is not available or cannot be changed in the current state.

5 Press SETUP to turn off the menu.

-- Preference Page --

TV Type	PAL
Audio	ENG
Subtitle	ENG
Disc Menu	ENG
Parental	
Default	

Go To Preference Page

Note

• If you are not able to access the [Preference Page], press SETUP to exit the menu. Then press ■ twice before you press the SETUP again.

-- Password Setup Page --

Password	Change

Change Password

Other Operation

27GB
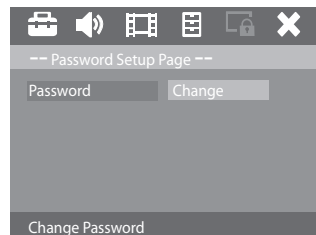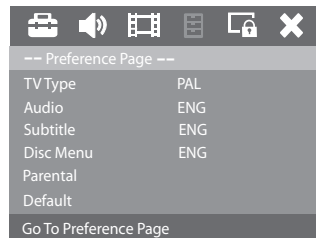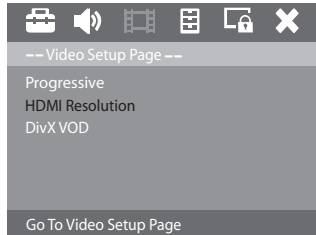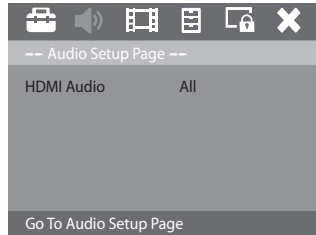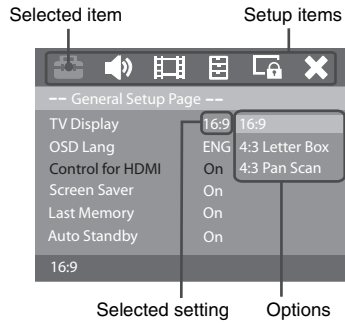
General Setup Page

■ [TV Display]
You can select the aspect ratio of the connected TV.

[16:9]: Select this when you connect a wide-screen TV or a TV with a wide mode function.
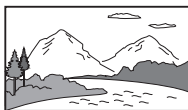
[4:3 Letter Box]: Select this when you connect a 4:3 screen TV. Displays a wide picture with bands on the upper and lower portions of the TV screen.

[4:3 Pan Scan]: Select this when you connect a 4:3 screen TV. The system automatically displays the wide picture on the entire screen and cuts off the portions that do not fit.
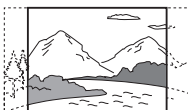
■ [OSD Lang] (On-Screen Display)
You can switch the display language on the TV screen.

■ [Control for HDMI]
This function is available when you connect the system and TV that is compatible with the Control for HDMI function with an HDMI cable.

[On]: You can operate mutually between components that are connected with an HDMI cable.
[Off]: Off.

■ [Screen Saver]
The screen saver prevents damage to the TV screen by avoiding exposure to a static image for too long.

[On]: Switch to TV screen saver mode when stop, pause, no disc or eject mode for more than 15 minutes.
[Off]: Screen Saver function doesn't work.

■ [Last Memory]
This system recalls the point where you stopped the disc the last time it was played and resumes playback from that point the next time you insert the same disc.

[On]: The system stores the resume points in memory.
[Off]: The system does not store the resume points in memory. Playback restarts at the resume point only for the current disc in the unit.

Note
• When the resume playback memory is full, the resume playback point for the earliest disc is deleted.

■ [Auto Standby]
You can set the standby mode.

[On]: Standby automatically when stop, pause, no disc or eject mode for more than 30 minutes.
[Off]: Don't standby automatically.

Audio Setup Page

Select settings according to the TV which you use.

■ [HDMI Audio]
This setting is only required if you are using the HDMI OUT socket to connect.

[Off]: Turn off the HDMI audio output. You can still enjoy sound output via the speaker system.
[All]: The HDMI audio output will be same as the audio stream being played back. In the case when the playback audio format is not supported, the audio output will be changed to PCM automatically.
[PCM]: Downmix the audio signals to linear-PCM (2-channel).

Video Setup Page

■ [Progressive]
You can set the progressive signal that is output from the VIDEO OUT.

[On]: Turn on progressive scan mode.
Read the instructions on the TV and confirm your action by pressing OK.
[Off]: Turn off the progressive scan mode.

■ [HDMI Resolution]
You can select the type of video signal that is output from the HDMI OUT jack.

[Auto]: The system outputs the optimal video signal for the connected TV.
[480p]: The system outputs 720 × 480p* video signals.
[576p]: The system outputs 720 × 576p* video signals.
[720p]: The system outputs 1280 × 720p* video signals.
[1080i]: The system outputs 1920 × 1080i* video signals.
[1080p]: The system outputs 1920 × 1080p* video signals.

* i: interlace, p: progressive

■ [DivX VOD]
[➔]: Display the DivX® registration code.

Tip
• Enter this unit's DivX registration code when you rent or purchase video from www.divx.com/vod. The DivX videos rented or purchased through the DivX® VOD (Video On Demand) service can be played only on the device to which it is registered.

Preference Page

■ [TV Type]
Select the colour system that matches the connected TV. It enables playback of a different type of disc (PAL or NTSC disc) on this unit.

[PAL]: For PAL-system TV.
[Multi]: For TV that is compatible with both PAL and NTSC.
[NTSC]: For NTSC-system TV.

■ [Audio]
Select the preferred audio language for DVDs with multiple sound tracks.

■ [Subtitle]
You can switch the language of the subtitle recorded on the DVD VIDEO.

■ [Disc Menu]
You can switch the language for the disc's menu.

Note
• If the selected audio/subtitle/disc menu language is not available on the DVD, the disc's default language will be used instead.

■ [Parental]
The function allows you to restrict playback of DVDs that have ratings. Scenes may be blocked or replaced with different scenes.

1 Press ↑/↓ to select a rating level from 1 to 8, then press ⊕ .

2 Press your 6-digit password.

Other Operation

29^{GB}

■ [Default]

This feature enables you to reset all the setup menu option and your personal settings to the factory defaults, except your password for the [Password] and [Parental].

Press ⊕ to confirm the default reset.

Password Setup Page

■ [Password]

The default password is "000000". To change the password as below:

1 Press "SHIFT +000000" or your last set 6-digit password at "Old Password" section.

2 Press SHIFT + a new 6-digit password at "New Password" section.

3 Press SHIFT + the new 6-digit password again at "Confirm PWD" section to confirm.

4 Press OK to exit the menu.

Using the Sleep Time

You can set the system to turn off at a preset time, so you can fall asleep listening to music.

Press SHIFT + SLEEP.

Each time you press this button, the minute display (the remaining time) changes on the front panel display as follows:

SLEEP 10 → SLEEP 20 → SLEEP 30

↑   ↓

OFF ← SLEEP 90 .... SLEEP 40

There is a countdown of 20 seconds on the front panel display.

To check the remaining time

Hold SHIFT + SLEEP 3 seconds, you can see the remaining time of sleep on the front panel.

To cancel the sleep time function

Press SHIFT + SLEEP repeatedly until "OFF" appears on the front panel display.

Viewing Information About the Disc

DVD-V VIDEO CD C D DATA-CD DATA DVD

Viewing the playing time and remaining time on the front panel display

You can check the playing time and remaining time of the current title, chapter or track.

Press SHIFT + TIME repeatedly.

Each time you press SHIFT + TIME while playing the disc, the display changes:
① → ② → ... → ① → ...

■ CD Disc
① [Single Remain]: Remaining time of the current track.
② [Total Elapsed]: Playing time of the current disc.*
③ [Total Remain]: Remaining time of the current disc.*
④ [Single Elapsed]: Playing time of the current track.

■ VIDEO CD (with PBC On)
① [Single Elapsed]: Playing time of the current track.
② [Single Remain]: Remaining time of the current track.
③ [Display Off]: No display.

■ VIDEO CD (with PBC Off)
① [Single Elapsed]: Playing time of the current track.
② [Single Remain]: Remaining time of the current track.
③ [Total Elapsed]: Playing time of the current disc.*
④ [Total Remain]: Remaining time of the current disc.*
⑤ [Display Off]: No display.

■ DVD
① [Title Elapsed]: Playing time of the current title.
② [Title Remain]: Remaining time of the current title.
③ [Chapter Elapsed]: Playing time of the current chapter.
④ [Chapter Remain]: Remaining time of the current chapter.
⑤ [Display Off]: No display.

Note
• If an MP3 file has the ID3 tag, the system will display TITLE, ARTIST and ALBUM from the ID3 tag information.
  The system can support ID3 ver 1.0/1.1/2.2/2.3.
* When Repeat mode is Shuffle, the Total display is not done. Moreover, the Time display returns to Single Elapsed when changing into Shuffle at Total.

Other Operation

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Precautions

On power sources

- Unplug the system from the wall outlet (mains) if you do not intend to use it for an extended period of time. To disconnect the cord, pull it out by the plug, never by the cord.

On placement

- Place the system in a location with adequate ventilation to prevent heat build-up in the system.
- At high volume, over long periods of time, the cabinet becomes hot to the touch. This is not a malfunction. However, touching the cabinet should be avoided. Do not place the system in a confined space where ventilation is poor as this may cause overheating.
- Do not block the ventilation slots by putting anything on the system. The system is equipped with a high power amplifier. If the ventilation slots are blocked, the system can overheat and malfunction.
- Do not place the system on surfaces (rugs, blankets, etc.) or near materials (curtains, draperies) that may block the ventilation slots.
- Do not install the system near heat sources such as radiators, or air ducts, or in a place subject to direct sunlight, excessive dust, mechanical vibration, or shock.
- Do not install the system in an inclined position. It is designed to be operated in a horizontal position only.
- Keep the system and discs away from components with strong magnets, such as microwave ovens, or large loudspeakers.
- Do not place heavy objects on the system.

On operation

- If the system is brought directly from a cold to a warm location, or is placed in a very damp room, moisture may condense on the lenses inside the control unit. Should this occur, the system may not operate properly. In this case, remove the disc and leave the system turned on for about half an hour until the moisture evaporates.
- When you move the system, take out any disc. If you don't, the disc may be damaged.
- If anything falls into the cabinet, unplug the unit and have it checked by qualified personnel before operating it any further.

On adjusting volume

- Do not turn up the volume while listening to a section with very low level inputs or no audio signals. If you do, the speakers may be damaged when a peak level section is suddenly played.

On cleaning

- Clean the cabinet, panel, and controls with a soft cloth slightly moistened with a mild detergent solution. Do not use any type of abrasive pad, scouring powder or solvent such as alcohol or benzine.
  If you have any questions or problems concerning your system, please consult your nearest Sony dealer.

On cleaning discs, disc/lens cleaners

- Do not use cleaning discs or disc/lens cleaners (including wet or spray types). These may cause the apparatus to malfunction.

On your TV's color

- If the speakers should cause the TV screen to have color irregularity, turn off the TV then turn it on after 15 to 30 minutes. If color irregularity should persist, place the speakers further away from the TV set.

IMPORTANT NOTICE

Caution: This system is capable of holding a still video image or on-screen display image on your television screen indefinitely. If you leave the still video image or on-screen display image displayed on your TV for an extended period of time you risk permanent damage to your television screen. Projection televisions are especially susceptible to this.

On moving the system

Before moving the system, make sure that there is no disc inserted, and remove the AC power cord (mains lead) from the wall outlet (mains).

Notes about the Discs

On handling discs

- To keep the disc clean, handle the disc by its edge. Do not touch the surface.
- Do not stick paper or tape on the disc.

- Do not expose the disc to direct sunlight or heat sources such as hot air ducts, or leave it in a car parked in direct sunlight as the temperature may rise considerably inside the car.
- After playing, store the disc in its case.

On cleaning

- Before playing, clean the disc with a cleaning cloth.
  Wipe the disc from the center out.

- Do not use solvents such as benzine, thinner, commercially available cleaners, or anti-static spray intended for vinyl LPs.

This system can only play back a standard circular disc. Using neither standard nor circular discs (e.g., card, heart, or star shape) may cause a malfunction.

Do not use a disc that has a commercially available accessory attached, such as a label or ring.

Additional Information

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Troubleshooting

If you experience any of the following difficulties while using the system, use this troubleshooting guide to help remedy the problem before requesting repairs. Should any problem persist, consult your nearest Sony dealer.
Note that if service personnel changes some parts during repair, these parts may be retained.

Power

Symptom	Remedy
The power is not turned on.	• Check that the AC power cord (mains lead) is connected securely.
When USB is not detected.	• Remove the USB device from the ψ (USB) port. Make sure there is no problem with the USB device.

Picture

Symptom	Remedy
There is no picture.	• The video connecting cords are not connected securely.
	• The video connecting cords are damaged.
	• The control unit is not connected to the correct TV input jack (page 10).
	• The video input on the TV is not set so that you can view pictures.
	• Check the output method on your system(page 10).
	• You have set progressive format but your TV cannot accept the signal in progressive format. In this case, return the setting to interlace format (the default setting).
	• Even if your TV is compatible with progressive format (525p/625p) signals, the image may be affected when you set progressive format. In this case, return the setting to interlace format (the default setting).
	• Re-connect the connecting cord securely.
	• The control unit is connected to an input device that is not HDCP (High-bandwidth Digital Content Protection) compliant (page 10).
	• If the HDMI OUT jack is used for video output, changing the type of video signal output from the HDMI OUT jack. It may solve the problem. Connect the TV and the control unit using a video jack other than the HDMI OUT, and switch the TV's input to the connected video input so that you can see the on-screen displays. Change the type of video signal output from the HDMI OUT jack, and switch the TV's input back to HDMI. If the picture still does not appear, repeat the Steps and try other options.
	• You have set [Progressive] in [Video Setup Page] to [On] (page 29) even though your TV cannot accept the progressive signal. In this case, set to [Off].
Picture noise appears.	• The disc is dirty or flawed.
	• If the picture output from your system goes through your VCR to get to your TV, the copy-protection signal applied to some DVD programs could effect picture quality. If you still experience problems even when you connect your control unit directly to your TV, try connecting your control unit to your TV's video input (page 10).
Even though you set the aspect ratio in [TV Display] of [General Setup Page], the picture does not fill the TV screen.	• The aspect ratio on the disc is fixed.

Symptom	Remedy
Color irregularity occurs on the TV screen.	The front speakers in this system are magnetically shielded to prevent magnetic leakage. However, some leakage may occur, as a high-strength magnet is employed. If this happens, check the following items: • If the speakers are used with a CRT-based TV or projector, install the speakers at least 0.3 meters from the TV set. • If the color irregularity persists, turn off the TV set once, then turn it on after 15 to 30 minutes. • If howling occurs, reposition the speakers farther away from the TV set. • Make sure that no magnetic object (magnetic latch on a TV stand, health care device, toy, etc.) is placed near the speakers.
TV Type (PAL/Multi/NTSC) of setup is wrong.	TV Type can be reset according to the following procedures. 1. Press ▲ to take out the disc (in no disc mode). 2. Press ▭ DISPLAY. 3. Press ⊕ . The TV Type will be reset.

Sound

Symptom	Remedy
There is no sound.	• The speaker cord is not connected securely. • Press MUTING on the remote if "MUTING" is displayed in the front panel display. • The system is in pause mode or in Slow-motion Play mode. Press ▶ to return to normal play mode. • Fast forward or fast reverse is performed. Press ▶ to return to normal play mode. • The component connected to the HDMI OUT jack does not conform to the audio signal format, in this case set [HDMI AUDIO] in [Audio Setup Page] not to [Off] (page 29).
No sound is output from the HDMI OUT jack.	• set [HDMI AUDIO] in [Audio Setup Page] not to [Off] (page 29). • The HDMI OUT jack is connected to a DVI (Digital Visual Interface) device (DVI (Digital Visual Interface) jacks do not accept audio signals). • Try the following: ① Turn the system off and on again. ② Turn the connected component off and on again. ③ Disconnect and then connect the HDMI cable again.
The left and right sounds are unbalanced or reversed.	• Check that the speakers and components are connected correctly and securely.
Severe hum or noise is heard.	• Check that the speakers and components are connected securely. • Check that the connecting cords are away from a transformer or motor, and at least 3 meters away from your TV set or a fluorescent light. • Move your TV away from the audio components. • The plugs and jacks are dirty. Wipe them with a cloth slightly moistened with alcohol. • Clean the disc.
The sound loses stereo effect when you play a VIDEO CD, a CD.	• Set [AUDIO] to [Stereo] by pressing AUDIO (page 15). • Make sure the control unit is connected properly.
The surround effect is difficult to hear when you are playing a sound track of Dolby Digital, DTS, or MPEG audio.	• Depending on the DVD, the output signal may not be the entire 5.1 channel. It may be monaural or stereo even if the sound track is recorded in Dolby Digital or MPEG audio format.

Additional Information

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Operation

Symptom	Remedy
Radio stations cannot be tuned in.	• Check that the antenna (aerial) is connected securely. Adjust the antenna (aerial) or connect an external antenna (aerial) if necessary. • The signal strength of the stations is too weak (when tuning in with automatic tuning). • No stations have been preset or the preset stations have been cleared (when tuning by scanning preset stations). Preset the stations (page 22).
The remote does not function.	• There are obstacles between the remote and the control unit. • The distance between the remote and the control unit is too far. • The remote is not pointed at the remote sensor on the control unit. • The batteries in the remote are weak.
The number cannot be input.	• Press SHIFT + number buttons with 2 digits. For example, to play chapter/track number 5, press SHIFT + 0 + 5.
The disc does not play.	• Leave a space for inserting/ejecting the disc (approximately 15 cm) to the right (disc slot) side of the control unit when placing an object such as a speaker nearby. • There is no disc inserted. • The disc is upside down. Insert the disc with the labeled side facing to the front. • The disc is skewed. • The system cannot play CD-ROMs, etc. (page 5). • The region code on the DVD does not match the system. • Moisture has condensed inside the control unit and may cause damage to the lenses. Remove the disc and leave the control unit turned on for about half an hour.
The MP3 file cannot be played.	• The DATA CD is not recorded in the MP3 format that conforms to ISO 9660 Level 1/Level 2, or Joliet. • The DATA DVD is not recorded in an MP3 format that conforms to UDF (Universal Disk Format). • The MP3 file does not have the extension ".MP3." • The data is not formatted in MP3 even though it has the extension ".MP3." • The data is not MPEG1 Audio Layer 3 data. • The system cannot play audio tracks in MP3PRO format.
The JPEG image file cannot be played.	• The DATA CD is not recorded in a JPEG format that conforms to ISO 9660 Level 1/Level 2, or Joliet. • The DATA DVD is not recorded in a JPEG format that conforms to UDF (Universal Disk Format). • It has an extension other than ".JPEG" or ".JPG." • It is larger than 2,408 (width) × 1,536 (height) in normal mode, or more than 15,000,000 pixels in Progressive JPEG image file which is mainly used on the Internet WEB site. • It does not fit the TV screen (those images are reduced). • The DATA CD/DATA DVD contains a DivX video file.
The DivX video file cannot be played.	• The file is not created in DivX format. • The file has an extension other than ".AVI" or ".DIVX." • The DATA CD/DATA DVD is not created in a DivX format that conforms to ISO 9660 Level 1/Level 2 or, Joliet/UDF. • The DivX video file is larger than 720 (width) × 576 (height).

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Symptom	Remedy
The titles of folder/file/file name are not displayed correctly.	• The system can only display numbers and letters of the alphabets. Other characters are displayed as [_].
A disc does not start playing from the beginning.	• Program Play, Shuffle Play, or Repeat Play has been selected. • Resume Play has been selected. During stop, press ■ and then start playback (page 16). • Method of stopping Program play. Push ■ twice. • Method of stopping Shuffle play. Push ■ twice.
The system starts playing the disc automatically.	• The DVD features an auto playback function.
Playback stops automatically.	• Some discs may contain an auto pause signal. While playing such a disc, the system stops playback at the auto pause signal.
You cannot perform some functions such as stop, search, Slow-motion Play, or Repeat Play.	• Depending on the disc, you may not be able to perform some of the operations above. Refer to the operating instructions.
Messages do not appear on the TV screen in the language you want.	• In the Setup Display, select the desired language for the on-screen display in [OSD Lang] under [General Setup Page] (page 28).
The language for the sound track cannot be changed.	• Multilingual tracks are not recorded on the DVD being played. • The DVD prohibits changing the language for the sound track.
The subtitle language cannot be changed.	• Multilingual subtitles are not recorded on the DVD being played. • The DVD prohibits changing the subtitles.
The subtitle cannot be turned off.	• The DVD prohibits turning off subtitles.
The angles cannot be changed.	• Multi-angles are not recorded on the DVD being played (page 14). • The DVD prohibits changing the angles.
A disc cannot be ejected and "LOCKED" appears in the front panel display.	• Contact your Sony dealer or local authorized Sony service facility.
The system does not work normally.	• Disconnect the AC power cord (mains lead) from the wall outlet (mains), then reconnect after several minutes.
The Control for HDMI function does not work.	• Set the [Control for HDMI] setting in [General Setup Page] to [On] (page 28). • Make sure that the connected component is compatible with the [Control for HDMI] function. • Check that the AC power cord (mains lead) of the connected component is connected securely. • Check the connected component's setting for the Control for HDMI function. Refer to the operating instructions supplied with the component. • If you change the HDMI connection, connect and disconnect the AC power cord (mains lead), or have a power failure, set the [Control for HDMI] setting in [General Setup Page] to [Off], then set the [Control for HDMI] setting in [General Setup Page] to [On] (page 28). • For details, see "Using the Control for HDMI Function for "BRAVIA" Sync" (page 24).

Additional Information

Symptom	Remedy
No sound is output from the system and TV while using the System Audio Control function.	• Set the [HDMI Audio] setting in [Audio Setup Page] to [ALL] or [PCM] (page 29). • Make sure that the connected TV is compatible with the System Audio Control function. • For details, see "Using the Control for HDMI Function for "BRAVIA" Sync" (page 24).

USB device

Symptom	Remedy

Are you using a supported USB device?	• If you connect an unsupported USB device, the following problems may occur.
	  – The USB device is not recognized.
	  – File or folder names are not displayed on this system.
	  – Playback is not possible.
	  – The sound skips.
	  – There is noise.
	  – A distorted sound is output.

There is no sound.	• The USB device is not connected correctly. Turn off the system, then reconnect the USB device.
The sound is distorted.	• The bit rate used when encoding the audio files was low. Send audio files encoded with higher bit rates to the USB device.
There is noise or the sound skips.	• Turn off the system, then reconnect the USB device. • Transfer the files to your computer, format the USB device in FAT12, FAT16, or FAT32 format, and transfer the files to the USB device again.* * This system supports FAT12, FAT16, and FAT32, but some USB device may not support all of these FAT. For details, refer to the operating instructions of each USB device or contact the manufacturer.
The USB device cannot be connected into the ψ (USB) port.	• The USB device is being connected backwards. Connect the USB device in the correct orientation.
The USB device which has been used on another device does not work.	• It may be recorded in an unsupported format. If so, first take the precaution of backing up important files on the USB device by transferring them to your computer hard disk. Next, format the USB device with a FAT12, FAT16, or FAT32 file system and transfer the backed-up audio files onto the USB device again.* * This system supports FAT12, FAT16, and FAT32, but some USB device may not support all of these FAT. For details, refer to the operating instructions of each USB device or contact the manufacturer.

"LOADING" is displayed for a long time.	• The reading process can take a long time in the following cases.
	  – There are many folders or files on the USB device.
	  – The file structure is extremely complex.
	  – The memory capacity is excessive.
	  – The internal memory is fragmented.
	• Sony recommends following these guidelines.
	  – Total folders on the USB device: 300 folders Max (including '.' and '..').
	  – Total files per folder: 648 files (including folders) + 2 default folders ('.' and '..').

Symptom	Remedy
Erroneous display.	• Send the music data to the USB device again, as the data transferred in the USB device may have been corrupted. • The character codes that can be displayed by this system are numbers and alphabet only. Other characters are not displayed correctly.
Playback does not start.	• Turn off the system, then reconnect the USB device. • Press ▶ to start play.
The USB device (audio file/ JPEG image file) cannot be played back.	• USB device formatted with file systems other than FAT12, FAT16, or FAT32 are unsupported.* • Files that are encrypted or protected by passwords, etc. cannot be played back. • The MP3 file does not have the extension ".MP3." • The WMA file does not have the extension ".wma." • The data is not transferred in the desired format. • The MP3 files in format other than MPEG 1 Audio Layer 3 cannot be played back. • The system include albums that do not contain audio files and JPEG image files. When more than 648 files (including folders) + 2 default folders ('.' and '..'), 300 folders Max (including '.' and '..') are in the USB device, folders that are recognized by the system differ depending on the folder configuration. • The JPEG image file does not have the extension ".JPG" or ".JPEG." • The JPEG image file is larger than 2,408 (width) × 1,536 (height) in normal mode, or more than 15,000,000 pixels in Progressive JPEG mode which is mainly used on the Internet website. • JPEG image files with a high width to length ratio cannot be played back. • A WMA file that is the WMA DRM, WMA Lossless, or WMA PRO format cannot be played back. * This system supports FAT12, FAT16, and FAT32, but some USB device may not support all of these FAT. For details, refer to the operating instructions of each USB device or contact the manufacturer.
Audio files or JPEG image files take longer to play back than others.	• After the system reads all files on the USB device, playback may take more time than usual if: – the number of folders or files is very large. – the folder or file organization structure is very complex. – the memory capacity is very large. – the file size is extremely large. – the physical structure within the memory is fragmented. • Sony recommends following these guidelines. – Total folders on the USB device: 300 folders Max (including '.' and '..'). – Total files per folder: 648 files (including folders) + 2 default folders ('.' and '..').

Specifications

General

Power requirements	220 V – 240 V AC, 50/60 Hz
Power consumption	On: 53 W
	Standby: < 0.3 W

Amplifier Section

Power output (rated)	35 W + 35 W (at 3 ohm, 1 kHz, 1% THD)
RMS output power (reference)	
	Front L/Front R: 70 W (per channel at 3 ohm, 1 kHz)
	Subwoofer: 140 W (at 6 ohm, 100 Hz)
Inputs (Analog)	
TV (AUDIO IN)	Sensitivity: 1.5 V

DVD System

Laser:	Laser Diode Properties
	• Emission duration: continuous
	• Laser Output*: Less than 1,000 μW
	* This output is the value measurement at a distance of 200mm from the objective lens surface on the Optical Pick-up Block with 7mm aperture.
	Semiconductor laser (DVD: l=650 nm, CD: l=790 nm)
Signal format system	PAL/NTSC

USB Section

Supported bit rate
MP3 (MPEG 1 Audio Layer-3):

	32 kbps - 320 kbps
WMA:	48 kbps - 192 kbps

Sampling frequencies
MP3 (MPEG 1 Audio Layer-3):

	32/44.1/48 kHz
WMA:	44.1 kHz
ψ (USB) port:	
Maximum current:	500 mA

Tuner Section

System	PLL quartz-locked digital synthesizer
FM tuner section	
Tuning range:	87.5 MHz - 108.0 MHz (50 kHz step)
Antenna (aerial):	FM wire antenna (aerial)
Antenna (aerial) terminals:	75 ohm, unbalanced
Intermediate frequency:	10.7 MHz

Video Section

Outputs	VIDEO: 1 Vp-p 75 ohm
	COMPONENT: Y: 1 Vp-p 75 ohm Pb/Cb, Pr/Cr: 0.7 Vp-p 75 ohm
	HDMI OUT: Type A (19 pin)

Main Unit (HBD-F300/HBD-F310)

Dimensions (approx.)	450 mm × 198 mm × 103 mm (w/h/d)
Weight (approx.)	3.1 kg

Speakers
Front Speaker (SS-TSF300/SS-TSF310)

Speaker system	Full range Bass reflex
Speaker unit	65mm cone type
Rated impedance	3 ohm
Dimensions (approx.)	85 mm × 260 mm × 90 mm (w/h/d)
Mass (approx.)	0.5 kg

Subwoofer (SS-WSF300)

Speaker system	Subwoofer Bass reflex
Speaker unit	160 mm cone type
Rated impedance	6 ohm
Dimensions (approx.)	169 mm × 300 mm × 320 mm (w/h/d)
Mass (approx.)	5.3 kg

Design and specifications are subject to change without notice.

Glossary

HDMI (High-Definition Multimedia Interface)

HDMI is an interface that supports both video and audio on a single digital connection, allowing you to enjoy high quality digital picture and sound. The HDMI specification supports HDCP (High-bandwidth Digital Content Protection), a copy protection technology that incorporates coding technology for digital video signals.

Interlace format (Interlaced scanning)

The Interlace format is the NTSC standard method for displaying TV images at 30 frames per second. Each frame is scanned twice - alternately between the even numbered scanning lines and then odd numbered scanning lines, at 60 times per second.

Parental Control

A function of the DVD to limit playback of the disc by the age of the users according to the limitation level in each country. The limitation varies from disc to disc; when it is activated, playback is completely prohibited, violent scenes are skipped or replaced with other scenes and so on.
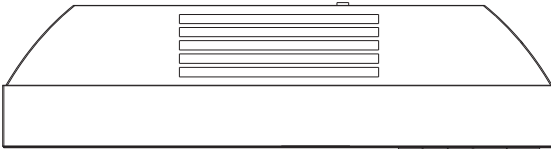
Progressive format (sequential scanning)

In contrast to the Interlace format, the progressive format can reproduce 50 - 60 frames per second by reproducing all scanning lines (525 lines for the NTSC system). The overall picture quality increases and still images, text and horizontal lines appear sharper. This format is compatible with the 525 or 625 progressive format.
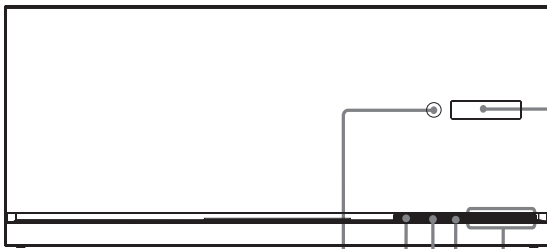
Additional Information

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Index to Parts and Control

For more information, refer to the pages indicated in parentheses.

Control unit

Top view

Front view   **Right side view**
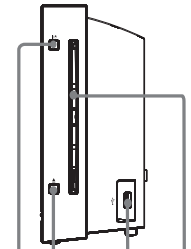
A **Remote sensor**

B **► (play) button**

C **■ (stop) button**

D **FUNCTION button**

E **VOL +/– buttons**

F **Front panel display**

G **I/⏻ (on/standby) button**

H **⏏ (eject) button**

I **ψ (USB) port**

J **Disc slot**

Remote control

<table>
<tr><th colspan="2">ALPHABETICAL ORDER</th><th>BUTTON DESCRIPTIONS</th></tr>
</table>

ALPHABETICAL ORDER

A – L

ANGLE [5] (14)
AUDIO [16] (15)
AUDIO IN [22] (11, 12)
DVD/CD [19] (12, 13, 19)
DVD MENU [24] (16, 18, 20)
DVD TOP MENU [15] (18)
EQ [4] (21)
FM [30] (8, 12, 22, 23)
FUNCTION [3] (12, 13, 19, 22, 26)

M – Z

MUTING [6] (13, 14, 21)
ONE-TOUCH PLAY [31] (24, 25)
PRESET +/– [8] [13] (22)
REPEAT/PGM [28] (22)
SETUP [28] (12, 27)
SHIFT [11] (13, 16, 17, 18, 19, 20, 22, 27, 30, 31)
SLEEP [5] (30)
SUBTITLE [29] (13, 14)
SURROUND [23] (21)
TIME [25] (31)
TUNING +/– [9] [12] (22)
TV/CABLE [18] (11, 25)
TV INPUT [20] (24)
USB [2] (26)
VOLUME +/– [7] (13, 14, 21)

BUTTON DESCRIPTIONS

Number buttons
[19] [30] [2] [18] [22] [3] [17] [23] [4] [29] (13, 16, 17, 18, 19, 20, 22, 27, 30, 31)
I/$\circlearrowleft$ (on/standby) [1] (13)
TV I/$\circlearrowleft$ (on/standby) [21]
←/↑/↓/→/ $\oplus$ [14] (12, 17, 18, 19, 22, 26, 27, 29)
|◄◄/►►| [13] [8] (14)
◄◄/►► [12] [9] (14)
◄I/I► [12] [9] (14)
► (play) [26] (14, 20)
■ (stop) [10] (14, 20)
II (pause) [27] (14, 20)
DISPLAY [25] (12, 18, 19, 23, 27)

* The ►, AUDIO, AUDIO IN and VOLUME + /- buttons have tactile dots. Use the tactile dots as references when operating the system.

* Press SHIFT + number buttons, ◄I SLOW or SLOW I► when you used their functions.

* The TV INPUT, ONE-TOUCH PLAY, TV I/$\circlearrowleft$ buttons only works with Sony TVs.

Additional Information

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Sony Corporation   Printed in China

http://www.sony.net/

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http://usermanuals.us

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http://www.404manual.com

http://www.luxmanual.com

http://aubethermostatmanual.com

Golf course search by state

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Email search by domain

http://emailbydomain.com

Auto manuals search

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TV manuals search

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