SONY®

DAV-F200

DVD Home Theatre System

Operating Instructions

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WARNING

To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.

Do not install the appliance in a confined space, such as a bookcase or built-in cabinet.
To prevent fire, do not cover the ventilation of the apparatus with news papers, table-cloths, curtains, etc. And don't place lighted candles on the apparatus.
To prevent fire or shock hazard, do not place objects filled with liquids, such as vases, on the apparatus.

Batteries or batteries installed apparatus shall not be exposed to excessive heat such as sunshine, fire or the like.

CLASS 1 LASER PRODUCT
LASER KLASSE 1
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.

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.

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 handling 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 safely. Hand the battery over to the applicable collection point for the recycling of waste batteries. For more detailed information about recycling of this product or battery, please contact your local Civic Office, your household waste disposal service or the shop where you purchased the product.

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.

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Precautions

On power sources

- AC power cord (mains lead) must be changed only at the qualified service shop.
- The system is not disconnected from the AC power source (mains) as long as the subwoofer is connected to the wall outlet (mains), even if the control unit itself has been turned off.
- Install this system so that the AC power cord (mains lead) can be unplugged from the wall socket immediately in the event of trouble.

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.

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Table of Contents

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**
VR (Video Recording) mode	**DVD** R R4.7™ **DVD** R W™	• DVD-R/DVD-RW in VR (Video Recording) mode (except for DVD-R DL)	**DVD-VR**
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	**C D**
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][4], and conforming to ISO 9660[5] 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][4], and conforming to UDF (Universal Disk Format)	**DATA DVD**

[1] MP3 (MPEG1 Audio Layer 3) is a standard format defined by ISO/MPEG which compresses 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.

[4] DivX, DivX Certified, and associated logos are trademarks of DivX, Inc. and are used under license.

[5] 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 5
- CD-ROM recorded in PHOTO CD format
- Data part of CD-Extra
- CD Graphics disc
- DVD Audio
- DATA DVD that does not contain MP3 files, JPEG image files, or DivX video files
- DVD-RAM
- Super Audio CD

Also, the system cannot play the following discs:
- A DVD VIDEO with a different region code (page 7)
- 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

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.

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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 [Playback prohibited by area limitations.] 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 DTS 2.0 + Digital Out are registered trademarks and the DTS logos and Symbol are trademarks of DTS, Inc. © 1996-2007 DTS, Inc. All Rights Reserved.

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.

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Getting Started

Checking the supplied items

• Control unit (1)

• Front speakers (2)

• Subwoofer (1)

• Stand cover (1)

• Screws (4)

• Seals (for stand cover) (2)

• FM wire antenna (aerial) (1)

• Video cord (1)

• Cable tie (1)

• Remote commander (remote) (1)

• R6 (size AA) batteries (2)

• Operating Instructions (this manual)

• Speaker and TV Connections (supplement)

Preparing the remote

To insert batteries into the remote

Insert two R6 (size AA) batteries (supplied) by matching the ⊕ and ⊖ ends on the batteries to the markings inside the compartment.

Note

• 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.

About operation of the remote

You can operate this system and TV using the supplied remote.

■ System operation

Press TV so that TV flashes four times.
The remote enters system operation mode. When operating the system, point the remote at the center of the panel display.

Remote sensor

■ TV operation

Press TV so that TV lights up for 1 second.
The remote enters the TV mode. To operate the system, point the remote at the TV. For details, see "Controlling the TV with the Supplied Remote" (page 86).

TV

Note
• Do not expose the remote sensor to direct sunlight or lighting apparatus. Doing so may cause a malfunction.

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 (Ⓐ).

Place the system as illustrated below.

Ⓐ Front speaker (L (left))
Ⓑ Front speaker (R (right))
Ⓒ Subwoofer
Ⓓ Control unit

• 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.

Approximately 15 cm

• Do not set the speakers in an inclined position.
• Do not place the speakers in locations that are:
  – Extremely hot or cold
  – Dusty or dirty
  – Very humid
  – Subject to vibrations
  – Subject to direct sunlight
• 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.
• Do not use any type of abrasive pad, scouring powder, or solvent such as alcohol or benzine.
• Do not lean or hang on the speaker, as the speaker may fall down.
• Image distortion on the TV screen may occur depending on the location of the subwoofer. In this case, place the subwoofer away from the TV.
• Do not block the ventilation slots of the subwoofer (page 108).

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• Do not place your hand on the speaker driver when lifting the subwoofer. Doing so, the speaker driver may be damaged. When lifting, hold the foot of the subwoofer.

Speaker driver

Tip
• It is recommended to place the subwoofer on a hard floor.
• You can also place the subwoofer either side, facing the listening position.

To use the speakers efficiently

Position the speakers so that the distance between each speaker and the listening position (**Ⓐ** and **Ⓑ**) is the same (from 0.0 to 7.0 meters).

Front speaker (L)   Subwoofer

TV   Front speaker (R)

Ⓐ   Ⓑ

Note
• Place both front speakers the same distance apart as they are from the listening position (to form an isosceles triangle).
• The front speakers should be placed at least 0.6 m apart.
• Place the front speakers forward of the TV. Make sure there are no reflecting obstacles in front of the speakers.
• Both front speakers should be pointed straight forward. Do not place the speakers at an angle.

Correct   Incorrect

• It is recommended to place the front speakers on the edge of a table or rack, etc., to prevent sound reflection.

Side view

Recommended

To install the speakers on a wall

Before installing the speakers on the wall, prepare screws (not supplied) that are suitable for the hole on the rear of each speaker.

4 mm

30 mm

5 mm

10 mm

Hole on the rear of the speaker

1   Remove the screw (pre-installed) at the rear of the speaker.

Screw (pre-installed)

2   Detach the speaker stand.

3   Disconnect the speaker cords from the speaker.

⊖   ⊕

4   Take the speaker stand out.

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5 Reconnect the speaker cords to the speakers.

The connector and color tube of the speaker cords are the same color as the label of the jacks to be connected. Be sure to match the speaker cords to the appropriate terminals on the speakers: the speaker cord with the color tube to $\oplus$, and the speaker cord without the color tube to $\ominus$. Do not catch the speaker cord insulation in the speaker terminals.

Rear of speaker

Color tube

Connector

(+)

(−)

Color tube
Front speaker (L): White
Front speaker (R): Red

6 Fasten the screws to the wall.

5 to 7 mm

7 Hang the speakers on the screws.

Rear of the speaker

Note

- Use screws that are suitable for the wall material and strength. As a plaster board wall is especially fragile, attach the screws securely to a beam and fasten them to the wall. Install the speakers on a vertical and flat wall where reinforcement is applied.
- Contact a screw shop or installer regarding the wall material or screws to be used.
- Sony is not responsible for accident or damage caused by improper installation, insufficient wall strength or improper screw installation, natural calamity, etc.

Step 2: Connecting the System

See the connection diagram below, and read the additional information from ① to ⑥ on the following pages.

Note
• 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.

Subwoofer

② Front speaker (L)

Bottom of the subwoofer

⑥ AC power cord (mains lead)

② Front speaker (R)

① Plug

⑤ FM wire antenna (aerial)

④ VCR, digital satellite receiver, or PlayStation, etc.

④ DIGITAL MEDIA PORT adapter

③ TV

: Signal flow

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To remove the panel cover of the control unit

Before connecting the cables, remove the panel cover from the control unit.

Push the ▶ mark on the left side of the panel cover, then slide to the right.

① Connecting the Control unit

Connect the system connector of the control unit to the SYSTEM CONTROL jack on the bottom of the subwoofer.
Insert the plug of the SYSTEM CONTROL connector, then secure the screws of the plug.

Bottom of the subwoofer

Rear of the control unit

Plug

Screws

SYSTEM CONTROL cable

② Connecting the Speakers

Insert the speaker connector of the front left speaker into the FRONT L jack, and insert the speaker connector of the front right speaker into the FRONT R jack on the bottom of the subwoofer.

Front speaker (L)   Front speaker (R)

White (Front speaker (L))

Red (Front speaker (R))

Bottom of the subwoofer

To set the speakers at an angle

You can select the angle for the front speaker: 0° and 10°. (The speakers are set to an angle of 10° at shipping.)

1 Remove the screw (pre-installed) at the rear of the speaker.

Screw (pre-installed)

2 Detach the speaker stand.

3 Reattach the speaker stand by engaging the protrusions on the stand in the holes for either angle 0° or 10°.

0° or 10°

Angle: 0° (vertical)   Angle: 10°

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4 **Thread the speaker cord though the slit of the stand base to prevent the cord being twisted or pinched.**

5 **Tighten the screw to secure the speaker stand.**

Note
• Be careful not to pinch the speaker cords while tightening screws.

③ **Connecting the TV**

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

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

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).

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

Ⓐ Audio cord (not supplied)

White
Red

To the AUDIO OUT jacks of the TV

Connector panel of the control unit

Ⓑ Component video cord (not supplied)*

Green
Blue
Red

To the COMPONENT VIDEO IN jacks of the TV

Ⓑ Digital optical cord (not supplied)

To the digital optical output jack of the TV

Ⓐ Video cord (supplied)

To the VIDEO IN jack of the TV

Ⓒ HDMI** cable (not supplied)

To the HDMI 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 (page 27).

**HDMI (High-Definition Multimedia Interface)

If your TV has the HDMI jack, use this connection and select the type of output signal (page 27).

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Note

- 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 (Ⓑ).
- During the "DMPORT" function, video signal is not output from the HDMI OUT and VIDEO OUT (COMPONENT) jacks. Select connection method Ⓐ to obtain pictures since the video signal is output from the VIDEO OUT (VIDEO) jack.
- 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.

Tip

- You can connect another component, such as a VCR, digital satellite receiver, or PlayStation, to the TV (AUDIO IN) jack (Ⓐ) or TV (DIGITAL IN OPTICAL) jack (Ⓑ) instead of the TV.

To change the color system (PAL or NTSC) (Southeast Asian models only)

Depending on the TV to be connected, you may be required to select either PAL or NTSC for the color system.

The initial setting of the system is NTSC.

1 **Turn off the system by pressing I/**⏻**.**

2 **Turn on the system by pressing I/**⏻ **while pressing VOL – on the front panel.**

Each time you perform this operation, the color system toggles between PAL and NTSC.

"NTSC" lights up in the front panel display when the color system is set to NTSC.

④ Connecting the other components

You can enjoy the connected component using the speakers of the system.

- Digital satellite receiver, etc.: Ⓐ
- DIGITAL MEDIA PORT adapter: Ⓑ
- AV receiver, etc.: Ⓒ (only when DVD function is selected)

Ⓐ Digital optical cord (not supplied)

Digital coaxial cord (not supplied)

or

To the digital coaxial output jack of the digital satellite receiver

To the digital optical output jack of the digital satellite receiver

Connector panel of the control unit

Ⓑ DIGITAL MEDIA PORT adapter

Ⓒ Digital coaxial cord (not supplied)

To the digital coaxial input jack of the AV receiver

Note

• The DIGITAL OUT jack outputs audio signals only when DVD function is selected (by pressing FUNCTION repeatedly until "DVD" appears in the front panel display).

• Connect the DIGITAL MEDIA PORT adapter so that the ▼ marks are aligned. When disconnecting, pull out while pressing both sides of the connector (Ⓑ).

To connect the DIGITAL MEDIA PORT adapter

Connect a DIGITAL MEDIA PORT adapter (not supplied) to the DMPORT jack. For details, see "Using the DIGITAL MEDIA PORT Adapter" (page 73).

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To connect to a TV equipped with multiple audio/video inputs

You can enjoy the sound with the speakers of the system through the connected TV. Connect the components as follows.

: Signal flow

Select the component on the TV. For details, refer to the operating instructions of the TV.
If the TV does not have multiple audio/video inputs, a switcher will be necessary to receive the sound from more than two components.

⑤ Connecting the FM wire antenna (aerial)

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

To attach the stand cover and panel cover

After connecting the cables, bundle excess cables and attach the panel cover and stand cover.
Be sure to disconnect the AC power cords of all components from their wall outlets (mains) when attaching the stand cover.

1 **Bundle the cables on the rear of the control unit.**

Thread the connected cable along through the stand (①), bundle the cables with the cable ties, in the 2 positions, to the rear of the control unit (②), then lock the cable ties (③).

2 **Store the excess portion of the cable ties into the space between the side walls of the frame.**

3 **Attach the panel cover to the rear of the control unit.**

Bundle with cable tie (supplied).

Note
• Be sure to fully extend the FM wire antenna (aerial).
• After bundling the cables, keep the FM wire antenna (aerial) as horizontal as possible.

Tip
• If it is difficult to fit the cables into the slit, bundle the cables with the cable tie (supplied), then attach the panel cover.

4 **Attach the stand cover to the rear of the control unit.**

Store the connected cables and excess portions of the cable ties inside the stand cover (①), then secure the stand cover with the 4 screws (②).

Note
- Make sure that the cables are not twisted or pinched when attaching the stand cover.
- If the stand cover does not close properly, re-organize the cables.
- Be careful not to pinch any cables while tightening screws.

5 **Attach the 2 seals (for stand cover) to hide the tightening screws.**

⑥ Connecting the AC power cords (mains leads)

Before connecting the AC power cord (mains leads) of the subwoofer to a wall outlet (mains), connect the front speakers to the subwoofer.

Subwoofer

Bottom of the subwoofer

To the wall outlet (mains)

AC power cord (mains lead)

About the demonstration

After connecting the AC power cord (mains lead), the demonstration appears in the front panel display.

To set the demonstration mode to on/off

1 **Press I/⏻.**

The system turns on.

2 **Press SYSTEM MENU on the remote.**

3 **Press ↑/↓ repeatedly until "DEMO" appears in the front panel display, then press ⊕ or →.**

4 **Press ↑/↓ to select a setting.**

   • "DEMO ON": On.
   • "DEMO OFF": Off.

5 **Press ⊕.**

The setting is made.

6 **Press SYSTEM MENU.**

The system menu turns off.

Tip
• When you purchase the system from new, or if the system is at its factory default settings (page 88), you can turn off the demonstration simply by pressing I/⏻ on the remote.

Step 3: Performing the Quick Setup

Follow the Steps below to make the basic adjustments for using the system.
Displayed items vary depending on the country model.

Note

• When you connect the system and the TV with the component video cord (not supplied) or HDMI cable (not supplied), you need to set the type of video output for matching your TV. For details, see "Setting the type of video output to match your TV" (page 27).

I/(¹)

←/↑/↓/→, ⊕

DISPLAY

1 Turn on the TV.

2 Press I/(¹).

The system turns on.

Note

• Make sure that the function is set to "DVD" (page 29).

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

[Press [ENTER] to run QUICK SETUP.] appears at the bottom of the TV screen. If this message does not appear, recall the Quick Setup display (page 27) and perform again.

4 Press ⊕ without inserting a disc.

The Setup Display for selecting the language.

```
LANGUAGE SETUP
OSD:                    ENGLISH
MENU:                   ENGLISH
AUDIO:                  FRANÇAIS
SUBTITLE:               DEUTSCH
                        ITALIANO
                        ESPAÑOL
                     NEDERLANDS
                        DANSK
                      SVENSKA
```

5 Press ↑/↓ to select a language.

The system displays the menu and subtitles in the selected language.

6 Press ⊕.

The Setup Display for selecting the aspect ratio of the TV to be connected appears.

```
VIDEO SETUP
TV TYPE:                    16:9
PROGRESSIVE (COMPO          16:9
4:3 OUTPUT:        4:3 LETTER BOX
PAUSE MODE:          4:3 PAN SCAN
```

7 Press ↑/↓ to select the setting.

■ [16:9]
If you have a wide-screen TV or a 4:3 standard TV with a wide-screen mode (page 75)

■ [4:3 LETTER BOX] or [4:3 PAN SCAN]
If you have a 4:3 standard TV (page 75)

8 Press ⊕.

"QUICK SETUP is complete." appears on the TV screen, and the Quick Setup is finished.
All connections and setup operations are complete.

To quit the Quick Setup

Press ⊡ DISPLAY in any Step.

Tip

• If you want to change any of the settings, see "Using the Setup Display" (page 74).

To recall the Quick Setup display

1 Press FUNCTION repeatedly until "DVD" appears in the front panel display.

2 Press ⬚ DISPLAY while the system is in stop mode.

The Control Menu display appears on the TV screen.

3 Press ↑/↓ to select 🖃 [SETUP], then press ⊕.

The options for [SETUP] appear.

```
94( 99)
 1( 1)              DVD VIDEO
T   0: 01: 08

CUSTOM
CUSTOM
QUICK
```

4 Press ↑/↓ to select [QUICK], then press ⊕.

The Quick Setup display appears.

Setting the type of video output to match your TV

Depending on the connection of the TV (page 19), select the type of video output of the system.

FUNCTION

←/↑/↓/→, ⊕

⬚ DISPLAY

To select the type of video signal output from the HDMI OUT jack

When you connect the control unit and the TV with the HDMI cable, select the type of video signals output from the HDMI OUT jack.
For details, refer also to the operating instructions supplied with the TV/projector, etc.

1 Press FUNCTION repeatedly until "DVD" appears in the front panel display.

2 Press ⬚ DISPLAY while the system is in stop mode.

The Control Menu display appears on the TV screen.

3 Press ↑/↓ to select 🖃 [SETUP], then press ⊕.

The options for [SETUP] appear.

4 Press ↑/↓ to select [CUSTOM], then press ⊕.

The Setup Display appears.

5 Press ↑/↓ to select [HDMI SETUP], then press ⊕.

The options for [HDMI SETUP] appear.

6 Press ↑/↓ to select [HDMI RESOLUTION], then press ⊕.

7 Press ↑/↓ to select the desired setting, then press ⊕.

- [AUTO (1920 × 1080p)]: The system outputs the optimal video signal for the connected TV.
- [1920 × 1080i]: The system outputs 1920 × 1080i* video signals.
- [1280 × 720p]: The system outputs 1280 × 720p* video signals.
- [720 × 480/576p]: The system outputs 720 × 480p* or 720 × 576p* video signals.
- * i: interlace, p: progressive

Does your TV accept progressive signals?

Progressive is the method for displaying TV images which reduces flickering and sharpens the image. To use this method, you need to connect to a TV that accepts progressive signals.

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1 **Press FUNCTION repeatedly until "DVD" appears in the front panel display.**

2 **Press ⊡ DISPLAY while the system is in stop mode.**

The Control Menu display appears on the TV screen.

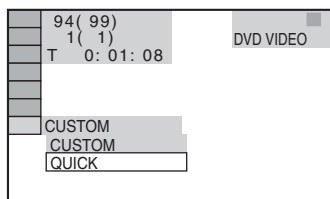**3** **Press ↑/↓ to select ▇▇ [SETUP], then press ⊕.**

The options for [SETUP] appear.

4 **Press ↑/↓ to select [CUSTOM], then press ⊕.**

The Setup Display appears.

5 **Press ↑/↓ to select [VIDEO SETUP], then press ⊕.**

The options for [VIDEO SETUP] appear.

6 **Press ↑/↓ to select [PROGRESSIVE (COMPONENT OUT)], then press ⊕.**

7 **Press ↑/↓ to select the desired setting, then press ⊕.**

• [OFF]: The system does not output progressive signals. Select this setting when:

– your TV does not accept progressive signals, or,

– your TV is connected to jacks other than the VIDEO OUT (COMPONENT) jacks.

• [ON]: The system outputs progressive signals. Select this setting when:

– your TV accepts progressive signals, and,

– the TV is connected to the VIDEO OUT (COMPONENT) jacks.

When you select [ON], the confirmation display appears. Follow the Steps below.

8 **Press ←/→ to select [START], then press ⊕.**

The system outputs the progressive signal for 5 seconds. Check that the screen is displayed correctly.

9 **Press ←/→ to select [YES], then press ⊕.**

The system outputs the progressive signal. When you select [NO], the system does not output the progressive signal.

Step 4: Changing the Sound Source

You can enjoy DVD, TV, or VCR sound, etc. by changing the sound source.

FUNCTION

Press FUNCTION repeatedly until the desired function appears in the front panel display.

Each time you press FUNCTION, the function changes as follows.

"DVD" → "FM" → "USB" → "TV"
→ "SAT/CABLE" → "DMPORT" → …

Function	Source
"DVD"	Disc that is played by the system
"FM"	FM radio (page 54)
"USB"	USB device (page 61)
"TV"	TV
"SAT/CABLE"	Component that is connected to the SAT/CABLE jacks on the control unit
"DMPORT"	DIGITAL MEDIA PORT adapter (page 73)

Note
- When you use both the TV (AUDIO IN) jacks (analog connection) and TV (DIGITAL IN OPTICAL) jack (digital connection) at the same time, the digital connection takes priority.
- When you use both the SAT/CABLE (DIGITAL IN COAXIAL) jack and SAT/CABLE (DIGITAL IN OPTICAL) jack (digital connection) at the same time, the DIGITAL IN COAXIAL connection takes priority.

Disc

Playing a Disc

DVD-V DVD-VR 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 supplied with
your disc.

Disc slot

I/(I)

FUNCTION

VOL +/−

I/(I)

FUNCTION

⏏

←•/•→

II

MUTING

VOLUME
+/−

I◄◄ /►►I

▷

◁I/ ◄◄/
►►/I►

■

1 **Turn on your TV.**

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

3 **Press I/(I).**

The system turns on.

Unless the system is set to "DVD," press
FUNCTION to select "DVD."

"No Disc" appears in 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.

5 **Press ▷.**

The system starts playback (continuous
play).

6 **Press VOLUME +/− to adjust the
volume.**

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

Note
• 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/(I) while the system is on. The system
enters standby mode.

To save power in standby mode

Press I/(I) while the system is on.
To enter power saving mode, make sure that the
system is in the following status.

– "DEMO" is set to "OFF" (page 25).

– [CONTROL FOR HDMI] is set to [OFF]
(page 58).

Other operations

To	Press
Stop	■
Pause	∥
Resume play after pause	∥ or ▷
Go to the next chapter, track, or scene[1]	▶▶∣
Go back to the preceding chapter, track, or scene[1]	∣◀◀ twice in a second. 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 ▷.
Play one frame at a time (Freeze Frame)[3][5][6]	●▶ to go to the next frame while the system is in pause mode. Press ◀● to go to the preceding frame while the system is in pause mode (DVD VIDEO/DVD-VR/DVD-R/DVD-RW/DVD+R/DVD+RW only). To return to normal playback, press ▷.
Replay the previous scene (10 seconds before)[7]	◀● (instant replay) during playback.

To	Press
Briefly fast forward the current scene (30 seconds after)[8]	●▶ (instant advance) during playback.

[1] Except for JPEG image files.

[2] Scan speeds may differ with some discs.

[3] DVD VIDEO, DVD-R, DVD-RW, VIDEO CD only.

[4] Except for VIDEO CDs.

[5] You cannot search for a still picture on a DVD-VR.

[6] For a DATA CD/DATA DVD, this function works only for DivX video files.

[7] DVD VIDEO/DVD-RW/DVD-R only.
The button can be used except for DivX video files.

[8] DVD VIDEO/DVD-RW/DVD-R/DVD+RW/DVD+R only.
The button can be used except for DivX video files.

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

Disc

Displaying multi-angles and subtitles

SUBTITLE
ANGLE

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 **DVD-VR** **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.

Note
• 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 **DVD-VR** **VIDEO CD** **C D** **DATA-CD**
DATA DVD

When the system is playing a DVD VIDEO or DATA CD/DATA DVD (DivX video files) 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.

AUDIO

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

■ **DVD VIDEO**
Depending on the DVD VIDEO, the choice of language varies.
When 4 digits are displayed, they indicate a language code. See "Language Code List" (page 104) to confirm which language the code represents. When the same language is

displayed two or more times, the DVD VIDEO is recorded in multiple audio formats.

■ DVD-VR

The types of sound tracks recorded on a disc are displayed.
Example:
- [1: MAIN] (main sound)
- [1: SUB] (sub sound)
- [1: MAIN+SUB] (main and sub sound)
- [2: MAIN]
- [2: SUB]
- [2: MAIN+SUB]

Note
- [2: MAIN], [2: SUB], and [2: MAIN+SUB] do not appear when one audio stream is recorded on the disc.

■ VIDEO CD/CD/DATA CD (MP3 file)/DATA DVD (MP3 file)
- [STEREO]: The standard stereo sound.
- [1/L]: The sound of the left channel (monaural).
- [2/R]: The sound of the right channel (monaural).

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

■ Super VCD
- [1:STEREO]: The stereo sound of the audio track 1.
- [1:1/L]: The sound of the left channel of the audio track 1 (monaural).
- [1:2/R]: The sound of the right channel of the audio track 1 (monaural).
- [2:STEREO]: The stereo sound of the audio track 2.
- [2:1/L]: The sound of the left channel of the audio track 2 (monaural).
- [2:2/R]: The sound of the right channel of the audio track 2 (monaural).

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 [2:STEREO], [2:1/L], or [2:2/R].

Checking the audio signal format

DVD-V   DATA-CD   DATA DVD

If you press AUDIO repeatedly during playback, the format of the current audio signal (PCM, Dolby Digital, DTS, etc.) appears as shown below.

■ DVD

Example:

Dolby Digital 5.1 channel

LFE (Low Frequency Effect)

Surround (L/R)

1: ENGLISH   DOLBY DIGITAL 3 2 1

Front (L/R) + Center

Example:

Dolby Digital 3 channel

Front (L/R)

Surround (Monaural)

1:SPANISH   DOLBY DIGITAL 2 1

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

Example:

MP3 audio

1:MP3   128k

Bit rate

Disc

33^{GB}

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.

Number buttons

1 **Start playing a VIDEO CD with PBC functions.**

The menu for your selection appears.

2 **Select the item number you want using the number buttons.**

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 ♗ RETURN.

Note
• Depending on the VIDEO CD, [Press ENTER] in Step 3 may appear as [Press SELECT] in the operating instructions supplied with the disc. In this case, press ▷.

Tip
• To play without using the PBC function, press ◄◄/ ►►◄ or the number buttons while the system is in stop mode to select a track, then press ▷ or ⊕ . The system starts playback. You cannot play still pictures such as a menu. To return to PBC playback, press ■ twice, then press ▷.

Resuming playback from the point where you stopped the disc

(Resume Play)

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

When you stop the disc, the system remembers the point where you pressed ■ and "Resume" appears in the front panel display. As long as you do not remove the disc, Resume Play will work even if the system is set to standby mode by pressing I/(¹).

I/(¹)

▷

■

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

"Resume" appears in the front panel display.

2 **Press ▷.**

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

Note

- 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:
  - you eject the disc.
  - 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 DVD-VR, VIDEO CD, CD, DATA CD, or DATA DVD, the system remembers the resume playback point for the current disc.
- Resume Play does not work during Program Play and Shuffle Play.
- This function may not work properly with some discs.

Tip

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

To enjoy a disc that is played before by resume playback

(Multi-disc Resume)

DVD-V **VIDEO CD**

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. When the resume playback memory is full, the resume playback point for the earliest disc is deleted.
To activate this function, set [MULTI-DISC RESUME] in [SYSTEM SETUP] to [ON]. For details, see "[MULTI-DISC RESUME] (DVD VIDEO/VIDEO CD only)" (page 79).

Note

- This system can store at least 10 resume playback points.
- If [MULTI-DISC RESUME] in [SYSTEM SETUP] is set to [OFF] (page 79), the resume point is cleared when you change the function by pressing FUNCTION.

Tip

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

Using Play Mode

Creating your own program

(Program Play)

VIDEO CD **C D**

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 99 tracks.

↑/↓/→, ⊕

▷

DISPLAY

1 Press 🎦 DISPLAY.

The Control Menu display appears on the TV screen.

2 Press ↑/↓ to select [PROGRAM], then press ⊕.

The options for [PROGRAM] appear.

3 Press ↑/↓ to select [SET →], then press ⊕.

Total time of the programmed tracks

```
PROGRAM                    (0: 00:00)
                            T
 ALL CLEAR
 1. TRACK    – –            – –
 2. TRACK    – –            01
 3. TRACK    – –            02
 4. TRACK    – –            03
 5. TRACK    – –            04
 6. TRACK    – –            05
 7. TRACK    – –            06
```

Tracks recorded on a disc

35^{GB}

4 Press →.

The cursor moves to the track row [T] (in this case, [01]).

```
PROGRAM                    0: 00:00
                              T
ALL CLEAR
1. TRACK        – –         – –
2. TRACK        – –          01
3. TRACK        – –          02
4. TRACK        – –          03
5. TRACK        – –          04
6. TRACK        – –          05
7. TRACK        – –          06
                ▼             ▼
```

5 Select the track you want to program.

For example, select track [02].
Press ↑/↓ to select [02] under [T], then press ⊕ .

Selected track

```
PROGRAM                   (0: 03:51)
                              T
ALL CLEAR
1. TRACK       (02)         – –
2. TRACK        – –          01
3. TRACK        – –          02
4. TRACK        – –          03
5. TRACK        – –          04
6. TRACK        – –          05
7. TRACK        – –          06
                ▼             ▼
```

Total time of the programmed tracks

6 To program other tracks, repeat Steps 4 to 5.

The programmed tracks are displayed in the selected order.

7 Press ▷ to start Program Play.

Program Play starts.
When the program ends, you can restart the same program again by pressing ▷.

To return to normal play

Press CLEAR while the display for the program setting is not displayed on the TV screen, or select [OFF] in Step 3. To play the same program again, select [ON] in Step 3 and press ⊕ .

To turn off the Control Menu display

Press 🗔 DISPLAY repeatedly until the Control Menu display is turned off.

To change or cancel a program

1 Follow Steps 1 to 3 of "Creating your own program."

2 Press ↑/↓ to select the program number of the track you want to change or cancel.

If you want to delete the track from the program, press CLEAR.

3 Follow Step 5 for new programming.

To cancel a program, select [--] under [T], then press ⊕ .

To cancel all of the tracks in the programmed order

1 Follow Steps 1 to 3 of "Creating your own program."

2 Press ↑ and select [ALL CLEAR].

3 Press ⊕ .

Note
• When you press CLEAR to return to normal play, Shuffle Play and Repeat Play are also canceled.

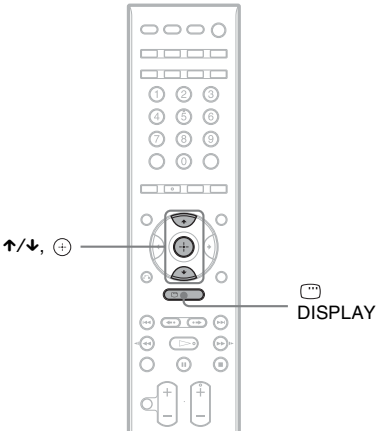## Playing in random order

(Shuffle Play)

`VIDEO CD` `C D` `DATA-CD` `DATA DVD`

You can play the contents on a disc in random order. Subsequent Shuffle Play may produce a different playing order.

Note
• Same song may be played repeatedly when you are playing MP3 files.

↑/↓, ⊕

DISPLAY

1 **Press ⊙ DISPLAY during playback.**

The Control Menu display appears on the TV screen.

2 **Press ↑/↓ to select ⬚ [SHUFFLE], then press ⊕.**

The options for [SHUFFLE] appear.

3 **Press ↑/↓ to select the item to be shuffled.**

■ **VIDEO CD/CD**
• [OFF]: Off.
• [TRACK]: You can shuffle tracks on the disc.

■ **During Program Play**
• [OFF]: Off.
• [ON]: You can shuffle tracks selected in Program Play.

■ **DATA CD (except for DivX video file)/ DATA DVD (except for DivX video file)**
• [OFF]: Off.
• [ON (MUSIC)]: You can shuffle MP3 files in the folder on the current disc. When no folder is selected, the first folder will play in random order.

4 **Press ⊕.**

Shuffle Play starts.

To return to normal play

Press CLEAR, or select [OFF] in Step 3.

To turn off the Control Menu display

Press ⊙ DISPLAY repeatedly until the Control Menu display is turned off.

Note
• You cannot use Shuffle Play with a VIDEO CD or Super VCD with PBC playback.
• When you press CLEAR to return to normal play, Program Play and Repeat Play are also canceled.

Playing repeatedly

(Repeat Play)

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

You can play the contents on a disc repeatedly. You can use a combination of Shuffle Play or Program Play modes.

REPEAT

↑/↓, ⊕

⊙
DISPLAY

1 **Press ⊙ DISPLAY during playback.**

The Control Menu display appears on the TV screen.

2 **Press ↑/↓ to select ⬚ [REPEAT], then press ⊕.**

The options for [REPEAT] appear.

3 **Press ↑/↓ to select the item to be repeated.**

■ **DVD VIDEO/DVD-VR**
• [OFF]: Off.
• [DISC]: You can repeat all of the titles on the disc.

Disc

37^{GB}

- [TITLE]: You can repeat the current title on a disc.
- [CHAPTER]: You can repeat the current chapter.

■ VIDEO CD/CD
- [OFF]: Off.
- [DISC]: You can repeats all of the tracks on the disc.
- [TRACK]: You can repeat the current track.

■ DATA CD/DATA DVD
- [OFF]: Off.
- [DISC]: You can repeat all of the folders on the disc.
- [FOLDER]: You can repeat the current folder.
- [TRACK] (MP3 files only): You can repeat the current file.
- [FILE] (DivX video files only): You can repeat the current file.

■ During Shuffle Play or Program Play
- [OFF]: Off
- [ON]: You can repeat Shuffle Play or Program Play.

4 Press ⊕.

The item is selected.

To return to normal play

Press CLEAR, or select [OFF] in Step 3.

To turn off the Control Menu display

Press ⊡ DISPLAY repeatedly until the Control Menu display is turned off.

Note
- You cannot use Repeat Play with a VIDEO CD or Super VCD with PBC playback.
- When the system is playing a DATA CD/DATA DVD which contains MP3 files and JPEG image files, and their playing time is not the same, the audio sound will not match the image.
- When [MODE (MUSIC, IMAGE)] is set to [IMAGE] (page 44), you cannot select [TRACK].
- When you press CLEAR to return to normal play, Program Play and Shuffle Play are also canceled.

Tip
- You can quickly display the [REPEAT] status. Press REPEAT on the remote.

Searching/Selecting a Disc

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.

Number buttons

DVD TOP MENU

←/↑/↓/→, ⊕

DVD MENU

1 Press DVD TOP MENU or DVD MENU.

The disc's menu appears on the TV screen.
The contents of the menu vary depending on the disc.

2 Press ←/↑/↓/→ or the number buttons to select the item you want to play or change.

3 Press ⊕.

To display the DVD's menu on the Control Menu display

1 **Press ⏤ DISPLAY during playback.**

The Control Menu display appears on the TV screen.

2 **Press ↑/↓ to select 🔲 [DISC MENU], then press ⊕ .**

The options for [DISC MENU] appear.

3 **Press ↑/↓ to select [MENU] or [TOP MENU].**

4 **Press ⊕ .**

To turn off the Control Menu display

Press ⏤ DISPLAY repeatedly until the Control Menu display is turned off.

Selecting [ORIGINAL] or [PLAY LIST] on a DVD-VR

DVD-VR

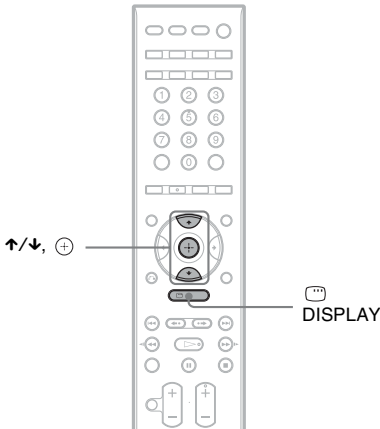This function is only available for DVD-VRs with a playlist created.

↑/↓, ⊕

⏤ DISPLAY

1 **Press ⏤ DISPLAY while the system is in stop mode.**

The Control Menu display appears on the TV screen.

2 **Press ↑/↓ to select 🔲 [ORIGINAL/ PLAY LIST], then press ⊕ .**

The options for [ORIGINAL/PLAY LIST] appear.

3 **Press ↑/↓ to select a setting.**

- [PLAY LIST]: You can play the titles created from [ORIGINAL] for editing.
- [ORIGINAL]: You can play the titles originally recorded.

4 **Press ⊕ .**

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

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

DATA DVD

You can search a DVD VIDEO/DVD-VR 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, you can search by folder or file. As titles 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.

Number buttons

↑/↓, ⊕

⏤ DISPLAY

1 **Press ⏤ DISPLAY. (When playing a DATA CD/DATA DVD with JPEG image files, press ⏤ DISPLAY twice.)**

The Control Menu display appears on the TV screen.

2 Press ↑/↓ to select the search method.

Example: [CHAPTER]

[** (**)] is selected (** refers to a number).
The number in parentheses indicates the
total number of titles, chapters, tracks,
indexes, scenes, folders, or files.

```
98( 99)
(13( 99))          ▶
T   0: 03: 17      DVD VIDEO
```

Selected row

3 Press ⊕.

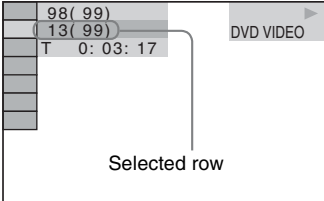[** (**)] changes to [– – (**)].

```
98( 99)
– –( 99)           ▶
T   0: 03: 17      DVD VIDEO
```

4 Press ↑/↓ or the number buttons to select the desired number of the title, chapter, track, index, scene, etc.

If you make a mistake, press CLEAR to
cancel the number.

5 Press ⊕.

The system starts playback from the
selected number.

Tip
• When the Control Menu display is turned off, you can
search for a chapter (DVD VIDEO/DVD-R/DVD-
RW), track (VIDEO CD/CD), or file (DATA CD/
DATA DVD (DivX video file)) by pressing the
number buttons and ⊕.

To search for a scene using the time code

DVD-V   DVD-VR

1 In Step 2, select   [TIME].

[T **:**:**] (playing time of the current
title) is selected.

2 Press ⊕.

[T **:**:**] changes to [T --:--:--].

3 Input the time code using the number buttons.

For example, to find the scene at 2 hours, 10
minutes, and 20 seconds after the
beginning. Press 2, 1, 0, 2, 0 ([2:10:20]).

4 Press ⊕.

Note
• You cannot search for a scene on a DVD+RW using
the time code.

Playing MP3 Files/JPEG Image Files

DATA-CD **DATA DVD**

You can play the MP3 files or JPEG image files:
- which have the extension ".MP3" (MP3 file) or ".JPG"/".JPEG" (JPEG image file)
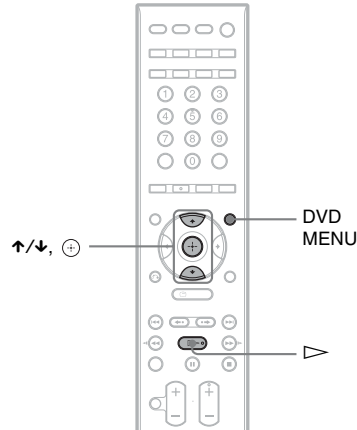- which conform to the DCF* image file format
* "Design rule for Camera File system": Image standards for digital cameras regulated by Japan Electronics and Information Technology Industries Association (JEITA).

Note
- The system will play any data with the extension ".MP3," ".JPG," or ".JPEG" even if they are not in MP3 or JPEG format. Playing these data may generate a loud noise which could damage your speaker system.
- The system does not conform to audio in MP3PRO format.
- The system can recognize up to 200 folders, and will not play any folders beyond the 200th. (Depending on the folder configuration, the number of folders that can be recognized by the system may decrease.)
- The system can recognize up to 150 MP3 files/JPEG image files in a folder.
- The system may take longer time to playback, when progressing to the following folder or jump to other folder.
- The system may not play certain types of JPEG image files (ex. a JPEG image file that is less than 8 (width) × 8 (height)).

Selecting an MP3 file or folder

1 **Load a DATA CD or DATA DVD.**

2 **Press DVD MENU.**

The folders recorded on the DATA CD or DATA DVD appear. When a folder is being played, its title is shaded.

```
FOLDER LIST

01  Let's Talk About Love (1985)
02  1st Album (1986)
03  In the Middle of Nowhere (1986)
04  Ready for Romance (1986)
05  In the Garden of Venus (1987)
06  Romantic Warriors (1987)
07  Back for Good (1988)
08  Alone (1999)
                              ▼
```

3 **Press ↑/↓ to select a folder.**

■ **To play MP3 files in a folder**
Press ▷ to start playing the selected folder.

■ **To select an MP3 file**
Press ⊕.
The list of files contained in the folder appears.

Disc

41GB

```
TRACK LIST
☐  03  In the Middle of Nowher...

01_Geronimo_s_Cadillac
02_Riding_On_A_White_Swan
03_Give_Me_Peace_On_Earth
04_Sweet_Little_Shella
05_Ten_Thousand_Lonely_Drums
06_Lonely_Tears_In_Chinatown
07_In_Shaire
                              ▼
```

Press ↑/↓ to select a file and press ⊕.
The system starts playing the selected file.
You can turn the file list off by pressing
DVD MENU. Pressing DVD MENU again
will display the folder list.

To stop playback

Press ■.

To play the next or previous MP3 file

Press ▶▶| to play the next MP3 file. Press |◀◀
twice to play the previous MP3 file. When you
press |◀◀ once, you can go to the beginning of
the current MP3 file. Note that you can select the
next folder by continuing to press ▶▶| after the
last file on the current folder, but that you cannot
return to the previous folder by pressing |◀◀.
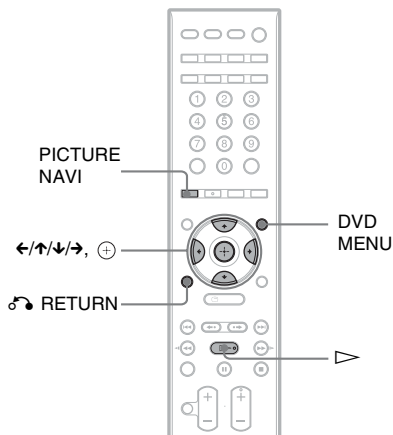To return to the previous folder, select the folder
from the folder list.

To return to the previous display

Press δ̇ RETURN.

To turn off the display

Press DVD MENU.

Selecting a JPEG image file or folder

PICTURE NAVI

←/↑/↓/→, ⊕

δ̇ RETURN

DVD MENU

▷

1 Load a DATA CD or DATA DVD.

2 Press DVD MENU.

The folders recorded on the DATA CD or
DATA DVD appear. When a folder is being
played, its title is shaded.

```
FOLDER LIST

01  Let's Talk About Love (1985)
02  1st Album (1986)
03  In the Middle of Nowhere (1986)
04  Ready for Romance (1986)
05  In the Garden of Venus (1987)
06  Romantic Warriors (1987)
07  Back for Good (1988)
08  Alone (1999)
                              ▼
```

3 Press ↑/↓ to select a folder.

■ **To play JPEG image files in a folder**
Press ▷ to start playing the selected
folder.

■ **To select a JPEG image file by displaying the subscreens**
Press PICTURE NAVI.
Images of JPEG image files in the folder
appear in 16 subscreens.

42^{GB}

1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16

Press ←/↑/↓/→ to select the JPEG image
file you want to view, then press ⊕ .
To return to normal screen, press ᗡ꜀
RETURN.

Note

• PICTURE NAVI does not work when you set
[MODE (MUSIC, IMAGE)] to [MUSIC].

Tip

• A scroll box is displayed at the right side of the
TV screen. To display the additional JPEG
image files, select the bottom JPEG image file
and press ↓. To return to the previous JPEG
image file, select the top JPEG image file and
press ↑.

To play the next or previous JPEG image file

Press →/← when the Control Menu display is not
displayed. Note that you can select the next
folder by continuing to press → after the last
image on the current folder, but that you cannot
return to the previous folder by pressing ←. To
return to the previous folder, select the folder
from the folder list.

To rotate a JPEG image file

When a JPEG image file is displayed on the TV
screen, you can rotate the JPEG image file by 90
degrees.
Press ↑/↓ while viewing a JPEG image file.
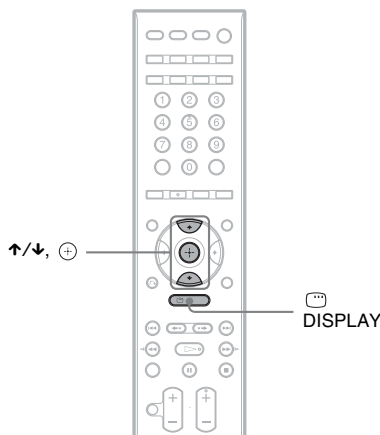Press CLEAR to return to normal view.

Note

• You cannot rotate the JPEG image file when you set
[JPEG RESOLUTION] in [HDMI SETUP] to [(1920
× 1080i) HD ▢] or [(1920 × 1080i) HD] (page 78).

To stop playback

Press ■.

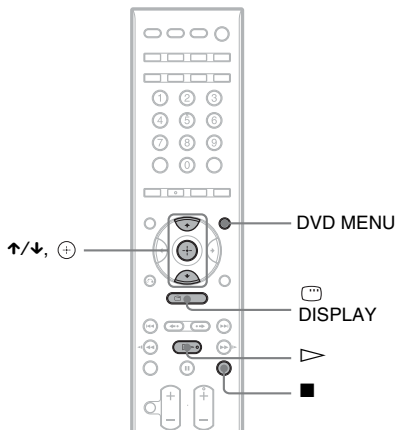## Displaying the list of MP3 files/JPEG image files

↑/↓, ⊕

DISPLAY

1 Press ⊡ DISPLAY during playback.
The Control Menu display appears on the
TV screen.

2 Press ↑/↓ to select ▭
[BROWSING], then press ⊕ .
The options for [BROWSING] appear.

3 Press ↑/↓ to select the desired list,
then press ⊕ .
   • [FOLDER LIST]: The list of folders
     appears. Follow Step 3 of "Selecting an
     MP3 file or folder" or "Selecting a JPEG
     image file or folder."
   • [PICTURE LIST]: Images of JPEG image
     files in the folder appear in 16 subscreens.
     Follow Step 3 of "Selecting a JPEG image
     file or folder."
   If there is no JPEG image file in the
   selected folder, [No image data] appears.
   In this case, select [FOLDER LIST] to
   display the list of folders.

43GB

Playing MP3 files and JPEG image files as a slide show with sound

You can play a slide show with sound by first placing both MP3 files and JPEG image files in the same folder on a DATA CD or DATA DVD.

DVD MENU

↑/↓, ⊕

DISPLAY

▷

■

1 **Load a DATA CD or DATA DVD.**

2 **Press ■.**

3 **Press 🗔 DISPLAY.**

The Control Menu display appears on the TV screen.

4 **Press ↑/↓ to select 🎵↔️🖼️ [MODE (MUSIC, IMAGE)], then press ⊕.**

The options for [MODE (MUSIC, IMAGE)] appear.

5 **Press ↑/↓ to select a setting.**

- [AUTO]: You can play both the JPEG image files and MP3 files in the same folder as a slide show.
- [MUSIC]: You can play only MP3 files continuously.
- [IMAGE]: You can play only JPEG image files as a slide show.

6 **Press ⊕.**

7 **Press DVD MENU.**

The list of folders recorded on the DATA CD or DATA DVD appears.

8 **Press ↑/↓ to select the desired folder.**

9 **Press ▷.**

The system starts playing the selected folder.

You can turn the folder list on/off by pressing DVD MENU repeatedly.

Note
- PICTURE NAVI does not work when [MUSIC] is selected.
- If you play large MP3 file and JPEG image file at the same time, the sound may skip. Sony recommends that you set the MP3 bit rate to 128 kbps or lower when creating the file. If the sound still skips, reduce the size of the JPEG image file.

To select the slide show duration of JPEG image files

1 **Press 🗔 DISPLAY twice.**

The Control Menu display appears on the TV screen.

2 **Press ↑/↓ to select 🖼️ [INTERVAL], then press ⊕.**

The options for [INTERVAL] appear.

3 **Press ↑/↓ to select a setting.**

- [NORMAL]: You can set to the standard duration.
- [FAST]: You can set the duration shorter than [NORMAL].
- [SLOW 1]: You can set the duration longer than [NORMAL].
- [SLOW 2]: You can set the duration longer than [SLOW 1].

4 **Press ⊕.**

Note
- Some JPEG image files may take longer to display than the option you selected. Especially progressive JPEG image files or JPEG image files of 3,000,000 pixels or more.
- Duration of interval depends on the [JPEG RESOLUTION] setting in [HDMI SETUP] (page 78).

44GB

To select an effect for JPEG image files in the slide show

1 Press ⊙ DISPLAY twice.

The Control Menu display appears on the TV screen.

2 Press ↑/↓ to select 🖼 [EFFECT], then press ⊕.

The options for [EFFECT] appear.

3 Press ↑/↓ to select a setting.

- [MODE 1]: The JPEG image file sweeps in from top to bottom.
- [MODE 2]: The JPEG image file stretches out from left to right of the TV screen.
- [MODE 3]: The JPEG image file stretches out from the center of the TV screen.
- [MODE 4]: The JPEG image files randomly cycle through the effects.
- [MODE 5]: The next JPEG image file slides over the previous image.
- [OFF]: Off.

4 Press ⊕.

> **Note**
> • The [EFFECT] setting is not effective when you set [JPEG RESOLUTION] in [HDMI SETUP] to [(1920 × 1080i) HD ☐] or [(1920 × 1080i) HD] (page 78).

Enjoying DivX® Videos

DATA-CD **DATA DVD**

About DivX video files

DivX® is a video file compression technology, developed by DivX, Inc. This product is an official DivX® Certified product.
You can play a DATA CD or DATA DVD that contains DivX® video files.

A DATA CD or DATA DVD that the system can play

Playback of a DATA CD (CD-ROM/CD-R/CD-RW) or DATA DVD (DVD-ROM/DVD-R/DVD-RW/DVD+R/DVD+RW) on this system is subject to certain conditions:

– With a DATA CD/DATA DVD that contains DivX video files in addition to MP3 audio tracks or JPEG image files, the system plays only the DivX video files.

However, this system only plays a DATA CD of format ISO 9660 Level 1/Level 2 or Joliet, and a DATA DVD of Universal Disk Format (UDF). Refer to the operating instructions supplied with the disc drives and the recording software (not supplied) for details on the recording format.

About playback order of data on a DATA CD or DATA DVD

Note that the playback order may not be applicable, depending on the software used for creating the DivX video file, or if there are more than 200 folders and 150 DivX video files in each folder.

> **Note**
> • The system may not be able to play some DATA CDs/DATA DVDs created in the Packet Write format.

DivX video files that the system can play

The system can play data that is recorded in DivX format, and which has the extension ".AVI," or ".DIVX." The system will not play

45GB

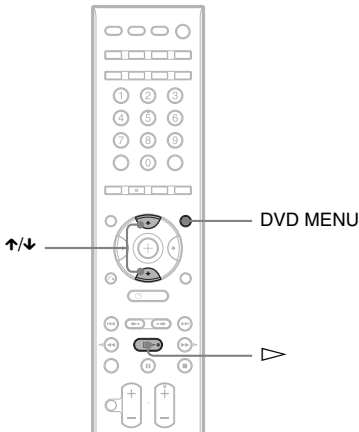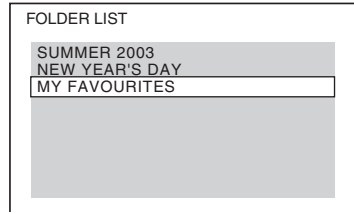files with the extension ".AVI" or ".DIVX" if they do not contain a DivX video.

Note
• The system may not play a DivX video file when the file has been combined from two or more DivX video files.
• The system cannot play a DivX video file of size more than 720 (width) × 576 (height) or 2GB.
• Depending on the DivX video file, sound may skip or not match the pictures on the TV screen.
• The system cannot play some DivX video files that are longer than 3 hours.
• Depending on the DivX video 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 for playing DivX files.
• Because of the compression technology used for DivX video files, it may take some time after you press ▷ for the picture to appear.

Selecting a folder

↑/↓

DVD MENU

▷

1 Press DVD MENU.

A list of folders on the disc appears. Only folders that contain DivX video files are listed.

```
FOLDER LIST

SUMMER 2003
NEW YEAR'S DAY
MY FAVOURITES
```

2 Press ↑/↓ to select the folder you want to play.

3 Press ▷.

The system starts playing the selected folder.
To select DivX video files, see "Selecting a DivX video file" (page 46).

To go to the next or previous page

Press •➔ / ←• .

To turn off the display

Press DVD MENU repeatedly.

To stop playback

Press ■.

Selecting a DivX video file

↑/↓, ⊕

DVD MENU

1 After Step 2 of "Selecting a folder," press ⊕ .

The list of files in the folder appears.

```
FILE LIST
📁  MY FAVOURITES

HAWAII 2004
VENUS
```

2 Press ↑/↓ to select a file and press ⊕.

The selected file starts playing.

To go to the next or previous page

Press •➔ / ←• .

To return to the previous display

Press ♂⌐ RETURN.

To stop playback

Press ■.

To play the next or previous DivX video file without turning on the above file list

You can select the next or previous DivX video file in the same folder by pressing ▶▶│/│◀◀ . You can also select the first file of the next folder by pressing ▶▶│ during playback of the last file of the current folder. Note that you cannot return to the previous folder by pressing │◀◀ . To return to the previous folder, select it from the folder list.

Tip
• If the number of viewing times is preset, you can play the DivX video files as many times as the preset number. The following occurrences are counted:
  – when the system is turned off.
  – when another file is played.
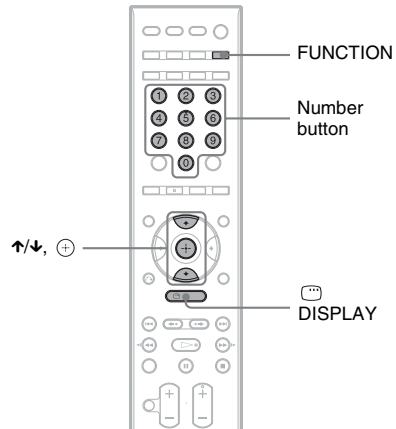 – when the disc is ejected.

Restricting Playback of the Disc

[PARENTAL CONTROL]

DVD-V

Playback of some DVD VIDEOs can be limited according to a predetermined level such as the age of the users. Scenes may be blocked or replaced with different scenes.
You can set the playback restriction by registering a password. When you set the [PARENTAL CONTROL] function to on, you need to enter the password to play restricted discs.

FUNCTION

Number button

↑/↓, ⊕

⌐⌐ DISPLAY

1 Press FUNCTION repeatedly until "DVD" appears in the front panel display.

2 Press ⌐⌐ DISPLAY while the system is in stop mode.

The Control Menu display appears on the TV screen.

3 Press ↑/↓ to select [SETUP], then press ⊕.

The options for [SETUP] appear.

4 Press ↑/↓ to select [CUSTOM], then press ⊕.

The Setup Display appears.

47^{GB}

5 Press ↑/↓ to select [SYSTEM SETUP], then press ⊕.

The options for [SYSTEM SETUP] appear.

6 Press ↑/↓ to select [PARENTAL CONTROL →], then press ⊕.

■ If you have not entered a password

The display for registering a new password appears.

```
PARENTAL CONTROL


    Enter a new 4-digit password,
    then press ENTER.

    ▮    ▮    ▮    ▮
```

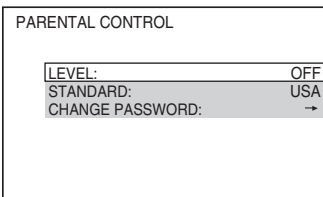Enter a 4-digit password using the number buttons, then press ⊕.

The display for confirming the password appears.

■ When you have already registered a password

The display for entering the password appears.

7 Enter or re-enter your 4-digit password using the number buttons, then press ⊕.

The display for setting the playback limitation level appears.

```
PARENTAL CONTROL

LEVEL:                          OFF
STANDARD:                       USA
CHANGE PASSWORD:                 →
```

8 Press ↑/↓ to select [STANDARD], then press ⊕.

The selection items for [STANDARD] are displayed.

9 Press ↑/↓ to select a geographic area as the playback limitation level, then press ⊕.

The area is selected.

When you select [OTHERS →], select and enter a standard code in the table of

"Parental Control Area Code List" (page 104) using the number buttons.

10 Press ↑/↓ to select [LEVEL], then press ⊕.

The selection items for [LEVEL] are displayed.

11 Press ↑/↓ to select the desired level, then press ⊕.

[PARENTAL CONTROL] setting is complete.

The lower the value, the stricter the limitation.

To turn off the [PARENTAL CONTROL] function

Set [LEVEL] to [OFF] in Step 11.

To play a disc for which [PARENTAL CONTROL] is set

1 Load the disc and press ▷.

The display for entering your password appears.

2 Enter your 4-digit password using the number buttons, then press ⊕.
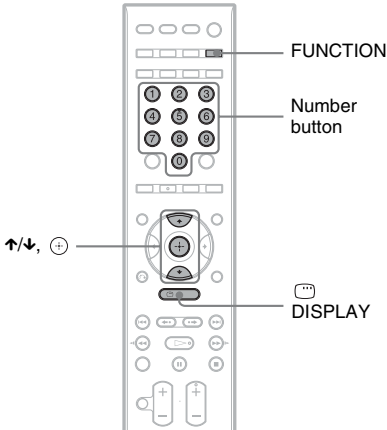
The system starts playback.

Note
- When you play discs which do not have the [PARENTAL CONTROL] function, playback cannot be limited on this system.
- Depending on the disc, you may be asked to change the parental control level while playing the disc. In this case, enter your password, then change the level. If the Resume Play mode is canceled, the level returns to the previous level.

Tip
- If you forget your password, remove the disc and repeat Steps 1 to 7 of "Restricting Playback of the Disc" (page 47). When you are asked to enter your password, enter "199703" using the number buttons, then press ⊕. The display will ask you to enter a new 4-digit password. After you enter a new 4-digit password, replace the disc in the control unit and press ▷. When the display for entering your password appears, enter your new password.

Changing the password

FUNCTION

Number
button

↑/↓, ⊕

DISPLAY

1 **Press FUNCTION repeatedly until "DVD" appears in the front panel display.**

2 **Press ⊡ DISPLAY while the system is in stop mode.**

The Control Menu display appears on the TV screen.

3 **Press ↑/↓ to select [SETUP], then press ⊕ .**

The options for [SETUP] appear.

4 **Press ↑/↓ to select [CUSTOM], then press ⊕ .**

The Setup Display appears.

5 **Press ↑/↓ to select [SYSTEM SETUP], then press ⊕ .**

The options for [SYSTEM SETUP] appear.

6 **Press ↑/↓ to select [PARENTAL CONTROL →], then press ⊕ .**

The display for entering the password appears.

7 **Enter your 4-digit password using the number buttons, then press ⊕ .**

8 **Press ↑/↓ to select [CHANGE PASSWORD →], then press ⊕ .**

9 **Enter your 4-digit password using the number buttons, then press ⊕ .**

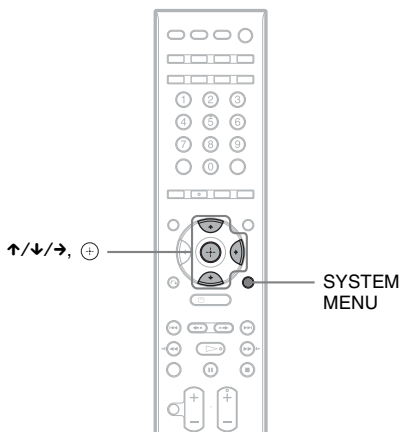**10** **Enter a new 4-digit password using the number buttons, then press ⊕ .**

11 **To confirm your password, re-enter it using the number buttons, then press ⊕ .**

If you make a mistake entering your password

Press ← before you press ⊕ , then input the correct number.

Enjoying Surround Sound by Using Decoding Mode

You can enjoy surround sound simply by selecting one of the system's pre-programmed decoding modes. They bring exciting and powerful sound of movie theaters into your home.

↑/↓/→, ⊕

SYSTEM MENU

1 **Press SYSTEM MENU.**

2 **Press ↑/↓ repeatedly until "DEC. MODE" appears in the front panel display, then press ⊕ or →.**

3 **Press ↑/↓ repeatedly until the decoding mode you want appears in the front panel display.**

Display	Decoding mode	Effect
"AUTO"	2 CHANNEL STEREO, WIDE STAGE and PORTABLE AUDIO automatically switchable	Selects the decoding mode automatically depending on the disc or the function selected. • "2CH STEREO": Outputs 2 channel sound regardless of the audio signal type being input when an audio disc (e.g., CD, DATA-CD (MP3), etc.) is played, or when the function is set to "FM." The AUTO indicator on the front panel lights up. • "WIDE STAGE": Produces a surround sound image with two front speakers and a subwoofer when an image disc (e.g., DVD, VCD, etc.) is played, or when the function is set to "TV" or "SAT/CABLE." The AUTO and WIDE STAGE indicators on the front panel light up. • "PORTABLE AUDIO": Produces a clear enhanced sound image from your portable audio device when the function is set to "USB" or "DMPORT." The AUTO indicator on the front panel lights up.
"2CH STEREO"	2 CHANNEL STEREO	Outputs 2 channel sound regardless of the audio signal type being input. "2CH STEREO" is applied to the "TV" and "SAT/CABLE" functions by default.

50^{GB}

4 Press ⊕.

The selected decoding mode is applied.

5 Press SYSTEM MENU.

The system menu turns off.

To turn the surround effect off

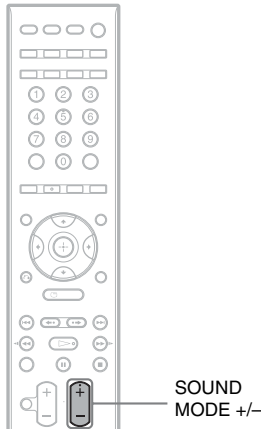Select "2CH STEREO" for "DEC. MODE" and set the sound mode (page 52) to "MOVIE" or "MUSIC."

Note

• The surround effect might be difficult to hear depending on the type of source signals (e.g., digital stereo signals, digital multi signals, etc.) except for DVD multi-channel signals.

• You cannot select the decoding mode when the control unit is reading the files in the USB device or transferring songs.

• Depending on the input stream, the decoding mode may not be effective.

• The surround effect is canceled when the sound mode is set to "SPORTS."

Tip

• The system memorizes the last decoding mode selected for each function mode.

Whenever you select a function such as "DVD" or "FM," the decoding mode that was last applied to the function is automatically applied again when it is returned to. For example, if you listen to "DVD" with "AUTO" as the decoding mode, then change to another function, and then return to "DVD," "AUTO" will be applied again.

Selecting the Sound Mode

You can select a suitable sound mode for various sources such as movies or music.

SOUND MODE +/–

Press SOUND MODE +/– repeatedly during playback until the desired mode appears in the front panel display.

- "AUTO": The system selects "MOVIE" or "MUSIC" automatically to produce the sound effect depending on the disc or sound stream.
- "MOVIE": The system provides the sound for movies.
- "MUSIC": The system provides the sound for music.
- "SPORTS": The system adds reverberation for the sports program.
- "NEWS": The system provides the sound for the voice program, such as news.
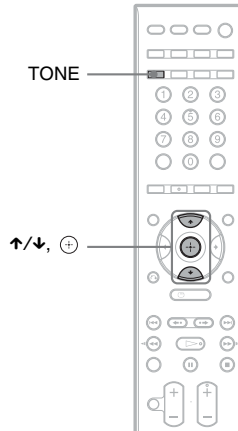
Note
- Depending on the disc or source, when you select "AUTO," the beginning of the sound may be cut off as the system selects the optimum mode automatically. To avoid cutting the sound, select other than "AUTO."
- Depending on the input stream, the sound mode may not be effective.

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

Adjusting the Bass and Treble Level

You can adjust the bass and treble level easily.

TONE

↑/↓, ⊕

1 **Press TONE repeatedly until "BASS" or "TREBLE" appears in the front panel display.**
   - "BASS": adjusts the bass level (-6.0 - +6.0, 0.5 increments).
   - "TREBLE": adjusts the treble level (-6.0 - +6.0, 0.5 increments).

2 **Press ↑/↓ to adjust.**
   The adjusted value appears in the front panel display.

3 **Press ⊕ .**

Note
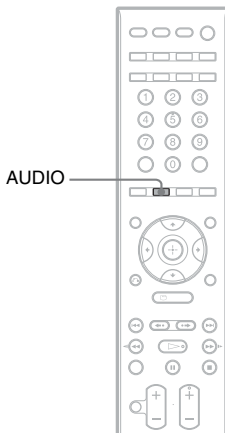Depending on the sound mode, the sound effect may be less noticeable.

Enjoying Multiplex Broadcast Sound

(DUAL MONO)

You can enjoy multiplex broadcast sound when the system receives or plays the Dolby Digital multiplex broadcast signal.

Note
- To receive the Dolby Digital signal, you need to connect a TV or other component to the control unit with an optical or coaxial digital cord (page 19) and set the digital output mode of the TV or other component to Dolby Digital.

AUDIO

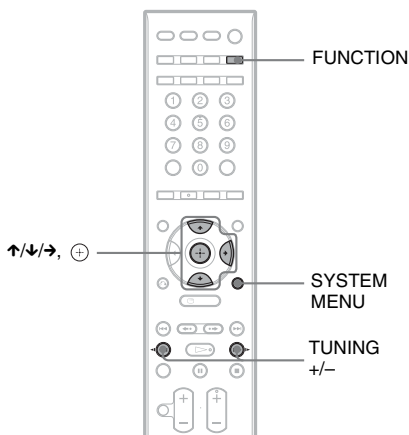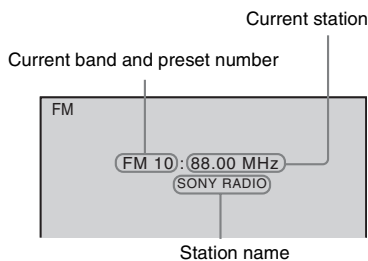**Press AUDIO repeatedly until the desired signal appears in the front panel display.**

- "<u>MAIN</u>": Sound of the main language will be output.
- "SUB": Sound of the sub language will be output.
- "MAIN+SUB": Mixed sound of both the main and sub languages will be output.

Presetting Radio Stations

You can preset 20 FM stations. Before tuning, make sure to turn down the volume to minimum.

Tip
• You can operate the tuner function by observing the following display on the TV screen.

Current station

Current band and preset number

FM

(FM 10) : (88.00 MHz)

(SONY RADIO)

Station name

FUNCTION

↑/↓/→, ⊕

SYSTEM MENU

TUNING +/–

1 **Press FUNCTION repeatedly until "FM" appears in the front panel display.**

2 **Press and hold TUNING +/– until the auto scanning starts.**

Scanning stops when the system tunes in a station. "TUNED" and "STEREO" (for stereo program) appear in the front panel display.

3 **Press SYSTEM MENU.**

4 **Press ↑/↓ repeatedly until "MEMORY" appears in the front panel display.**

5 **Press ⊕ or →.**

A preset number appears in the front panel display.

TUNED   STEREO
MEMORY   4

6 **Press ↑/↓ to select the preset number you want.**

TUNED   STEREO
MEMORY   7

Tip
• You can select the preset number directly by pressing the number buttons.

7 **Press ⊕.**

"COMPLETE" appears in the front panel display, and the station is stored.

8 **Repeat Steps 2 to 7 to store other stations.**
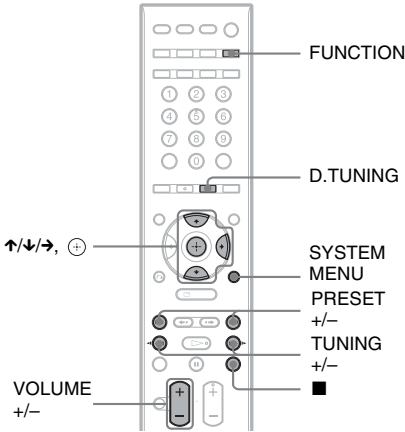
9 **Press SYSTEM MENU.**

The system menu turns off.

To change the preset number

Select the desired preset number by pressing PRESET +/– (page 55), then perform the procedure from Step 3.

Listening to the Radio

Preset radio stations in the system's memory first (see "Presetting Radio Stations" (page 54)).

FUNCTION

D.TUNING

↑/↓/→, ⊕

SYSTEM MENU

PRESET +/−

TUNING +/−

■

VOLUME +/−

1 Press FUNCTION repeatedly until "FM" appears in the front panel display.

The last received station is tuned in.

2 Press PRESET +/− repeatedly to select the preset station.

Each time you press the button, the system tunes in one preset station.

Tip
• You can select the preset station number directly by pressing the number buttons.

3 Adjust the volume by pressing VOLUME +/−.

To turn off the radio

Press I/(¹).

To listen to non-preset radio stations

Use manual or automatic tuning in Step 2.
For manual tuning, press TUNING +/− repeatedly.
For automatic tuning, press and hold TUNING +/−. The automatic tuning stops automatically when the system receives the radio station. To stop the automatic tuning manually, press TUNING +/− or ■.

To listen to radio stations when you know the frequencies

1 Press FUNCTION repeatedly until "FM" appears in the front panel display.

2 Press D.TUNING.

3 Press the number buttons to select the frequencies.

4 Press ⊕.

Tip
• To improve reception, reorient the connected antennas (aerials).

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.
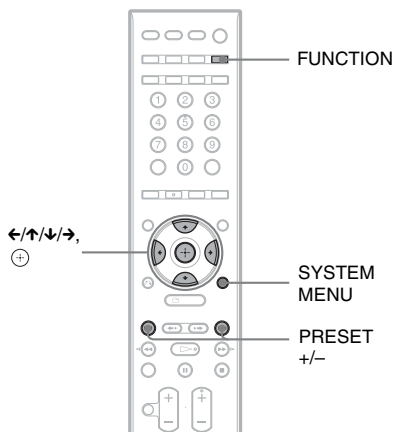
1 Press SYSTEM MENU.

2 Press ↑/↓ repeatedly until "FM MODE" appears in the front panel display.

```
TUNED        STEREO
    F M   M O D E
```

3 Press ⊕ or →.

4 Press ↑/↓ to select "MONO."

• "STEREO": Stereo reception.
• "MONO": Monaural reception.

5 Press ⊕.

The setting is made.

6 Press SYSTEM MENU.

The system menu turns off.

Tuner

55GB

Naming preset stations

You can enter a name for preset stations. These names (for example, "XYZ") appear in the front panel display when a station is selected.
Only one name can be entered for each preset station.

FUNCTION

←/↑/↓/→,
⊕

SYSTEM
MENU

PRESET
+/–

1 **Press FUNCTION repeatedly until "FM" appears in the front panel display.**

The last received station is tuned in.

2 **Press PRESET +/– repeatedly to select the preset station you want to create an index name for.**

3 **Press SYSTEM MENU.**

4 **Press ↑/↓ repeatedly until "NAME IN" appears in the front panel display.**

> TUNED   STEREO
> NAME IN

5 **Press ⊕ or →.**

6 **Press ←/↑/↓/→ to input the character.**

Press ↑/↓ to select a character, then press → to move the cursor to the next position.

> TUNED   STEREO
> A B C

You can input letters, numbers, and other symbols for a radio station.

If you make a mistake

Press ←/→ repeatedly until the character to be changed flashes, then press ↑/↓ to select the desired character.

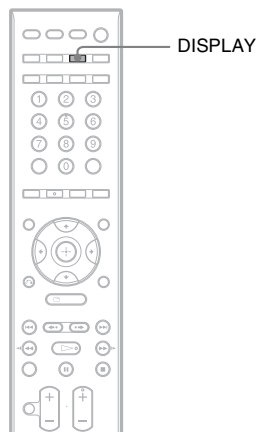To erase the character, press ←/→ repeatedly until the character to be erased flashes, then press CLEAR.

7 **Press ⊕.**

"COMPLETE" appears in the front panel display, and the station name is stored.

8 **Press SYSTEM MENU.**

The system menu turns off.

Viewing the station name or frequency in the front panel display

You can check the frequency using the front panel display.

DISPLAY

Press DISPLAY.

Each time you press DISPLAY, the front panel display changes as shown.
① Station name*
② Frequency**
* This is displayed if you have entered a name for a preset station.
** Returns to the original display when several seconds have elapsed.

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.*

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.
- * 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.

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

57^{GB}

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:
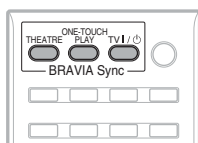
– Theater/Theatre Mode (page 59)

– One-Touch Play (page 59)

– System Power Off (page 60)

– System Audio Control (page 60)

– Volume Limit (page 60)

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 THEATER/THEATRE, ONE-TOUCH PLAY, TV I/⏻. For details, see "Controlling the TV with the Supplied Remote" (page 86) and refer to the operating instructions of the TV.

Note

• 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 - Easy Setting)

The system is compatible with the Control for HDMI - Easy Setting function. If the TV is compatible with the Control for HDMI - Easy Setting 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 - Easy Setting function, set the Control for HDMI function of the system and TV manually.
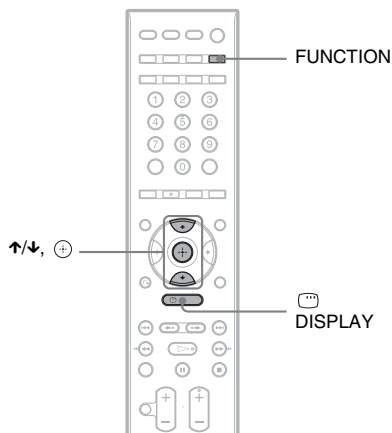
Note

• 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 off).

To set the [CONTROL FOR HDMI] function to on/off

FUNCTION

↑/↓, ⊕

DISPLAY

1 **Press FUNCTION repeatedly until "DVD" appears in the front panel display.**

2 **Press ▭ DISPLAY while the system is in stop mode.**

The Control Menu display appears on the TV screen.

3 **Press ↑/↓ to select [SETUP], then press ⊕.**

The options for [SETUP] appear.

4 **Press ↑/↓ to select [CUSTOM], then press ⊕.**

The Setup Display appears.

5 **Press ↑/↓ to select [HDMI SETUP], then press ⊕.**

The options for [HDMI SETUP] appear.

6 **Press ↑/↓ to select [CONTROL FOR HDMI], then press ⊕.**

7 **Press ↑/↓ to select the setting, then press ⊕.**
- [OFF]: Off.
- [ON]: On.

Note
- When [Please verify the HDMI connection.] appears, make sure the HDMI connection is correct.

Using the Theater/Theatre Mode

(Theater/Theatre Mode)

If your TV is compatible with the Theater/ Theatre Mode, you can enjoy optimal image suited for movies and the sound is output from the system's speaker automatically by pressing THEATER/THEATRE.

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.

Note
- One-Touch Play does not work when you press ▷.

The system and TV work as follows (e.g.):

This system	TV
Turns on. (If not already turned on.)	Turns on. (If not already turned on.)
↓	↓
Switches to "DVD" function.	Switches to HDMI input.
↓	↓
	Minimizes sound level.
Starts playing the disc and outputs the sound.	(System Audio Control)

Note
- 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/① on the system's remote, the system turns off automatically.

- Before using the System Power Off function, set the function for TV power. For details, refer to the operating instructions of the TV.
- Depending on the status of the system (ex. while other than "DVD" or "TV" function, or playing a CD), the system may not turn off automatically.

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 19).

Depending on the TV, when you set the system to the "TV" 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," 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," 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.

Note
- 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" 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.
- While transferring songs on an audio CD into a USB device, the System Audio Control function will not work.

Tip
- You can connect the system and the TV audio digitally. For details, see page 20.

Setting the Maximum Volume Level of the System

(Volume Limit)

If you change the output method of the TV to the system speaker on the TV menu or by pressing THEATER/THEATRE, loud sound may be output depending on the volume level of the system. You can prevent this by limiting the maximum level of the volume. For details, see "[VOLUME LIMIT]" (page 77).

Playing Back Audio Files/JPEG Image Files of a USB Device

You can play audio files (MP3/WMA/AAC files)/JPEG image files transferred in a USB device (not supplied) by connecting the USB device to the control unit.
For a list of USB devices that can be connected to the control unit, see "Playable USB Devices" (supplement).
The audio format that can be played back by the system is MP3/WMA/AAC files* only.

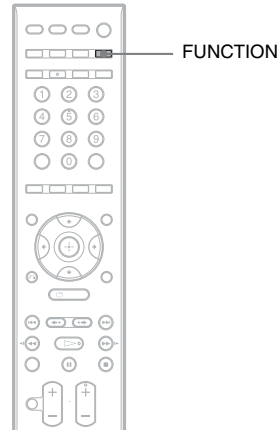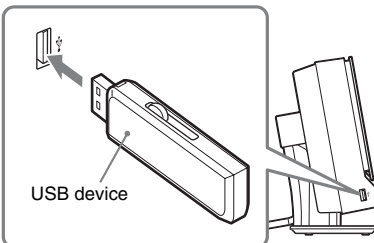* Files with copyright protection (Digital Rights Management) cannot be played by the system.

Note
• The system cannot play WMA/AAC files on a DATA CD/DATA DVD.

About playable USB devices

• Do not use USB devices other than those listed in "Playable USB Devices" (supplement). However, some USB devices listed may not work properly due to specification changes. Operation of models not listed (supplement) is not guaranteed.
• Some of these USB devices may not be available for purchase in certain areas.
• 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

Left side of the control unit

USB device

FUNCTION

1 **Press FUNCTION repeatedly until "USB" appears in the front panel display.**

2 **Connect a USB device to the ↔ (USB) port.**

When you connect the USB device, "Reading" and the animated characters appear in the front panel display until the system reads all data of the USB device.

Note
• 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.

To remove the USB device

1 **Press ■ to stop playback.**

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

3 **Confirm that the system is turned off, then remove the USB device.**

Notes on the USB device

• The system can play back up to 200 folders, including albums that do not contain audio files and JPEG image files. When more than 200 folders are in the USB device, folders that are recognized by the system differ depending on the folder configuration.

61^{GB}
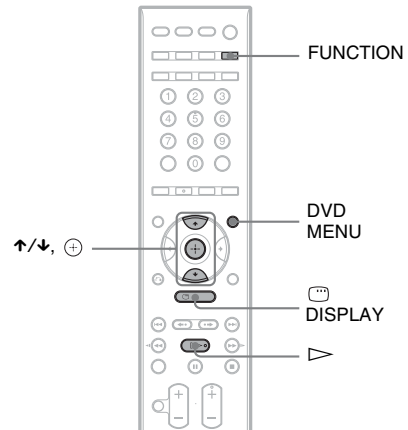
• The system can play back the following files.

| File	Extension of the file
MP3 file	".mp3"
WMA file	".wma"
AAC file	".m4a"
JPEG image file	".jpg" or ".jpeg"

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

• 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.
• Some USB devices cannot be played back on the system depending on the file format.
• The system can play back to a depth of 8 folders only.
• 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.
• Files transferred by a device such as a computer may not be played back in the order in which they were transferred.
• The playback order for the system may differ from the playback order of the connected USB device.
• Always turn off the system before removing the USB device. Removing the USB device while the system is on may corrupt the data on the USB device.
• Do not save other types of files or unnecessary folders on a USB device that has audio files or JPEG image files.
• Folders that have no audio files or JPEG image files are skipped.

• Compatibility with all MP3/WMA/AAC 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.

Selecting an audio file or folder

FUNCTION

↑/↓, ⊕

DVD MENU

⊡ DISPLAY

▷

1 **Press FUNCTION repeatedly until "USB" appears in the front panel display.**

2 **Press ⊡ DISPLAY while the system is in stop mode.**

The Control Menu display appears on the TV screen.

3 **Press ↑/↓ to select ♫↔▣ [MODE (MUSIC, IMAGE)], then press ⊕.**

The options for [MODE (MUSIC, IMAGE)] appear.

4 **Press ↑/↓ to select [MUSIC].**

5 **Press ⊕.**

6 **Press DVD MENU.**

The folders transferred on the USB device appear. When a folder is being played, its title is shaded.

```
FOLDER LIST

01  Let's Talk About Love (1985)
02  1st Album (1986)
03  In the Middle of Nowhere (1986)
04  Ready for Romance (1986)
05  In the Garden of Venus (1987)
06  Romantic Warriors (1987)
07  Back for Good (1988)
08  Alone (1999)
                                    ▼
```

7 Press ↑/↓ to select a folder.

■ To play audio files in a folder

Press ▷ to start playing the selected folder.

■ To select an audio file

Press ⊕.

The list of files contained in the folder appears.

```
TRACK LIST

🗀  03  In the Middle of Nowher...

01_Geronimo_s_Cadillac
02_Riding_On_A_White_Swan
03_Give_Me_Peace_On_Earth
04_Sweet_Little_Shella
05_Ten_Thousand_Lonely_Drums
06_Lonely_Tears_In_Chinatown
07_In_Shaire
                                    ▼
```

Press ↑/↓ to select a file and press ⊕.
The system starts playing the selected file.
You can turn the file list off by pressing
DVD MENU. Pressing DVD MENU again
will display the folder list.

Tip
• The system can recognize up to 150 audio files in a single folder.
• When listening to MP3 files or other compressed music using a portable audio source, you can enhance the sound. Select "AUTO" for "DEC. MODE" (page 50) and set the sound mode (page 52) to "MOVIE," "MUSIC," or "NEWS." To cancel, select "2CH STEREO."

To stop playback

Press ■.

To play the next or previous audio file

Press ▶▶I to play the next MP3 file. Press I◀◀
twice to play the previous MP3 file. When you
press I◀◀ once, you can go to the beginning of
the current MP3 file. Note that you can select the
next folder by continuing to press ▶▶I after the
last file on the current folder, but that you cannot
return to the previous folder by pressing I◀◀.
To return to the previous folder, select the folder
from the folder list.

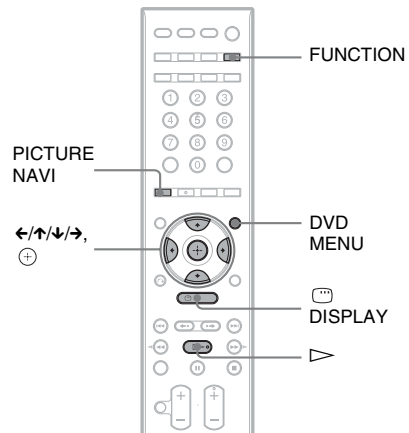## To return to the previous display

Press ♂ RETURN.

To turn off the display

Press DVD MENU.

Other operations

See "Other operations" (page 31).

Selecting a JPEG image file or folder

- FUNCTION
- PICTURE NAVI
- ←/↑/↓/→, ⊕
- DVD MENU
- DISPLAY
- ▷

1 Press FUNCTION repeatedly until "USB" appears in the front panel display.

2 Press ☐ DISPLAY while the system is in stop mode.

The Control Menu display appears on the TV screen.

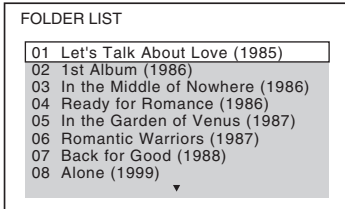**3** **Press ↑/↓ to select** [icon] **[MODE (MUSIC, IMAGE)], then press** ⊕ **.**

The options for [MODE (MUSIC, IMAGE)] appear.

4 **Press ↑/↓ to select [IMAGE].**

5 **Press** ⊕ **.**

6 **Press DVD MENU.**

The folders transferred on the USB device appear. When a folder is being played, its title is shaded.

```
FOLDER LIST

01  Let's Talk About Love (1985)
02  1st Album (1986)
03  In the Middle of Nowhere (1986)
04  Ready for Romance (1986)
05  In the Garden of Venus (1987)
06  Romantic Warriors (1987)
07  Back for Good (1988)
08  Alone (1999)
                              ▼
```

7 **Press ↑/↓ to select a folder.**

■ **To play JPEG image files in a folder as a slide show**
Press ▷ to start playing the selected folder.

The JPEG images are played as a slide show. You can change the interval of the slide show (page 64), and add effects to the slide show (page 65).

■ **To select a JPEG image file by displaying the subscreens**
Press PICTURE NAVI.
Images of JPEG image files in the folder appear in 16 subscreens.

1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16

Press ←/↑/↓/→ to select the JPEG image file you want to view, then press ⊕ .
To return to normal screen, press ⤺ RETURN.

Tip
- A scroll box is displayed at the right side of the TV screen. To display the additional JPEG image files, select the bottom JPEG image file and press ↓. To return to the previous JPEG image file, select the top JPEG image file and press ↑.
- The system can recognize up to 150 JPEG image files in a single folder.

To play the next or previous JPEG image file

Press →/← when the Control Menu display is not displayed. Note that you can select the next folder by continuing to press → after the last image on the current folder, but that you cannot return to the previous folder by pressing ←. To return to the previous folder, select the folder from the folder list.

To rotate a JPEG image file

When a JPEG image file is displayed on the TV screen, you can rotate the JPEG image file by 90 degrees.
Press ↑/↓ while viewing a JPEG image file.
Press CLEAR to return to normal view.

Note
- You cannot rotate the JPEG image file when you set [JPEG RESOLUTION] in [HDMI SETUP] to [(1920 × 1080i) HD □] or [(1920 × 1080i) HD].

To stop playback

Press ■.

Other operations

See "Other operations" (page 31).

To select the slide show duration of JPEG image files

1 **Press** [icon] **DISPLAY twice.**

The Control Menu display appears on the TV screen.

2 **Press ↑/↓ to select** [icon] **[INTERVAL], then press** ⊕ **.**

The options for [INTERVAL] appear.

3 **Press ↑/↓ to select a setting.**

- [NORMAL]: You can set to the standard duration.

- [FAST]: You can set the duration shorter than [NORMAL].
- [SLOW 1]: You can set the duration longer than [NORMAL].
- [SLOW 2]: You can set the duration longer than [SLOW 1].

4 Press ⊕.

- Some JPEG image files may take longer to display than the option you selected. Especially progressive JPEG image files or JPEG image files of 3,000,000 pixels or more.

To select an effect for JPEG image files in the slide show

1 Press ⚏ DISPLAY twice.
The Control Menu display appears on the TV screen.

2 Press ↑/↓ to select [EFFECT], then press ⊕.
The options for [EFFECT] appear.

3 Press ↑/↓ to select a setting.
- [MODE 1]: The JPEG image file sweeps in from top to bottom.
- [MODE 2]: The JPEG image file stretches out from left to right of the TV screen.
- [MODE 3]: The JPEG image file stretches out from the center of the TV screen.
- [MODE 4]: The JPEG image files randomly cycle through the effects.
- [MODE 5]: The next JPEG image file slides over the previous image.
- [OFF]: Off.

4 Press ⊕.

Note
- The [EFFECT] setting is not effective when you set [JPEG RESOLUTION] in [HDMI SETUP] to [(1920 × 1080i) HD ☐] or [(1920 × 1080i) HD] (page 78).

Displaying the list of audio files/JPEG image files

↑/↓, ⊕

⚏ DISPLAY

1 Press ⚏ DISPLAY during playback.
The Control Menu display appears on the TV screen.

2 Press ↑/↓ to select [BROWSING], then press ⊕.
The options for [BROWSING] appear.

3 Press ↑/↓ to select the desired list, then press ⊕.
- [FOLDER LIST]: The list of folders appears. Follow Step 2 of "Selecting an audio file or folder" or "Selecting a JPEG image file or folder."
- [PICTURE LIST]: Images of JPEG image files in the folder appear in 16 subscreens. Follow Step 2 of "Selecting a JPEG image file or folder."
  If there is no JPEG image file in the selected folder, [No image data] appears. In this case, select [FOLDER LIST] to display the list of folders.

Note
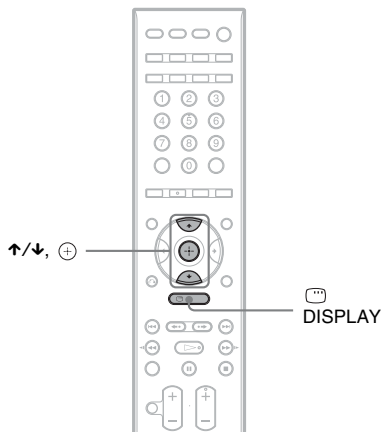- When [MODE (MUSIC, IMAGE)] is set to [MUSIC] (page 44), you cannot select [PICTURE LIST].

Playing in random order

(Shuffle Play)

You can play the audio files on the USB device in random order.

Note

• Same song may be played repeatedly when you are playing audio files.

↑/↓, ⊕

⌷ DISPLAY

1 **Press ⌷ DISPLAY during playback.**

The Control Menu display appears on the TV screen.

2 **Press ↑/↓ to select [SHUFFLE], then press ⊕.**

The options for [SHUFFLE] appear.

3 **Press ↑/↓ to select the item to be shuffled.**

• [OFF]: Off.
• [ON (MUSIC)]: You can shuffle the audio files in the folder on the USB device. When no folder is selected, the first folder will play in random order.

4 **Press ⊕.**

Shuffle Play starts.

To return to normal play

Press CLEAR, or select [OFF] in Step 3.

To turn off the Control Menu display

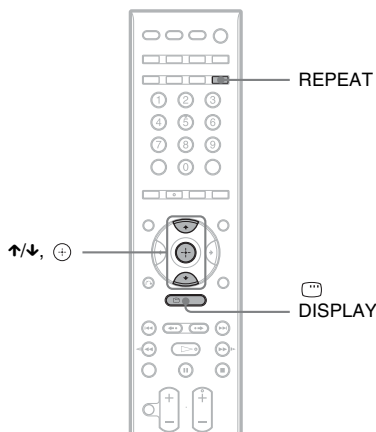Press ⌷ DISPLAY repeatedly until the Control Menu display is turned off.

Note

• When you press CLEAR to return to normal play and Repeat Play are also canceled.

Playing repeatedly

(Repeat Play)

You can play the audio files/JPEG image files on the USB device repeatedly.
You can use a combination of Shuffle Play modes.

REPEAT

↑/↓, ⊕

⌷ DISPLAY

1 **Press ⌷ DISPLAY during playback.**

The Control Menu display appears on the TV screen.

2 **Press ↑/↓ to select [REPEAT], then press ⊕.**

The options for [REPEAT] appear.

3 **Press ↑/↓ to select the item to be repeated.**

• [OFF]: Off.
• [MEMORY]: You can repeat all of the folders on the USB device.

- [FOLDER]: You can repeat the current folder.
- [TRACK] (audio files only): You can repeat the current file.

4 Press ⊕.

The item is selected.

To return to normal play

Press CLEAR, or select [OFF] in Step 3.

To turn off the Control Menu display

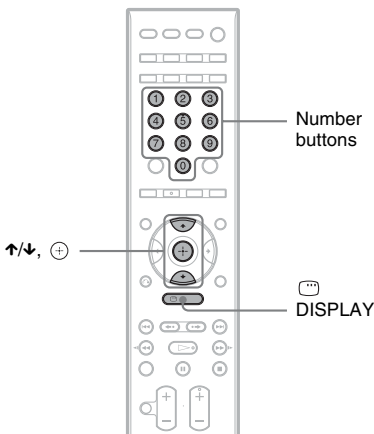Press ⊡ DISPLAY repeatedly until the Control Menu display is turned off.

Note
- When [MODE (MUSIC, IMAGE)] is set to [IMAGE] (page 63), you cannot select [TRACK].

Tip
- You can quickly display the [REPEAT] status. Press REPEAT on the remote.

Searching for an audio file/ JPEG image file/folder

You can search a USB device by audio file, JPEG image file, or folder. As audio files and JPEG image files are assigned unique numbers on the USB device, you can select the desired audio file or JPEG image file by entering its number.

Number buttons

↑/↓, ⊕

⊡ DISPLAY

1 Press ⊡ DISPLAY. (When playing a JPEG image files, press ⊡ DISPLAY twice.)

The Control Menu display appears on the TV screen.

2 Press ↑/↓ to select the search method.

- [TRACK]: Audio files.
- [FILE]: JPEG image files.
- [FOLDER]: Folders.

[** (**)] is selected (** refers to a number). The number in parentheses indicates the total number of audio files, JPEG image files, or folders.

Selected row

3 Press ⊕.

[** (**)] changes to [– – (**)].

4 Press ↑/↓ or the number buttons to select the desired number.

If you make a mistake, press CLEAR to cancel the number.

5 Press ⊕.

The system starts playback from the selected number.

67GB

Viewing the information of an audio file in the front panel display

DISPLAY

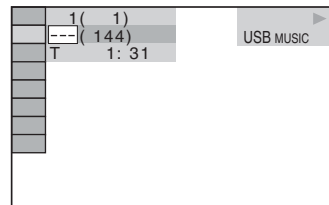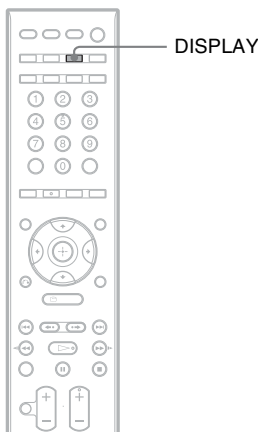**Press DISPLAY repeatedly.**

Each time you press DISPLAY while playing the USB device, the display changes:
① ←→ ②

① Playing time and current track number
② Track (file) name*

* If an MP3 file has the ID3 tag, the system will display a folder name/track (file) name from the ID3 tag information.
The system can support ID3 ver 1.0/1.1/2.2/2.3. ID3 ver 2.2/2.3 tag information display has priority when both ID3 ver 1.0/1.1 and ver 2.2/2.3 tags are used for a single MP3 file.

Note

• If a file name of the audio file cannot be displayed, "*" will appear in the front panel display instead.
• The file name may not be displayed depending on the text.
• Playing time of MP3 files may not be displayed correctly.

Viewing the information of an audio file on the TV screen

DISPLAY

You can display the information of an audio file such as time information, name of the folder/audio file, and the audio bit rate (the amount of data per second of the current audio) on the TV screen.

Press DISPLAY during playback.

The information of an audio file appears on the TV screen.

Bit rate

```
 T    0: 13  192k MP3   ►

2002_Remixes
Soul_Survivor_rap_version
```

Folder name*   File name*

* If an MP3 file has the ID3 tag, the system will display a folder name/track (file) name from the ID3 tag information.
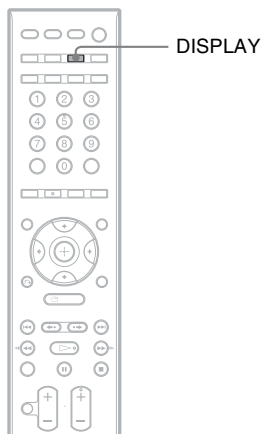The system can support ID3 ver 1.0/1.1/2.2/2.3. ID3 ver 2.2/2.3 tag information display has priority when both ID3 ver 1.0/1.1 and ver 2.2/2.3 tags are used for a single MP3 file.

• Characters/marks may not be displayed in some languages.
• Depending on the type of file being played, the system can only display a limited number of characters. Also, depending on the file, not all text characters will be displayed.

• Date information is [DD/MM/YYYY].
  DD: Day
  MM: Month
  YYYY: Year
• Date information varies depending on the area.

Checking the date information of JPEG image file

You can check the date information during playback when the Exif* tag is recorded in the JPEG image file.

DISPLAY

Press DISPLAY twice during playback.

The Control Menu display appears on the TV screen.

```
2(   2)                  USB IMAGE
6(  30)
16/9/2002
```

Date information

* "Exchangeable Image File Format" is a digital camera image format defined by the Japan Electronics and Information Technology Industries Association (JEITA).

Transferring Songs in a USB Device

You can transfer songs on an audio CD in a USB device by encoding to MP3 format. You can also transfer the MP3 files on a DATA CD/DATA DVD into the USB device.
For connecting the USB device, see "Connecting the USB device" (page 61).

The transferred music is limited to private use only. Use of the music beyond this limit requires permission of the copyright holders.

Notes on transferring into USB

- Do not connect the control unit and the USB device through a USB hub.
- Make sure there is enough space in the USB device for transferring.
- Do not remove the USB device during transfer.
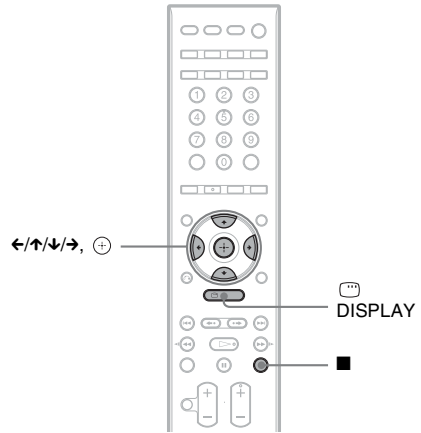- When you are transferring tracks from a CD, the tracks are transferred as 128 kbps MP3 files.
- When you are transferring MP3 files from a DATA CD/DATA DVD, the MP3 files are transferred with the same bit rate as the original MP3 files.
- CD text information is not transferred in the created MP3 files.
- If you stop a transferring partway, an MP3 file whose transfer was stopped halfway is deleted.
- Transferring stops automatically if:
  – The USB device runs out of space during transfer.
  – The number of MP3 files on the USB device reaches the limit for the number that the system can recognize.
- You can transfer up to 150 files in a folder.
- You can transfer up to 199 folders in a single USB device.
- If a folder or file that you are trying to transfer already exists on the USB device with the same name, a sequential number is added after the name without overwriting the original folder or file.
- Some USB devices cannot be played back on the system depending on the file format.

Transferring songs on an audio CD into a USB device

←/↑/↓/→, ⊕

DISPLAY

■

1 **Load an audio CD.**

2 **Press ▭ DISPLAY while the system is in stop mode.**

The Control Menu display appears on the TV screen.

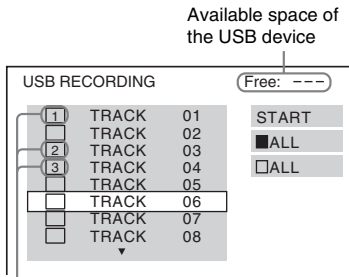**3** **Press ↑/↓ to select [USB RECORDING], then press ⊕.**

4 **Press ↑/↓ to select [TRACK], then press ⊕.**

"Reading" appears in the front panel display until the tracks recorded on the audio CD appear on the TV screen.

Note
- It takes several minutes to display the tracks depending on the number of tracks.

5 Select a track that you want to transfer.

Available space of
the USB device

USB RECORDING		Free: ---
[1] TRACK 01	START	
TRACK 02	■ALL	
[2] TRACK 03	□ALL	
[3] TRACK 04		
TRACK 05		
TRACK 06		
TRACK 07		
TRACK 08		

Tracks to be transferred.

■ **To select the desired track**

Press ↑/↓ to select the track, then press ⊕.
The tracks are marked in the order that you select.

■ **To select all tracks on the audio CD**

Press ←/↑/↓/→ to select [■ ALL], then press ⊕.

■ **To cancel the track**

Press ↑/↓ to select the track, then press ⊕.
The mark on the track is removed.

■ **To cancel all the track**

Press ←/↑/↓/→ to select [□ ALL], then press ⊕.
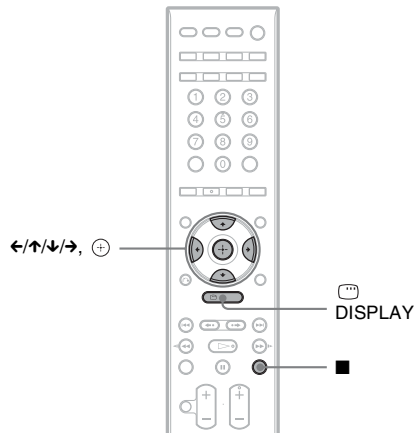
6 Press ←/↑/↓/→ to select [START], then press ⊕.

The system starts transferring and the transfer status appears.

To cancel transferring, press ■.

Tip
• The system automatically creates a new folder to transfer tracks.

Transferring MP3 files on a DATA CD/DATA DVD into a USB device

←/↑/↓/→, ⊕

⌹ DISPLAY

■

1 Load a DATA CD/DATA DVD.

2 Press ⌹ DISPLAY while the system is in stop mode.

The Control Menu display appears on the TV screen.

3 Press ↑/↓ to select ⊡ [USB RECORDING], then press ⊕.

4 Press ↑/↓ to select [TRACK] or [FOLDER], then press ⊕.

• [TRACK]: The folders recorded on the DATA CD/DATA DVD appear. You can transfer the desired MP3 file.
• [FOLDER]: The folders recorded on the DATA CD/DATA DVD appear. You can transfer all MP3 files in the folder. Go to Step 6.

"Reading" appears in the front panel display until the tracks/folders appear on the TV screen.
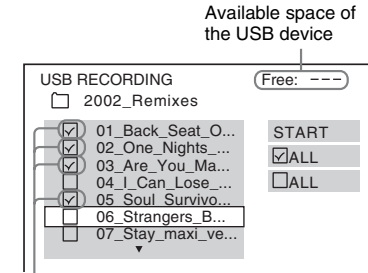
Note
• It takes several minutes to display the tracks/folders depending on the number of tracks/folders.

5 Press ↑/↓ to select the desired folder, then press ⊕.

The MP3 files in the selected folder appear.

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6 Select an MP3 file/folder that you want to transfer.

Available space of the USB device

```
USB RECORDING          (Free:  ---)
  2002_Remixes
  ☑ 01_Back_Seat_O...        START
  ☑ 02_One_Nights_...        ☑ALL
  ☑ 03_Are_You_Ma...         ☐ALL
  ☐ 04_I_Can_Lose_...
  ☑ 05_Soul_Survivo...
  ☐ 06_Strangers_B...
  ☐ 07_Stay_maxi_ve...
           ▼
```

MP3 files/folders to be transferred.

■ To select the desired MP3 file/folder

Press ↑/↓ to select the MP3 file/folder, then press ⊕.

The MP3 files/folders are marked.

■ To select all MP3 files/folders

Press ←/↑/↓/→ to select [☑ ALL], then press ⊕.

■ To cancel the MP3 file/folder

Press ↑/↓ to select the MP3 file/folder, then press ⊕. The mark on the MP3 file/folder is removed.

■ To cancel all MP3 files/folder

Press ←/↑/↓/→ to select [☐ ALL], then press ⊕.

7 Press ←/↑/↓/→ to select [START], then press ⊕.

The system starts transferring and the transfer status appears.

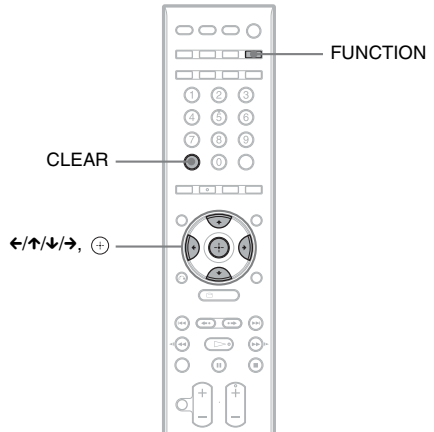To cancel the transfer, press ■.

To return to the previous display

Press ♂• RETURN.

Note
• Only MP3 files can be transferred from a DATA CD/ DATA DVD.

Erasing audio files on a USB device

You can erase audio files on the USB device.

FUNCTION

CLEAR

←/↑/↓/→, ⊕

1 Press FUNCTION repeatedly until "USB" appears in the front panel display.

2 Press ↑/↓ to select a folder.

■ To erase all audio files in a folder
Press CLEAR.

■ To erase an audio file
Press ⊕.

The list of files contained in the folder appears.

Press ↑/↓ to select the desired audio file, then press CLEAR.

3 Press ←/→ to select [YES], then press ⊕.

To cancel, select [NO], then press ⊕.

Note
• Do not remove the USB device while erasing.
• If the folder to be erased contains non-audio format files or sub folders, these are erased from the list on the TV screen, but are not erased from the USB device.

To return to the previous display

Press ♂• RETURN.

Using the DIGITAL MEDIA PORT Adapter

The DIGITAL MEDIA PORT (DMPORT) adapter (not supplied) is for enjoying sound from a portable audio source or computer. By connecting a DIGITAL MEDIA PORT adapter, you can enjoy sound from the connected component on the system.
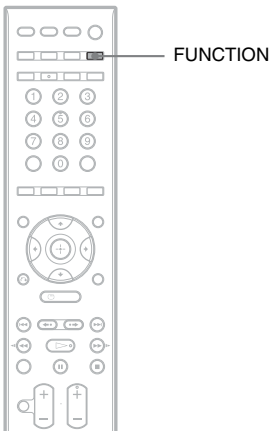Available DIGITAL MEDIA PORT adapters vary in each area.
For details on connecting the DIGITAL MEDIA PORT adapter, see "To connect the DIGITAL MEDIA PORT adapter" (page 21).

Note
- Do not connect an adapter other than the DIGITAL MEDIA PORT adapter.
- Do not connect or disconnect the DIGITAL MEDIA PORT adapter to/from the control unit while the system is turned on.
- Depending on the type of DIGITAL MEDIA PORT adapter, the images are also output. In this case, the system outputs the composite video signal only, regardless of the type of video signal.

Playing the connected component on the system

FUNCTION

1 **Press FUNCTION repeatedly until "DMPORT" appears in the front panel display.**

2 **Start playback of the connected component.**

The sound and images from the connected component are played on the system or connected TV.
For operation details, refer to the operating instructions of the DIGITAL MEDIA PORT adapter.

Tip
- When listening to MP3 files or other compressed music using a portable audio source, you can enhance the sound. Select "AUTO" for "DEC. MODE" (page 50) and set the sound mode (page 52) to "MOVIE," "MUSIC," or "NEWS." To cancel, select "2CH STEREO."
- Depending on the type of DIGITAL MEDIA PORT adapter, you may be able to operate a connected component using either the buttons on the remote or the control unit. The following illustration shows an example of buttons that can be used in this case.

|◄◄/►►|
▷
II
■

Using the Setup Display

You can make various adjustments of items such as picture and sound.
Displayed items vary depending on the country model.

Note
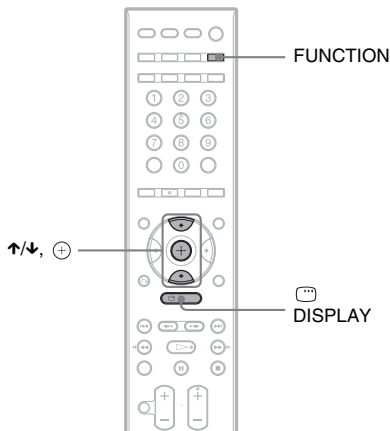• Playback settings stored in the disc take priority over the Setup Display settings and not all the functions described may work.
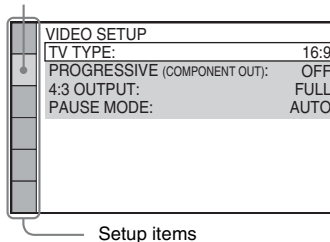

FUNCTION

↑/↓, ⊕

DISPLAY

1 **Press FUNCTION repeatedly until "DVD" appears in the front panel display.**

2 **Press ☐ DISPLAY while the system is in stop mode.**

The Control Menu display appears on the TV screen.

3 **Press ↑/↓ to select ☐ [SETUP], then press ⊕.**

The options for [SETUP] appear.

4 **Press ↑/↓ to select [CUSTOM], then press ⊕.**

The Setup Display appears.

5 **Press ↑/↓ to select the setup item, then press ⊕.**
• [LANGUAGE SETUP] (page 75)
• [VIDEO SETUP] (page 75)

• [HDMI SETUP] (page 77)
• [AUDIO SETUP] (page 78)
• [SYSTEM SETUP] (page 78)
• [SPEAKER SETUP] (page 79)

Example: [VIDEO SETUP]

Selected item

Setup items

6 **Press ↑/↓ to select an item, then press ⊕.**

The options for the selected item appear.
Example: [TV TYPE]

Options

7 **Press ↑/↓ to select a setting, then press ⊕.**

The setting is selected and setup is complete.

Selected setting

Note
• When you turn the system on after resetting and no disc is in the control unit, the guide message appears on the TV screen. To perform the Quick Setup (page 26), press ⊕. To return to normal screen, press CLEAR.

To reset all of the [SETUP] settings

To reset all of the [SETUP] settings, see "Returning the [SETUP] settings to the default" (page 89).

Setting the display or sound track language

[LANGUAGE SETUP]

Set various languages for the on-screen display or sound track.

```
LANGUAGE SETUP
OSD:                    ENGLISH
MENU:                   ENGLISH
AUDIO:                  ORIGINAL
SUBTITLE:         AUDIO FOLLOW
```

■ [OSD] (On-Screen Display)
You can switch the display language on the TV screen.

■ [MENU] (DVD VIDEO only)
You can switch the language for the disc's menu.

■ [AUDIO] (DVD VIDEO only)
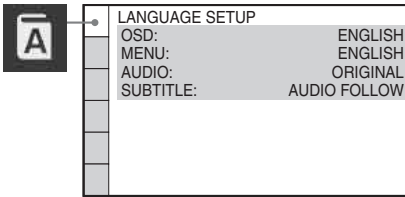You can switch the language of the sound track. When you select [ORIGINAL], the language given priority in the disc is selected.

■ [SUBTITLE] (DVD VIDEO only)
You can switch the language of the subtitle recorded on the DVD VIDEO.
When you select [AUDIO FOLLOW], the language for the subtitles changes according to the language you selected for the sound track.

Note
• When you select a language in [MENU], [AUDIO], or [SUBTITLE] that is not recorded on the DVD VIDEO, one of the recorded languages will be automatically selected (depending on the disc, the language may not be selected automatically).

Tip
• If you select [OTHERS →] in [MENU], [AUDIO], and [SUBTITLE], select and enter a language code from "Language Code List" (page 104) using the number buttons.

Settings for the display

[VIDEO SETUP]

Select settings according to the TV to be connected.

```
VIDEO SETUP
TV TYPE:                                    16:9
PROGRESSIVE (COMPONENT OUT):                 OFF
4:3 OUTPUT:                                 FULL
PAUSE MODE:                                 AUTO
```

■ [TV TYPE]
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.

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■ [PROGRESSIVE (COMPONENT OUT)]

You can set the progressive signal that is output from the VIDEO OUT (COMPONENT) jacks to on/off. For details, see "Does your TV accept progressive signals?" (page 27).

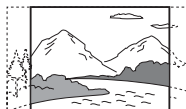[OFF]: The system outputs interlace signals.
[ON]: The system outputs progressive signals.
When you select [ON], follow the Steps below.

1 Select [ON], then press ⊕.

The confirmation display appears.

2 Press ←/→ to select [START], then press ⊕.

The system outputs the progressive signal for 5 seconds. Check that the screen is displayed correctly.

3 Press ←/→ to select [YES], then press ⊕.

The system outputs the progressive signal. If you select [NO], the system will not output the progressive signal.
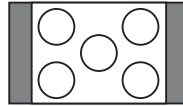
Note
• [PROGRESSIVE (COMPONENT OUT)] is effective only when you connect the control unit and TV with a component video cord (page 19).

■ [4:3 OUTPUT]

When you use a 16:9 aspect ratio TV, you can adjust the aspect ratio to watch 4:3 aspect ratio signals. If you can change the aspect ratio on your TV, change the setting on your TV, not the system.

[FULL]: Select this when you can change the aspect ratio on your TV.
[NORMAL]: Select this when you cannot change the aspect ratio on your TV. A 16:9 aspect ratio signal with black bands on left and right sides of the image appears.

16:9 aspect ratio TV

Note
• [4:3 OUTPUT] is effective only when you set [TV TYPE] in [VIDEO SETUP] to [16:9].

■ [COLOR SYSTEM (VIDEO CD)]

(Southeast Asian models only)

You can select the color system when you play a VIDEO CD.

[AUTO]: The system outputs the video signal in the system of the disc, either PAL or NTSC. If your TV uses a DUAL system, select [AUTO].
[PAL]: The system changes the video signal of an NTSC disc and outputs it in the PAL system.
[NTSC]: The system changes the video signal of a PAL disc and outputs it in the NTSC system.

Note
• You cannot change the color system of the disc itself.
• You can change the color system of this system according to the connected TV (page 20).

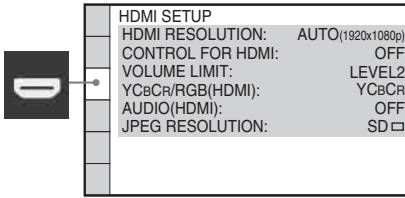## ■ [PAUSE MODE] (DVD VIDEO/DVD-R/ DVD-RW only)

You can select the picture in pause mode.

[AUTO]: The picture, including subjects that move dynamically, is output with no jitter. Normally select this position.
[FRAME]: The picture, including subjects that do not move dynamically, is output in high resolution.

Settings for the HDMI

[HDMI SETUP]

```
HDMI SETUP
HDMI RESOLUTION:        AUTO(1920x1080p)
CONTROL FOR HDMI:       OFF
VOLUME LIMIT:           LEVEL2
YCBCR/RGB(HDMI):        YCBCR
AUDIO(HDMI):            OFF
JPEG RESOLUTION:        SD □
```

■ [HDMI RESOLUTION]

You can select the type of video signal that is output from the HDMI OUT jack. For details, see "To select the type of video signal output from the HDMI OUT jack" (page 27).

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

* i: interlace, p: progressive

■ [CONTROL FOR HDMI]

You can set the [CONTROL FOR HDMI] function to on/off. This function is available when you connect the system and TV with an HDMI cable. For details, see "Using the Control for HDMI Function for "BRAVIA" Sync" (page 58).

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

Note
• When you set to [ON] without the HDMI connection of the TV, [Please verify the HDMI connection.] appears and you cannot set to [ON].

■ [VOLUME LIMIT]

If you change the output method of the TV to the system speaker on the TV menu or by pressing THEATER/THEATRE, the System Audio Control (page 60) is activated and loud sound may be output depending on the volume level of the system. You can prevent this by limiting the maximum level of the volume.

[LEVEL3]: Maximum volume level is set to 15.
[LEVEL2]: Maximum volume level is set to 20.
[LEVEL1]: Maximum volume level is set to 30.
[OFF]: Off.

Note
• This function is available only when [CONTROL FOR HDMI] is set to [ON].

■ [YCBCR/RGB (HDMI)]

You can select the type of HDMI signal output from HDMI OUT jack.

[YCBCR]: The system outputs YCBCR signals.
[RGB]: The system outputs RGB signals.

Note
• If the playback picture becomes distorted, set [YCBCR] to [RGB].
• If the HDMI OUT jack is connected to a component with a DVI jack, [RGB] signals will be automatically output even when you select [YCBCR].

■ [AUDIO (HDMI)]

You can select the audio output status from the HDMI OUT jack.

[OFF]: The system does not output the sound from the HDMI OUT jack.
[ON]: The system outputs audio signals by converting Dolby Digital, DTS, or 96 kHz/24 bit PCM signals to 48 kHz/16 bit PCM.

Note
• When you connect the control unit and TV with an HDMI cable and [ON] is selected, [AUDIO DRC], "A/V SYNC", TONE, "DEC. MODE," and sound mode are not applied to the sound that is output from the TV.
• When you set the function to other than "DVD," the system does not output the sound from the HDMI OUT jack even if you set [AUDIO (HDMI)] to [ON].

Other Operation

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■ [JPEG RESOLUTION]

You can select the resolution of JPEG image files output from the HDMI OUT jack.

[SD ☐]: The system outputs standard resolution with a black frame.
[HD ☐]: The system outputs HD resolution with a black frame.
[HD]: The system outputs the HD resolution without a black frame.
[(1920 × 1080i) HD ☐]: The system outputs full size HD resolution with a black frame.
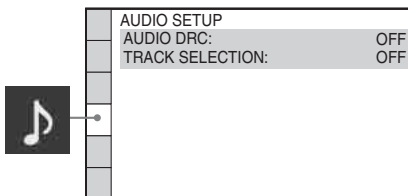[(1920 × 1080i) HD]: The system outputs full size HD resolution without a black frame.

Note
• [JPEG RESOLUTION] is effective only when you set [TV TYPE] in [VIDEO SETUP] to [16:9], and you set [HDMI RESOLUTION] in [HDMI SETUP] to other than [720 × 480/576p].
• You can select [(1920 × 1080i) HD ☐] or [(1920 × 1080i) HD] only when you set [HDMI RESOLUTION] in [HDMI SETUP] to [1920 × 1080i].
• If you select [(1920 × 1080i) HD ☐] or [(1920 × 1080i) HD], the next image appears after the black screen.
• HDMI signal will stop momentarily when:
  – The system is loading or unloading a DATA CD or DATA DVD disc.
  – You connect or remove a USB device.

Settings for the audio

[AUDIO SETUP]

AUDIO SETUP	
AUDIO DRC:	OFF
TRACK SELECTION:	OFF

■ [AUDIO DRC] (DVD VIDEO only)

You can compress the dynamic range of the sound track. [AUDIO DRC] is useful for watching movies at low volume late at night.

[OFF]: No compression of dynamic range.
[STANDARD]: The system reproduces the sound track with the kind of dynamic range that the recording engineer intended.
[MAX]: The system compresses dynamic range fully.

Note
• [AUDIO DRC] works only for Dolby Digital.

■ [TRACK SELECTION] (DVD VIDEO only)

You can give the sound track which contains the highest number of channels priority when you play a DVD VIDEO on which multiple audio formats (PCM, DTS, Dolby Digital, or MPEG audio) are recorded.
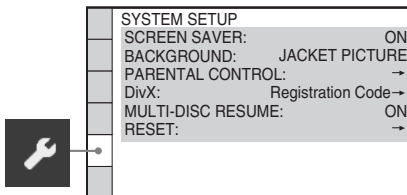
[OFF]: Off.
[AUTO]: The system selects the sound track automatically according to the priority.

Note
• When you set the item to [AUTO], the language may change. The [TRACK SELECTION] setting has higher priority than the [AUDIO] settings in [LANGUAGE SETUP] (page 75). (Depending on the disc, this function may not work.)
• If PCM, DTS, Dolby Digital sound, and MPEG audio have the same number of channels, the system selects PCM, DTS, Dolby Digital sound, and MPEG audio in this order.

Other Settings

[SYSTEM SETUP]

SYSTEM SETUP	
SCREEN SAVER:	ON
BACKGROUND:	JACKET PICTURE
PARENTAL CONTROL:	→
DivX:	Registration Code→
MULTI-DISC RESUME:	ON
RESET:	→

■ [SCREEN SAVER]

You can reduce the display device damages (ghosting). Press any button (e.g., ▷ button) to cancel the screen saver.

[ON]: The screen saver image appears if you do not operate the system for about 15 minutes.
[OFF]: Off.

■ [BACKGROUND]
You can select the background color or picture on the TV screen.

[JACKET PICTURE]: The jacket picture (still picture) appears, but only when the jacket picture is already recorded on the disc (CD-EXTRA, etc.). If the disc does not contain a jacket picture, the [GRAPHICS] picture appears.
[GRAPHICS]: A preset picture stored in the system appears.
[BLUE]: The background is blue.
[BLACK]: The background is black.

■ [PARENTAL CONTROL]
You can set the playback restrictions. For details, see "Restricting Playback of the Disc" (page 47).

■ [DivX]
You can display the registration code for this system.
For more information, go to
http://www.divx.com on the Internet.

■ [MULTI-DISC RESUME] (DVD VIDEO/ VIDEO CD only)
You can set the [MULTI-DISC RESUME] function to on/off.

[ON]: The system stores the resume points in memory for up to 10 discs.
[OFF]: The system does not store the resume points in memory. Playback restarts at the resume point only for the current disc in the control unit.
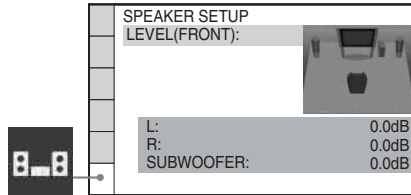
■ [RESET]
You can return the [SETUP] settings other than [PARENTAL CONTROL] to the default settings. For details, see "Returning the [SETUP] settings to the default" (page 89).

Settings for the speakers

[SPEAKER SETUP]

To obtain the best possible sound, you can change the level of the speakers.

■ [LEVEL (FRONT)]
You can adjust the sound level of the front speakers and subwoofer. You can set the parameters from –6.0 dB to +6.0 dB.

[L] 0.0 dB: Set the front speaker (L) level.
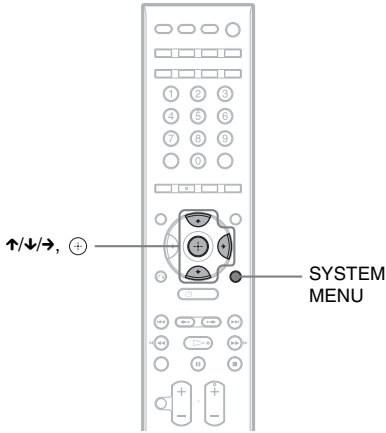[R] 0.0 dB: Set the front speaker (R) level.
[SUBWOOFER] 0.0 dB: Set the subwoofer level.

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Adjusting the Delay Between the Picture and Sound

(A/V SYNC)

`DVD-V` `DVD-VR` `VIDEO CD` `DATA-CD` `DATA DVD`

When the sound does not match the pictures on the TV screen, you can adjust the delay between the picture and sound.

1 **Press SYSTEM MENU.**

2 **Press ↑/↓ repeatedly until "A/V SYNC" appears in the front panel display, then press ⊕ or →.**

3 **Press ↑/↓ to select a setting.**
- "LONG": adjusts the difference between picture and sound by 130 msec.
- "SHORT": adjusts the difference between picture and sound by 70 msec.
- "OFF": does not adjust.

4 **Press ⊕.**

The setting is made.

5 **Press SYSTEM MENU.**
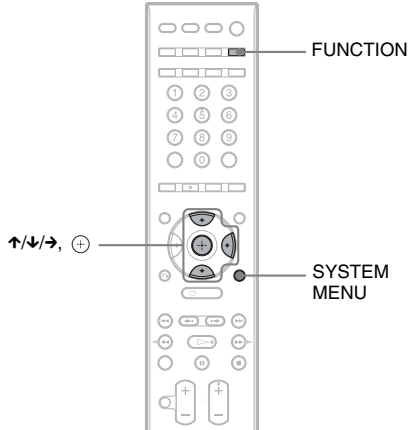
The system menu turns off.

Note
- Depending on the input stream, "A/V SYNC" may not be effective.

Changing the Input Level of the Sound

Distortion may occur when you listen to a component connected to the TV (AUDIO IN) jack on the control unit. Distortion is not a malfunction and will depend on the component connected.
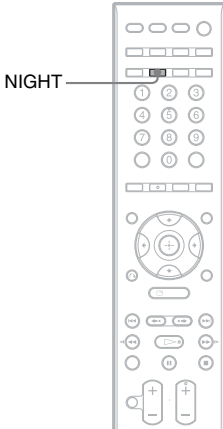To prevent distortion, reduce the input level on the control unit.

1 **Press FUNCTION repeatedly until "TV" appears in the front panel display.**

2 **Press SYSTEM MENU.**

3 **Press ↑/↓ repeatedly until "ATTENUATE" appears in the front panel display, then press ⊕ or →.**

4 **Press ↑/↓ to select a setting.**
- "ATT ON": You can attenuate the input level. The output level is changed.
- "ATT OFF": Normal input level.

5 **Press ⊕.**

The setting is made.

6 **Press SYSTEM MENU.**

The system menu turns off.

Enjoying the Sound at Low Volume

You can enjoy sound effects or dialogue, as you would in a movie theater, even at low volume. It is useful for watching movies at night.
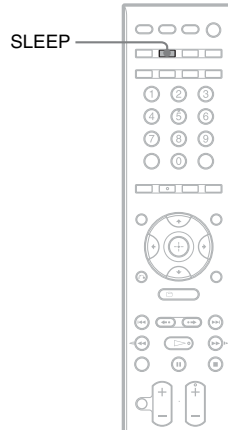
NIGHT

Press NIGHT.

"NIGHT ON" appears in the front panel display and the sound effect is activated.

To turn off the sound effect

Press NIGHT again.

Using the Sleep Timer

You can set the system to turn off at a preset time, so you can fall asleep listening to music. You can preset the time in 10 minutes decrements.

SLEEP

Press SLEEP.

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

SLEEP OFF → SLEEP 90M → SLEEP 80M

SLEEP 10M ..... SLEEP 60M ← SLEEP 70M

When you set the sleep timer, "SLEEP" lights up in the front panel display.

To check the remaining time

Press SLEEP once.

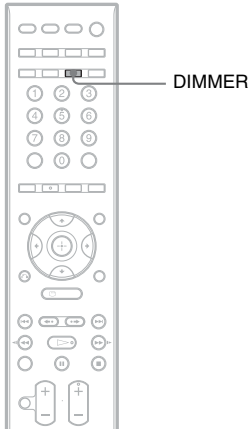## To change the remaining time

Press SLEEP repeatedly to select the desired time.

To cancel the sleep timer function

Press SLEEP repeatedly until "SLEEP OFF" appears in the front panel display.

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Changing the Brightness of the Front Panel Display and Illumination

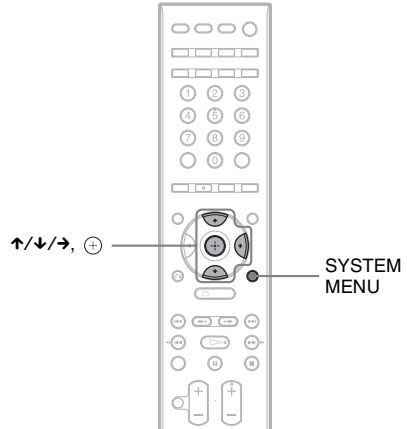The brightness of the front panel display and illumination can be set to either of 2 levels.

DIMMER

Press DIMMER until the desired mode appears in the front panel display.

- "DIMMER OFF": Bright.
- "DIMMER ON": Dark.

Changing the Display Mode

(INFORMATION MODE)

You can change the displayed information in the front panel display.

↑/↓/→, ⊕

SYSTEM MENU

1 **Press SYSTEM MENU.**

2 **Press ↑/↓ repeatedly until "INFO MODE" appears in the front panel display, then press ⊕ or →.**

3 **Press ↑/↓ to select a setting.**

- "STANDARD": displays information fully such as the kind of disc, track number, repeat mode information, radio frequency, etc., for the selected function. For details of the displayed information, see "Front panel display" (page 107).
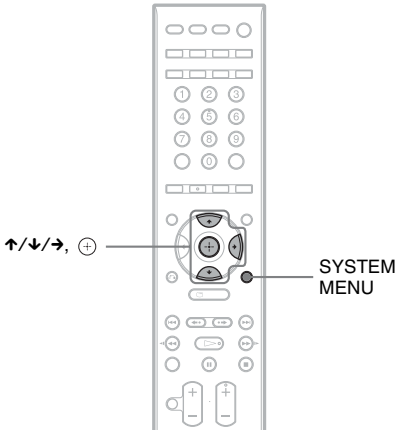- "SIMPLE": displays the selected function name only.

4 **Press ⊕.**

The setting is made.

5 **Press SYSTEM MENU.**

The system menu turns off.

Illuminating the Front Panel Buttons

(ILLUMINATION MODE)

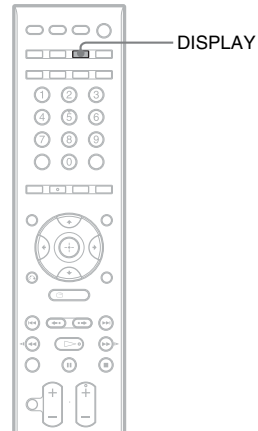You can set the type of illumination for the front panel.

↑/↓/→, ⊕

SYSTEM MENU

1 **Press SYSTEM MENU.**

2 **Press ↑/↓ repeatedly until "ILLUM MODE" appears in the front panel display, then press ⊕ or →.**

3 **Press ↑/↓ to select a setting.**
- "ON": turns on the illumination at all times.
- "OFF": turns on the illumination for 10 seconds when you press a button (except the I/⏻ button) on the front panel.

4 **Press ⊕.**

The setting is made.

5 **Press SYSTEM MENU.**

The system menu turns off.

Viewing Information About the Disc

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

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

DISPLAY

Press DISPLAY repeatedly.

Each time you press DISPLAY while playing the disc, the display changes:

① → ② → ... → ① → ...

Some displayed items may disappear after a few seconds.

■ DVD VIDEO/DVD-VR
① Playing time of the current title
② Remaining time of the current title
③ Playing time of the current chapter
④ Remaining time of the current chapter
⑤ Disc name
⑥ Title and chapter

■ VIDEO CD (without PBC functions)/CD
① Playing time of the current track
② Remaining time of the current track
③ Playing time of the disc
④ Remaining time of the disc
⑤ Track name

Other Operation

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⑥ Track and index*

* VIDEO CD only.

■ Super VCD
① Playing time of the current track
② Track text
③ Track and index number

■ DATA CD (MP3 file)/DATA DVD (MP3 file)
① Playing time and current track number
② Track (file) name*

* If an MP3 file has the ID3 tag, the system will display a folder name/track (file) name from the ID3 tag information.
  The system can support ID3 ver 1.0/1.1/2.2/2.3. ID3 ver 2.2/2.3 tag information display has priority when both ID3 ver 1.0/1.1 and ver 2.2/2.3 tags are used for a single MP3 file.

■ DATA CD (DivX video file)/DATA DVD (DivX video file)
① Playing time of the current file
② Current file name
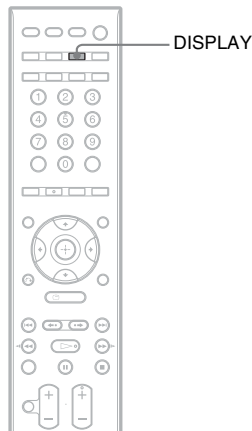③ Current album and file number

Note
• The system can only display the first level of the DVD/CD text, such as the disc name or title.
• If a file name of the MP3 file cannot be displayed, "*" will appear in the front panel display instead.
• The disc name or track name may not be displayed depending on the text.
• Playing time of MP3 files and DivX video files may not be displayed correctly.
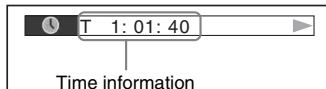
Tip
• When the system is playing a VIDEO CD with PBC functions, the playing time is displayed.

Viewing the playing time and remaining time on the TV screen

DISPLAY

1 Press DISPLAY during playback.

The following display appears on the TV screen.

```
🕐  T  1: 01: 40              ▶
```

Time information

2 Press DISPLAY repeatedly to change the time information.

The display and the kinds of time that you can check depend on the disc you are playing.

■ DVD VIDEO/DVD-VR
• T **:**:**
  Playing time of the current title
• T-**:**:**
  Remaining time of the current title
• C **:**:**
  Playing time of the current chapter
• C-**:**:**
  Remaining time of the current chapter

■ VIDEO CD (with PBC functions)
• **:**
  Playing time of the current scene

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■ VIDEO CD (without PBC functions)/CD

- T **:**

  Playing time of the current track
- T-**:**

  Remaining time of the current track
- D **:**

  Playing time of the current disc
- D-**:**

  Remaining time of the current disc

■ DATA CD (MP3 file)/DATA DVD (MP3 file)

- T **:**

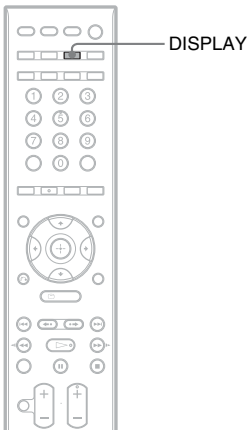 Playing time of the current track

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

- **:**:**

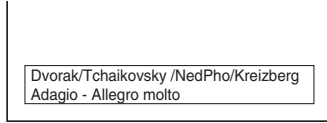 Playing time of the current file

Note

- Characters/marks may not be displayed in some languages.
- Depending on the type of disc being played, the system can only display a limited number of characters. Also, depending on the disc, not all text characters will be displayed.

Checking the play information of the disc
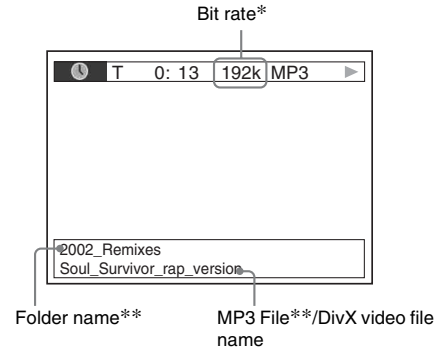

DISPLAY

To check DVD/CD text

Press DISPLAY repeatedly during playback to display text recorded in the DVD/CD.
The DVD/CD text appears only when text is recorded in the disc. You cannot change the text. If the disc does not contain text, "NO TEXT" appears.

> Dvorak/Tchaikovsky /NedPho/Kreizberg
> Adagio - Allegro molto

To check DATA CD/DATA DVD (MP3 file/DivX video file) text

By pressing DISPLAY while playing MP3 files or DivX video files on a DATA CD/DATA DVD, you can display the name of the folder/ MP3 file/DivX video file, and the audio bit rate (the amount of data per second of the current audio) on the TV screen.

Bit rate*

Folder name**   MP3 File**/DivX video file
                       name

*   Appears when:
  – playing an MP3 file on a DATA CD/DATA DVD.
  – playing a DivX video file that contains MP3 audio
    signals on a DATA CD/DATA DVD.
**If an MP3 file has the ID3 tag, the system will
  display a folder name/track (file) name from the ID3
  tag information.
  The system can support ID3 ver 1.0/1.1/2.2/2.3.
  ID3 ver 2.2/2.3 tag information display has priority
  when both ID3 ver 1.0/1.1 and ver 2.2/2.3 tags are
  used for a single MP3 file.

Other Operation

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Checking the date information of JPEG image file

You can check the date information during playback when the Exif* tag is recorded in the JPEG image file.

☐ DISPLAY

Press ☐ DISPLAY twice during playback.

The Control Menu display appears on the TV screen.
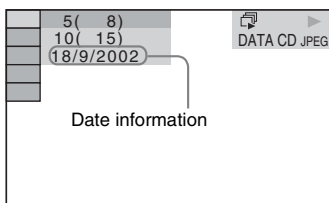


```
   5(   8)
  10(  15)           DATA CD JPEG
 (18/9/2002)
```

Date information

* "Exchangeable Image File Format" is a digital camera image format defined by the Japan Electronics and Information Technology Industries Association (JEITA).

Tip
• Date information is [DD/MM/YYYY].
  DD: Day
  MM: Month
  YYYY: Year
• Date information varies depending on the area.

Controlling the TV with the Supplied Remote

By adjusting the remote signal, you can control your TV with the supplied remote.

Note
• When you replace the batteries of the remote, the code number may reset itself to the default (SONY) setting. Reset the appropriate code number.

Preparing the remote for controlling the TV

TV I/⏻

Press and hold TV I/⏻ while entering your TV's manufacturer's code (see the table) using the number buttons. Then release TV I/⏻.

If you successfully set the manufacturer's code, the TV button flashes twice slowly. If the setting is unsuccessful, the TV button flashes five times quickly.

Code numbers of controllable TVs

If more than one code number is listed, try entering them one at a time until you find the code that works with your TV.

TV

Manufacturer	Code number
SONY	501 (default)
AIWA	501
AKAI	503
DAEWOO	503, 506, 515, 544
FISHER	508, 545
GE	503, 509, 510, 544
GOLDSTAR/LG	503, 515, 517, 544, 568
GRUNDIG	533
HITACHI	503, 514, 515, 517, 544, 557, 571
ITT	521, 522
JVC	516
LOEWE	515
MAGNAVOX	503, 515, 517, 518, 544, 566
MARANTZ	527
MITSUBISHI/MGA	503, 527, 544, 566, 568
NEC	503, 517, 544, 566
NOKIA	521, 522
PANASONIC	509, 553, 572
PHILIPS	515, 518, 557, 570, 571
PIONEER	509, 525, 551
RCA/PROSCAN	503, 510, 544
SABA	530, 537, 547, 549, 558
SAMPO	566
SAMSUNG	503, 515, 517, 544, 557, 566, 569, 574
SANYO	508, 545, 567
SHARP	517, 535, 565
TELEFUNKEN	530, 537, 547, 549, 558
THOMSON	530, 537, 547, 549
TOSHIBA	535, 541, 551
ZENITH	543, 567

CATV

Manufacturer	Code number
SONY	821
HAMLIN/REGAL	836, 837, 838, 839, 840
JERROLD/GI/MOTOROLA	806, 807, 808, 809, 810, 811, 812, 813, 814
JERROLD	830, 831
OAK	841, 842, 843
PANASONIC	816, 826, 832, 833, 834, 835
PIONEER	828, 829
SCIENTIFIC ATLANTA	815, 816, 817, 844
TOCOM/PHILIPS	830, 831
ZENITH	826, 827

Controlling the TV with the remote

You can control the TV using the following buttons. To use these buttons (other than THEATER/THEATRE and TV I/(¹)), set the remote to the TV mode by pressing TV so that TV lights up for 1 second.
To exit the TV mode, press TV so that the TV flashes four times.
Some buttons may not be supported depending on the area.

Note

- During the TV mode, if you press any of the following buttons, TV lights up. (Depending on the manufacturer setting, some buttons may not work, and TV does not light up.)
- When you press other than the following buttons during the remote is in the TV mode, TV flashes four times and the remote exits the TV mode automatically.
- Depending on the TV, you may not be able to control your TV or to use some of the buttons.

By pressing	You can
TV I/(¹)	Turn the TV on/off.
THEATER/THEATRE	Enjoy optimal image suited for movies.
TV VOL +/–	Adjust the TV volume.
PROG +/– (▣)/(▣)	Select the TV channel. After pressing (▣), you can select the next (▣) or previous (▣) text page.

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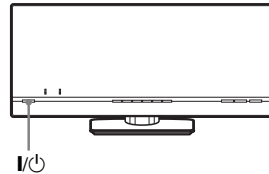| By pressing	You can
Number buttons, -/--	Select the TV channel.
	After pressing ⊜, you can select the text page by entering the three digit page number.
ANALOG	Switch to analogue mode.
DIGITAL	Switch to digital mode.
⊞ / ⟨?⟩	Display the information.
⊜	Access Text.
Colored buttons	Select the options on the menu.
⊞	Display the Digital Electronic Programme Guide (EPG).
⟝⟞/⟨⟞⟩	Switch the TV's input source between the TV and other input sources in TV mode.
	After pressing ⊜, you can hold the current text page.
TOOLS/ OPTIONS	Display the operation menu for the current display.
MENU/HOME	Display the menu of the TV.
RETURN	Return to the previous channel or layer on the menu of the TV.
MUTING	Turn off the TV sound temporarily.
←/↑/↓/→, ⊕	Select the item on the menu.

Tip

• The function of these buttons are same as the remote buttons of the SONY TV. For details, refer to the operating instructions of the TV.

Returning to the Default Settings

Returning the system parameters, such as preset stations, to the default settings

I/⟨¹⟩

1 Turn off the power.

2 Press and hold I/⟨¹⟩ on the control unit about 5 seconds.

"MEMORY CLR" and "PUSH POWER" appear alternately in the front panel display about 10 seconds.

3 Press I/⟨¹⟩.

"CLEARING" appears in the front panel display and the default settings are returned. After "CLEARED!" appears, the system is turned off.

Note

• In Step 3, if you do not press I/⟨¹⟩ or press any buttons other than I/⟨¹⟩ on the control unit, the system turns on. The setting is not made.

• When you turn on the system after returning to the default settings, wait about 20 seconds before turning on the power by pressing I/⟨¹⟩.

Returning the [SETUP] settings to the default

You can return the [SETUP] settings (page 74) other than [PARENTAL CONTROL] to the default settings.

FUNCTION

←/↑/↓/→, ⊕

🗔 DISPLAY

1 **Press FUNCTION repeatedly until "DVD" appears in the front panel display.**

2 **Press 🗔 DISPLAY while the system is in stop mode.**

The Control Menu display appears on the TV screen.

3 **Press ↑/↓ to select [SETUP], then press ⊕.**

The options for [SETUP] appear.

4 **Press ↑/↓ to select [CUSTOM], then press ⊕.**

The Setup Display appears.

5 **Press ↑/↓ to select [SYSTEM SETUP], then press ⊕.**

The options for [SYSTEM SETUP] appear.

6 **Press ↑/↓ to [RESET] and press →.**

7 **Press ←/→ to select [YES].**

You can also quit the process and return to the Control Menu display by selecting [NO] here.

8 **Press ⊕.**

Do not press I/⏻ while resetting the system as it takes a few seconds to complete.

Note

• The [MODE (MUSIC, IMAGE)], [INTERVAL], and [EFFECT] settings also return to the default settings.

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 subwoofer. The subwoofer is equipped with a high power amplifier. If the ventilation slots are blocked, the subwoofer can overheat and malfunction.
- Do not place the subwoofer 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 subwoofer in an inclined position. It is designed to be operated in a horizontal position only.
- Keep the control unit and discs away from components with strong magnets, such as microwave ovens, or large loudspeakers.
- Do not place heavy objects on the control unit and the subwoofer.

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 subwoofer 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.
	• Check that the system cable is connected securely.
If "PROTECTOR" and "PUSH POWER" appear alternately in the front panel display.	Press I/(¹) to turn off the system, and check the following items after "STANDBY" disappears.
	• Are the + and – speaker cords short-circuited?
	• Are you using only the specified speakers?
	• Is anything blocking the ventilation holes of the system?
	• After checking the above items and fixing any problems, turn on the system. If the cause of the problem cannot be found even after checking all the above items, consult your nearest Sony dealer.
The power cannot be turned off.	• The demonstration mode ("DEMO") is set to "ON." Set "DEMO" to "OFF" (page 25).

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 19).
	• The video input on the TV is not set so that you can view pictures from the system.
	• Check the output method on your system (page 19).
	• 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) (page 27).
	• 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) (page 27).
	• 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 ("HDMI" on the front panel display does not light up) (page 19).
	• 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 (page 27). 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 (COMPONENT OUT)] in [VIDEO SETUP] to [ON] (page 76) even though your TV cannot accept the progressive signal. In this case, set to [OFF].

Symptom	Remedy
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 affect 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 19).
Even though you set the aspect ratio in [TV TYPE] of [VIDEO SETUP], the picture does not fill the TV screen.	• The aspect ratio on the disc is fixed.
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.

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. • Check the speaker settings (page 79). • The component connected to the HDMI OUT jack does not conform to the audio signal format, in this case set [AUDIO (HDMI)] in [HDMI SETUP] to [ON] (page 77).
No sound is output from the HDMI OUT jack.	• Set [AUDIO (HDMI)] in [HDMI SETUP] to [ON] (page 77). • 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.

| Symptom	Remedy
The sound loses stereo effect when you play a VIDEO CD, a CD, or an MP3 file.	• Set [AUDIO] to [STEREO] by pressing AUDIO (page 32). • 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.	• Make sure the "DEC. MODE" setting (page 50). • Check the speaker connections and settings (pages 16, 79). • 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.
The beginning of the sound is cut off.	• Set the sound mode to other than "AUTO" (page 52).

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). Use direct tuning. • No stations have been preset or the preset stations have been cleared (when tuning by scanning preset stations). Preset the stations (page 54). • Press DISPLAY so that the frequency appears in the front panel display.
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 disc does not play.	• 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 [MODE (MUSIC, IMAGE)] setting has been set to [IMAGE] (page 44). • If you cannot change the [MODE (MUSIC, IMAGE)] setting, re-load the disc or turn the system off, then on. • The DATA CD/DATA DVD contains a DivX video file.

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Symptom	Remedy
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 3,072 (width) × 2,048 (height) in normal mode, or more than 2,000,000 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 [MODE (MUSIC, IMAGE)] setting has been set to [MUSIC] (page 44).
	• If you cannot change the [MODE (MUSIC, IMAGE)] setting, re-load the disc or turn the system off, then on.
	• The DATA CD/DATA DVD contains a DivX video file.
The MP3 files and JPEG image files starts playing simultaneously.	• [AUTO] has been selected in [MODE (MUSIC, IMAGE)] (page 44).
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).
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. Press CLEAR to cancel these functions before playing a disc.
	• Resume Play has been selected. During stop, press ■ and then start playback (page 34).
	• The title, DVD or PBC menu automatically appears on the TV screen.
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 supplied with the disc.
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] under [LANGUAGE SETUP] (page 75).
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 32).
	• 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.

Additional Information

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Symptom	Remedy
[Data error] appears on the TV screen when playing a DATA CD or DATA DVD.	• The MP3 file/JPEG image file/DivX video file you want to play is broken. • The data is not MPEG1 Audio Layer 3 data. • The JPEG image file format does not conform to DCF. • The JPEG image file has the extension ".JPG" or ".JPEG," but is not in JPEG format. • The file you want to play has the extension ".AVI" or ".DIVX" but is not in DivX format, or is in DivX format but does not conform to a DivX Certified profiles.
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.	• When "HDMI" does not light up in the front panel display, check the HDMI connection (page 19). • Set the [CONTROL FOR HDMI] setting in [HDMI SETUP] to [ON] (page 77). • 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 [HDMI SETUP] to [OFF], then set the [CONTROL FOR HDMI] setting in [HDMI SETUP] to [ON] (page 77). • For details, see "Using the Control for HDMI Function for "BRAVIA" Sync" (page 58).
No sound is output from the system and TV while using the System Audio Control function.	• Set the [AUDIO (HDMI)] setting in [HDMI SETUP] to [ON] (page 77). • 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 58).

USB device

Symptom	Remedy
"OVERLOAD" appears in the front panel display.	• A problem has been detected with the level of electrical current from the ↤ (USB) port. Turn off the system and remove the USB device from the ↤ (USB) port. Make sure there is no problem with the USB device. If this display pattern persists, contact your nearest Sony dealer.

Are you using a supported USB device?	• If you connect an unsupported USB device, the following problems may occur. See "Playable USB Devices" (supplement) for the supported device types.
	  – 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.
	  – Transferring stops before it is finished.

There is no sound.	• The USB device is not connected correctly. Turn off the system, then reconnect the USB device.

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Symptom	Remedy
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. • Noise may have entered during the transfer process. Delete the file, and try transferring again. • 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 ⟵ (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.

"Reading" 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: 200 or less.
	  – Total files per folder: 150 or less.

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.
"Data Error" appears in the front panel display during playback of a USB device.	• The audio file/JPEG image file you want to play is broken. • The data is not MPEG1 Audio Layer 3 data. • The JPEG image file format does not conform to DCF. • The JPEG image file has the extension ".JPG" or ".JPEG," but is not in JPEG format.
Playback does not start.	• Turn off the system, then reconnect the USB device. • Connect the USB device that this system can play. See "Playable USB Devices" (supplement). • Press ▷ to start play.
Playback does not start from the first track.	• Cancel Repeat Play (page 66).

Additional Information

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Symptom	Remedy
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 AAC file does not have the extension ".m4a." • 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. • If you use partitioned USB device, only audio files on the first partition can be played. • The system can playback to a depth of 8 folders only. • For audio files/JPEG image files, check the [MODE (MUSIC, IMAGE)] setting (pages 62, 63). • The number of folders has exceeded 200. • The number of files has exceeded 150. • For audio files/JPEG image files, the folder contains more than 150 files. • The JPEG image file does not have the extension ".JPG" or ".JPEG." • The JPEG image file is larger than 3,072 (width) × 2,048 (height) in normal mode, or more than 2,000,000 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. • An AAC file that is the AAC DRM or AAC Lossless 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: 200 or less.
	  – Total files per folder: 150 or less.

You cannot start transferring to a USB device.	• The following problems may have occurred.
	  – The USB device is full.
	  – The number of MP3 files and folders on the USB device has reached the upper limit.
	  – The USB device is write-protected.

Transferring is stopped before it is finished.	• The communication speed of the USB device is extremely slow. Connect the USB device that this system can play. • If the transfer and erase operations are repeated multiple times, the file structure within the USB device becomes complex. Follow the procedure in the operating instructions of the USB device to format the USB device. If the problem persists, contact your nearest Sony dealer.

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Symptom	Remedy
Transferring to a USB device results in an error.	• You are using an unsupported USB device. See "Playable USB Devices" (supplement).
	• The USB device was disconnected or the power was turned off during transfer. Delete the partially transferred file, and transfer again. If this does not fix the problem, the USB device may be broken. Follow the procedure in the operating instructions of the USB device to format the USB device. If the problem persists, contact your nearest Sony dealer.
Audio files or folders on the USB device cannot be erased.	• Check if the USB device is write-protected.
	• The USB device was disconnected or the power was turned off during erasing. Delete the partially-erased file. If this does not fix the problem, the USB device may be broken. Follow the procedure in the operating instructions of the USB device to format the USB device. If the problem persists, contact your nearest Sony dealer.

Additional Information

Self-diagnosis Function

(When letters/numbers appear in the display)

When the self-diagnosis function is activated to prevent the system from malfunctioning, a 5-character service number (e.g., C 13 50) with a combination of a letter and 4 digits appears on the TV screen or front panel display. In this case, check the following table.

First 3 characters of the service number	Cause and/or corrective action
C 13	• The disc is dirty. ➡Clean the disc with a soft cloth (page 91). • The disc is a format that the system cannot play.
C 31	The disc is not inserted correctly. ➡Restart the system, then re-insert the disc correctly.
E XX (XX is a number)	To prevent a malfunction, the system has performed the self-diagnosis function. ➡Contact your nearest Sony dealer or local authorized Sony service facility and give the 5-character service number. Example: E 61 10

When displaying the version number on the TV screen

When you turn on the system, the version number [VER.X.XX] (X is a number) may appear on the TV screen. Although this is not a malfunction and for Sony service use only, normal system operation will not be possible. Turn off the system, and then turn on the system again to operate.

Specifications

Amplifier Section

Power output (rated)   108 W + 108 W (at 3 ohms, 1 kHz, 1% THD)
RMS output power (reference)
                             FL/FR*: 135 W (per channel at 3 ohms, 1 kHz, 10% THD)
                             Subwoofer*: 135 W (at 3 ohms, 80 Hz, 10% THD)

*   *Depending on the decoding mode settings and the source, there may be no sound output.*

Inputs (Analog)
TV (AUDIO IN)   Sensitivity: 450/250 mV
Inputs (Digital)
SAT/CABLE (COAXIAL)
                             Impedance: 75 ohms
Output (Digital)
DIGITAL OUT (COAXIAL)
                             Impedance: 75 ohms

DVD System

Laser   Semiconductor laser
                             (DVD: λ = 650 nm)
                             (CD: λ = 790 nm)
                             Emission duration: continuous
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
AAC: 48 kbps - 320 kbps
Sampling frequencies
MP3 (MPEG 1 Audio Layer-3):
                             32/44.1/48 kHz
WMA: 44.1 kHz
AAC: 44.1 kHz
 (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 ohms, unbalanced
Intermediate frequency   10.7 MHz

Video Section

Outputs   VIDEO: 1 Vp-p 75 ohms
                             COMPONENT:
                             Y: 1 Vp-p 75 ohms
                             P_B/C_B, P_R/C_R: 0.7 Vp-p 75 ohms
                             HDMI OUT: Type A (19 pin)

Speakers
Front speaker (SS-TSF200)

Speaker system   2-Way 2-Driver speaker system Bass reflex, Magnetically Shielded
Speaker unit   Woofer: 65 mm cone type
                             Tweeter: 40 mm cone type
Rated impedance   3 ohms
Dimensions (approx.)   95 mm × 185 mm × 80 mm (w/h/d)
                             95 mm × 215 mm × 105 mm (w/h/d) with stand
Mass (approx.)   0.85 kg
                             0.9 kg with stand

Subwoofer (SA-WSF200)

Power requirements:
Thai models: 220 V AC, 50/60 Hz
Other models: 220 V – 240 V AC, 50/60 Hz
Power consumption   On: 105 W
                             Standby: 0.3 W (at the Power Saving mode)
Speaker system   Subwoofer Bass reflex
Speaker unit   160 mm cone type
Rated impedance   3 ohms
Dimensions (approx.)   205 mm × 460 mm × 475 mm (w/h/d)
Mass (approx.)   13 kg

Control unit (HCD-F200)

Output voltage (DIGITAL MEDIA PORT)
                             DC 5 V
Output current (DIGITAL MEDIA PORT)
                             700 mA
Dimensions (approx.)   434 mm × 185 mm × 78 mm (w/h/d)
                             434 mm × 214 mm × 124 mm (w/h/d) with stand
Mass (approx.)   3.6 kg
                             3.7 kg with stand

Additional Information

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Design and specifications are subject to change
without notice.

eco info

• Standby power consumption 0.3 W.
• Halogenated flame retardants are not
  used in the certain printed wiring
  boards.
• Over 85% power efficiency of
  amplifier block is achieved with the
  full digital amplifier, S-master.

Glossary

Dolby Digital

This movie theater sound format is more
advanced than Dolby Surround Pro Logic. In
this format, the surround speakers output stereo
sound with an expanded frequency range, and a
subwoofer channel for deep bass is
independently provided. This format is also
called "5.1" with the subwoofer channel
designed as the 0.1 channel (since it functions
only when a deep bass effect is needed). All six
channels in this format are recorded separately
for superior channel separation. Furthermore,
since all the signals are processed digitally, less
signal degradation occurs.

DTS

Digital audio compression technology
developed by DTS, Inc. This technology
conforms to 5.1-channel surround. This format
comprises of stereo rear channel and there is
discrete subwoofer channel in this format. DTS
provides the same 5.1 discrete channels of high
quality digital audio. The good channel
separation is realized due to the all channel data
being recorded discretely and processed in
digitally.

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.

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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

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

Parental Control Area Code List

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

Index to Parts and Control

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

Control unit

Top view

Front view

Right side view

[1] **Ventilation slots**

[2] **I/⏻ (on/standby) button (26, 88)**

[3] **AUTO (Decoding mode) indicator (50)**

[4] **WIDE STAGE indicator (50)**

[5] **Play operation buttons/Illumination (30, 83)**

[6] **FUNCTION button (29)**

[7] **Remote sensor (9)**

[8] **VOL +/– buttons (30)**

[9] **⏏ (eject) button (30)**

[10] **Front panel display (107)**

[11] **Disc slot (30)**

[12] **Stand cover (23)**

Connector panel

Left side view

1. **ANTENNA (FM75Ω COAXIAL) jack (22)**
2. **VIDEO OUT (COMPONENT) jacks (19)**
3. **TV (AUDIO IN R/L) jacks (19)**
4. **VIDEO OUT (VIDEO) jack (19)**
5. **SAT/CABLE (DIGITAL IN COAXIAL) jack (20)**
6. **HDMI OUT jack (19)**
7. **SAT/CABLE (DIGITAL IN OPTICAL) jack (20)**
8. **TV (DIGITAL IN OPTICAL) jack (19)**
9. **DIGITAL OUT (COAXIAL) (DVD function only) jack (20)**
10. **DMPORT jack (20, 73)**
11. **� (USB) port (61)**
12. **Panel cover (16, 23)**

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Front panel display

1 **Flashes when the sleep timer is set. (81)**

2 **Lights up when the sound of the system is muted. (31, 87)**

3 **Displays the USB status**

4 **Lights up when a station is received. (Radio only) (54)**

5 **Lights up when the time information of a title or chapter appears in the front panel display.(DVD only)**

6 **Stereo/Monaural effect (Radio only) (54)**

7 **Lights up when an NTSC disc is loaded.**

8 **Lights up when a CD or a DATA CD is loaded. (5)**

9 **Lights up when a disc is loaded.**

10 **Current surround format (except for JPEG image file)**

11 **Lights up when the night mode is on. (81)**

12 **Lights up when the HDMI OUT jack is correctly connected to HDCP (Highbandwidth Digital Content Protection) compliant device with HDMI or DVI (Digital Visual Interface) input. (19)**

13 **Current repeat mode (37, 66)**

14 **Lights up when the system outputs progressive signals (DVD/USB function only). (27)**

15 **Displays system's status such as chapter, title, or track number, time information, radio frequency, playing status, decoding mode, etc.**

16 **Current surround format (except for JPEG image file)**

17 **Playing status**

Additional Information

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Subwoofer

Rear view

1

Bottom view

2 3

FRONT R FRONT L
SPEAKER IMPEDANCE USE 3Ω

SYSTEM CONTROL
ONLY FOR HCD-F200

1 **Ventilation slots**

2 **SPEAKER (FRONT R/FRONT L) jacks (16)**

3 **SYSTEM CONTROL jack (16)**

Remote control

ALPHABETICAL ORDER		BUTTON DESCRIPTIONS

A – L

ANALOG 22 (87)
ANGLE 6 (32)
AUDIO 31 (32, 53)
CLEAR 32 (36, 56, 74)
D.TUNING 23 (55)
DIGITAL 3 (87)
DIMMER 22 (82)
DISPLAY 21 (56, 83)
DVD MENU 7 (38)
DVD TOP MENU 30 (38)
ENTER* 5 (25, 26, 35, 54)
FUNCTION 2 (29, 30)

M – Z

MENU/HOME 29 (87)
MUTING 26 (30)
NIGHT 33 (81)
ONE-TOUCH PLAY 35 (59)
PICTURE NAVI 16 (42)
PRESET +/– 9 (55)
PROG +/– 11 (87)
REPEAT 3 (37, 66)
SLEEP 34 (81)
SOUND MODE +/– 11 (52)
SUBTITLE 23 (32)
SYSTEM MENU 8 (25, 80, 82)
THEATER/THEATRE 19 (58)
TONE 17 (52)
TOOLS/OPTIONS 8 (87)
TUNING +/– 28 (54)
TV 13 (86)
TV VOL +/– 12 (87)
VOLUME +/– 12 (30)

BUTTON DESCRIPTIONS

Number buttons 4 (34, 54, 86)
I/(1) (on/standby) 1 (25, 26, 30)
TV I/(1) (on/standby) 20 (86)
←/↑/↓/→/ ⊕ 15 (25, 26, 35, 54)
←•/•→ REPLAY/ADVANCE 24 (30)
I◄◄/►►I 9 (30)
◄◄/►► 28 (30)
◄I/I► 28 (30)
▷ (play) 10 (30)
■ (stop) 25 (30)
II (pause) 27 (30)
DISPLAY** 29 (26, 35)
RETURN 14 (34)
▲ (eject) 18 (30)
-/-- 5 (87)
⊕/⊘ 21 (87)
32 (87)
30 (87)
⊸/⊕ 7 (87)
⊞/⊟ 11 (87)

* The ENTER button has the same function as the ⊕ button. When you operate the TV, the ENTER button is used for selecting a channel, and the ⊕ button is used for selecting menu items (page 87).

** This button is available for the "DVD" or "DMPORT" function. Depending on the DIGITAL MEDIA PORT adapter, this button may not work.

Guide to the Control Menu Display

You can use the Control Menu display to select a function and to view related information.

 DISPLAY

Press DISPLAY repeatedly.

Each time you press DISPLAY, the Control Menu display changes:
① → ② → ... → ① → ...

① Control Menu display 1
② Control Menu display 2 (appears when available)
③ Control Menu display off

Note
• The Control Menu display appears during the "DVD" or "USB" function.

Control Menu display

The Control Menu display 1 and 2 will show different items depending on the disc type. For details, see the pages in parentheses.

Example: Control Menu display 1 when playing a DVD VIDEO.

Currently playing title number

Currently playing chapter number

Total number of titles

Total number of chapters

Control Menu items

Playback status
(▶ Playback,
❚❚ Pause,
■ Stop, etc.)

Selected item

Type of disc being
played

Playing time

Current setting

Options

Function name of selected
Control Menu item

Operation message

(98)(99)
(13)(99)
T 0: 04: 17
OFF
OFF
DISC
TITLE
CHAPTER

DVD VIDEO

REPEAT
⊞ ▲ ▼ ▶ → ENTER   Quit: ▭ DISPLAY

To turn off the display

Press ▭ DISPLAY.

List of Control Menu items

Item	Item Name, Function, Relevant Disc Type
◉🎞	**[TITLE] (page 39)/[SCENE] (page 39)/[TRACK] (page 39)** You can select the title, scene, or track to be played. `DVD-V` `DVD-VR` `VIDEO CD`
🎬	**[CHAPTER] (page 39)/[INDEX] (page 39)** You can select the chapter or index to be played. `DVD-V` `DVD-VR` `VIDEO CD`
🎵	**[TRACK] (page 39)** You can select the track to be played. `C D` `DATA-CD` `DATA DVD`
🗂▶	**[ORIGINAL/PLAY LIST] (page 39)** You can select the type of titles (DVD-RW/DVD-R) to be played, the [ORIGINAL] one, or an edited [PLAY LIST]. `DVD-VR`
🕐	**[TIME] (page 40)** You can check the elapsed time and the remaining playback time. You can play from a desired point by inputting the time code (DVD VIDEO/DVD-VR only). `DVD-V` `DVD-VR` `VIDEO CD` `C D` `DATA-CD` `DATA DVD`
🎶	**[PROGRAM] (page 35)** You can select the track to play in the order you want. `VIDEO CD` `C D`
🎶	**[SHUFFLE] (page 36)** You can play the track/file in random order. `VIDEO CD` `C D` `DATA-CD` `DATA DVD`
⤵	**[REPEAT] (page 37)** You can play the entire disc (all titles/all tracks/all folders/all files) repeatedly or one title/chapter/track/folder/file repeatedly. `DVD-V` `DVD-VR` `VIDEO CD` `C D` `DATA-CD` `DATA DVD`

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	[DISC MENU] (page 38) You can display the DVD's menu.	`DVD-V`
	[BROWSING] (page 43) You can display the list of folders/JPEG image files.	`DATA-CD` `DATA DVD`
	[SETUP] (page 74) [QUICK] (page 26) You can make the basic adjustments. Use Quick Setup to select the desired language of the on-screen display, the aspect ratio of the TV. [CUSTOM] In addition to the Quick Setup setting, you can adjust various other settings. `DVD-V` `DVD-VR` `VIDEO CD` `C D` `DATA-CD` `DATA DVD`	
	[FOLDER] (page 39) You can select the folder to be played.	`DATA-CD` `DATA DVD`
	[FILE] (page 39) You can select the JPEG image file or DivX video file to be played.	`DATA-CD` `DATA DVD`
*	**[DATE] (page 86)** You can display the date the picture was taken by a digital camera.	`DATA-CD` `DATA DVD`
*	**[INTERVAL] (page 44)** You can select the duration for which the slides are displayed on the TV screen. `DATA-CD` `DATA DVD`	
*	**[EFFECT] (page 45)** You can select the effects to be used for changing slides during a slide show. `DATA-CD` `DATA DVD`	
*	**[MODE (MUSIC, IMAGE)] (page 44)** You can select the data type; MP3 file, JPEG image file, or both to be played when playing a DATA CD/DATA DVD.	`DATA-CD` `DATA DVD`

* These items are not displayed when playing a DATA CD/DATA DVD with DivX video file.

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List of Control Menu Items for USB device

Item	Item Name, Function
	[REPEAT] (page 66) You can play the entire USB device (all folders/all files) repeatedly or one folder/file repeatedly.
	[BROWSING] (page 65) You can display the list of folders/JPEG image files.
	[DATE] (page 69) You can display the date the picture was taken by a digital camera.
	[INTERVAL] (page 64) You can select the duration for which the slides are displayed on the TV screen.
	[EFFECT] (page 65) You can select the effects to be used for changing slides during a slide show.
	[MODE (MUSIC, IMAGE)] (pages 62, 63) You can select the data type; MP3/AAC/WMA file or JPEG image file, when playing a USB device.
	[USB RECORDING] (pages 70, 71) You can transfer tracks on an audio CD or MP3 files on a CD/DATA CD/DATA DVD to a USB device.
	[SHUFFLE] You can play the file in random order.
	[TRACK] You can select the track to be played.
	[FOLDER] You can select the folder to be played.
	[FILE] You can select the JPEG image file to be played.
	[TIME] You can check the elapsed time.

Tip

• The Control Menu icon indicator lights up in yellow [icon] → [icon] when you select any item except [OFF] ([PROGRAM], [SHUFFLE], and [REPEAT] only). The [ORIGINAL/PLAY LIST] indicator lights up in yellow when you select [PLAY LIST] (default setting).

Additional Information

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Numerics

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