

# CD/DVD Player

Reference Guide

DVP-SR500H



# WARNING

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

To avoid electrical shock, do not open the cabinet. Refer servicing to qualified personnel only.

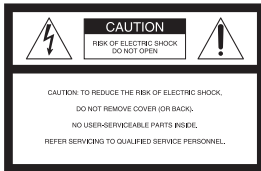
The AC power cord must be changed only at a qualified service shop.

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

## CAUTION

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

Refer servicing to qualified personnel only.



This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage"

within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

## Precautions

- To prevent fire or shock hazard, do not place objects filled with liquids, such as vases, on the apparatus.
- The player is not disconnected from the AC power source as long as it is connected to the wall

outlet, even if the player itself has been turned off.

- Do not install this player in a confined space, such as a bookshelf or similar unit.
- Install the player so that the AC power cord can be unplugged from the wall socket immediately in the event of trouble.
- If the player 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 player. Should this occur, the player may not operate properly. In this case, remove the disc and leave the player turned on for about half an hour until the moisture evaporates.

## For customers in the U.S.A Owner's Record

The model and serial numbers are located at the rear of the unit. Record the serial number in the space provided below. Refer to them whenever you call upon your Sony dealer regarding this product.

Model No. DVP-SR500H  
Serial No. \_\_\_\_\_

## CAUTION

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.



This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

## Important Safety Instructions

- 1) Read these instructions.
- 2) Keep these instructions.
- 3) Heed all warnings.
- 4) Follow all instructions.
- 5) Do not use this apparatus near water.
- 6) Clean only with dry cloth.
- 7) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- 8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 9) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- 10) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- 11) Only use attachments/accessories specified by the manufacturer.
- 12) Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/

apparatus combination to avoid injury from tip-over.



- 13) Unplug this apparatus during lightning storms or when unused for long periods of time.
- 14) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.


## Note about the discs

Do not use the following discs:

- A disc recorded in a color system other than NTSC, such as PAL or SECAM (this player conforms to the NTSC color system).
- A disc that has a non-standard shape (e.g., card, heart).
- A disc with a label or sticker on it.

## Region code

Your player has a region code printed on the back of the unit and only will play commercial DVDs (playback only) labeled with identical region codes. This system is used to protect copyrights.

Commercial DVDs labeled  will also play on this player.

Depending on the commercial DVD, there may be no region code indication, even though playing the commercial DVD is prohibited by area restrictions.



Region code

## Copyrights

- Manufactured under license from Dolby Laboratories. Dolby and the double-D symbol are trademarks of Dolby Laboratories.
- Manufactured under license under U.S. Patent #: 5,451,942 & other U.S. and worldwide patents issued & pending. DTS

and the Symbol are registered trademarks and DTS Digital Out and the DTS logos are trademarks of DTS, Inc. Product includes software. © DTS, Inc. All Rights Reserved.

- “DVD+RW,” “DVD-RW,” “DVD+R,” “DVD+R DL,” “DVD-R,” “DVD VIDEO,” and “CD” logos are trademarks.
- MPEG Layer-3 audio coding technology and patents licensed from Fraunhofer IIS and Thomson.
- This DVD player 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 in the United States and other countries.
- This product meets ENERGY STAR® guidelines for energy efficiency. ENERGY STAR and the ENERGY STAR mark are registered U.S. marks. ENERGY STAR is a registered mark owned by the U.S. government.

## About this manual

“DVD” may be used as a general term for commercial DVDs, DVD+RWs/DVD+Rs/DVD+R DLs (+VR mode) and DVD-RWs/DVD-Rs/DVD-R DLs (VR mode, video mode).

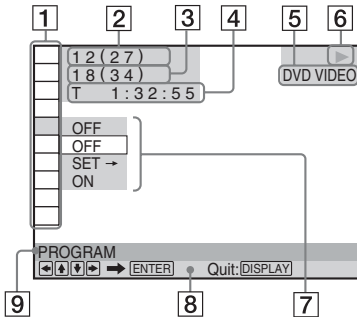
# Playback

## Control Menu display

Use the Control Menu to select a function and to view related information.

### Press DISPLAY.

To change the Control Menu display, press DISPLAY again.



- 1 Control Menu items
- 2 Currently playing title/Total number of titles
- 3 Currently playing chapter/Total number of chapters
- 4 Playing time
- 5 Selected disc type
- 6 Playback status
- 7 Selected item icon/menu options
- 8 Operation message
- 9 Selected Control Menu item

## Menu list

Item	Item Name, Function
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	TITLE/SCENE/TRACK
--	-------------------

	CHAPTER/INDEX
--	---------------

	TRACK
--	-------

Selects the title, scene, track, chapter, or index to be played.

## TIME/TEXT

Checks the elapsed time and the remaining playback time.

Input the time code for picture and music search (DVD only).

## ORIGINAL/PLAY LIST

Selects the type of title (DVD-VR mode) to be played: ORIGINAL, or edited PLAY LIST.

## PROGRAM\*<sup>1, \*2</sup>

Selects the title, chapter, or track to play in the order you want.

- 1 Select "SET →," then press ENTER and select the title (T), chapter (C), or track (T) you want to program, and press ENTER.
- 2 Repeat selecting the title, chapter, or track.
- 3 Press .

## SHUFFLE\*<sup>1, \*2</sup>

Plays the title, chapter or track in random order.

## REPEAT\*<sup>1, \*2</sup>

Plays all titles/tracks/albums or a single title/chapter/track/album/file repeatedly.

## A-B REPEAT\*<sup>1, \*2</sup>

Specifies the parts you want to play repeatedly.

- 1 During playback, select "SET →," then press ENTER.  
The "A-B REPEAT" setting bar appears.
- 2 When you find the starting point (point A), press ENTER.
- 3 When you reach the ending point (point B), press ENTER again.

## PARENTAL CONTROL

Set to prohibit playback on this player.

**PLAYER →:** 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 (Parental Control).

**PASSWORD →:** Enter a 4-digit password using the number buttons. Also use this menu to change the password.

## Parental Control (limited playback)

You can set a playback limitation level.

- 1 Select "PLAYER →," then press ENTER.  
Enter or re-enter your 4-digit password, then press ENTER.

2 Press **↑/↓** to select “STANDARD,” then press ENTER.  
Press **↑/↓** to select an area, then press ENTER.

When you select “OTHERS →,” select and enter a standard code. See “PARENTAL CONTROL AREA CODE LIST” at the end of this manual.

3 Press **↑/↓** to select “LEVEL,” then press ENTER.  
Press **↑/↓** to select the level, then press ENTER.

Parental Control setting is complete.  
The lower the value, the stricter the limitation.

To turn off the Parental Control function, set “LEVEL” to “OFF.”

If you forget your password, enter “199703” in the password box, press ENTER, and then enter a new 4-digit password.

## **SETUP**

**QUICK:** Use Quick Setup to choose the desired language of the on-screen display, the aspect ratio of the TV and the audio output signal.

**CUSTOM:** In addition to the Quick Setup setting, you can adjust various other settings (page 7).

**RESET:** Returns the settings in “SETUP” to the default setting.

## **ZOOM\*<sup>1</sup>**

Magnifies the image up to four times the original size, scroll using **←/↑/↓/→**.

## **ANGLE**

Changes the angle.

## **CUSTOM PICTURE MODE**

Selects the picture quality that best suits the program you are watching.

**STANDARD:** Displays a standard picture.

**DYNAMIC 1:** Produces a bold dynamic picture by increasing the picture contrast and the color intensity.

**DYNAMIC 2:** Produces a more dynamic picture than DYNAMIC 1 by further increasing the picture contrast and color intensity.

**CINEMA 1:** Enhances details in dark areas by increasing the black level.

**CINEMA 2:** White colors become brighter and black colors become richer, and the color contrast is increased.

**MEMORY →:** Adjusts the picture in greater detail.

## **SHARPNESS**

Exaggerates the outline of the image to produce a sharper picture.

**OFF:** Cancels this option.

**1:** Enhances the outline.

**2:** Enhances the outline more than 1.

## **AV SYNC**

Adjust the delay between the picture and sound. This function is not effective when:

- you use the DIGITAL OUT (COAXIAL) jack, and set “DOLBY DIGITAL” and “DTS” in “AUDIO SETUP” to “DOLBY DIGITAL” and “ON” respectively (page 8).
- you connect a Dolby Digital or DTS-compliant device via the HDMI OUT jack, and set “DOLBY DIGITAL” and “DTS” in “AUDIO SETUP” to “DOLBY DIGITAL” and “ON” respectively (page 8).

**1** Select “SET →,” then press ENTER.

The “AV SYNC” adjustment bar appears.

**2** Press **→** repeatedly to adjust the delay.

Each time you press **←/→**, the delay is adjusted by 10 milliseconds.

**3** Press ENTER.

The selected setting takes effect.

To reset the “AV SYNC” setting, press CLEAR in step 2.

## **TVS (TV Virtual Surround)**

Selects surround sound effect when connecting a stereo TV or 2 front speakers. This only works when playing a multichannel Dolby audio sound track. Furthermore, if the player is set up to output the signal from the DIGITAL OUT (COAXIAL)/HDMI OUT jack, the surround effect will only be heard when “DOLBY DIGITAL” is set to “D-PCM” in “AUDIO SETUP” (page 8).

**OFF:** Cancels the setting.

**TVS DYNAMIC THEATER/**

**TVS DYNAMIC/**

**TVS WIDE:** These modes are effective when the distance between the front L and R speakers is short, such as with built-in speakers on a stereo TV.









**TVS NIGHT:** This feature is useful when you want to hear the dialog and enjoy the surround sound effects of “TVS WIDE” at low volume.

**TVS STANDARD:** Use this setting when you want to use TVS with 2 separate speakers.

\*<sup>1</sup> To return to normal play, select “OFF” or press CLEAR.

\*<sup>2</sup> The play mode is canceled when:  
– you open the disc tray.  
– you turn off the player.

## ◆Items for DATA discs

Item	Item Name, Function
	<b>ALBUM</b> Selects the album that contains music and photo files to be played.
	<b>FILE</b> Selects the photo file to be played.
	<b>ALBUM</b> Selects the album that contains video file to be played.
	<b>FILE</b> Selects the video file to be played.
	<b>DATE</b> Displays the date the picture was taken by a digital camera.
	<b>INTERVAL*</b> Specifies the duration for which the slides are displayed on the screen.
	<b>EFFECT*</b> Selects the effects to be used for changing slides during a slide show. <b>MODE 1:</b> The images randomly cycle through the effects. <b>MODE 2:</b> The image sweeps in from top left to bottom right. <b>MODE 3:</b> The image sweeps in from top to bottom. <b>MODE 4:</b> The image sweeps in from left to right. <b>MODE 5:</b> The image stretches out from the center of the screen. <b>OFF:</b> Turns off this function.
	<b>MEDIA</b> Selects the media type you want to play. <b>VIDEO:</b> Plays video files. <b>PHOTO (MUSIC):</b> Plays photo and music files as a slide show. You can view a slideshow with sound when music and photo files are placed in the same album. If the playing time of either music or photos is longer, the longer one continues without sound or image. <b>PHOTO (BGM):</b> Plays photo files with the player's internal background sound. To choose the melody of the background sound, press AUDIO repeatedly while viewing the image. <b>MUSIC:</b> Plays music files. Press SUBTITLE while playing music files that contain unsynchronized lyric information. The player supports MP3 ID3 Lyrics only.

\* Depending on the file, this function may not be possible.

## The player automatically returns to standby mode

If any button on the player or remote is not pressed for more than 25 minutes, the player automatically returns to standby mode.

## To play VIDEO CDs with PBC functions

When you start playing a VIDEO CD with PBC (Playback control) functions, the menu for your selection appears.

### To play without using PBC

Press **◀◀/▶▶** or the number buttons while the player is stopped to select a track, then press **▶** or **ENTER**. To return to PBC playback, press **■** twice, then press **▶**.

## To lock the disc tray (Child Lock)

You can lock the disc tray to prevent it being opened by mistake.

When the player is in standby mode, press in order, **↶** RETURN, **ENTER**, and **I/⏻** on the remote.

The player turns on and “**LOCKED**” appears on the front panel display. The **▲** button on the player does not work while the Child Lock is set.

### To unlock the disc tray

When the player is in standby mode, press in order, **↶** RETURN, **ENTER**, and **I/⏻** on the remote again.

## Controlling TVs with the remote

You can control the sound level, input source, and power switch of your Sony TV with the supplied remote.

If your TV is listed in the table below, set the appropriate manufacturer's code.

When you replace the batteries of the remote, set the appropriate code number again.

- 1 While holding down TV **I/⏻**, press the number buttons to select your TV's manufacturer's code.
- 2 Release TV **I/⏻**.


## Code numbers of controllable TVs

Sony	01 (default)
Hitachi	02
LG/Goldstar/NEC	04
MGA/Mitsubishi	13
Panasonic	19
Philips	21
Pioneer	16
RCA	10
Samsung	20
Sharp	18
Toshiba	07

## Viewing a high quality slide show (PhotoTV HD)


If you have a Sony TV that is compatible with "PhotoTV HD," you can enjoy the best quality images. "PhotoTV HD" is activated when the player is connected to a TV by an HDMI cord and "JPEG RESOLUTION" in "HDMI SETUP" is set to "PhotoTV HD" (page 8).

## CUSTOM Menu

You can adjust various settings. Press DISPLAY when the player is in stop mode, select  (SETUP), and then select "CUSTOM." The CUSTOM menu appears.

### Menu list

Item	Item Name, Function
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	LANGUAGE SETUP
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**OSD (On-Screen Display):** Switches the display language on the screen.

**MENU\*<sup>1</sup>:** Selects the desired language for the disc's menu (DVD VIDEO only).

**AUDIO\*<sup>1</sup>:** Switches the language of the sound track. When you select "ORIGINAL," the language given priority in the disc is selected. (DVD VIDEO only)

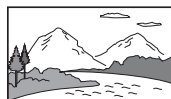
**SUBTITLE\*<sup>1</sup>:** Switches the language of the subtitle recorded on the DVD VIDEO. When you select "AUDIO FOLLOW," the language for the subtitles changes according to the language you selected for the sound track. (DVD VIDEO only)



## SCREEN SETUP

**TV TYPE:** Selects the aspect ratio of the connected TV.

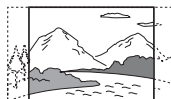
16:9




4:3 LETTER BOX



4:3 PAN SCAN



**SCREEN SAVER:** When set to "ON," the screen saver appears when the player is in pause or stop mode for 15 minutes. Press  to turn off the screen saver.

**BACKGROUND:** Selects the background color or picture on the TV screen. If you set "JACKET PICTURE," even though the disc does not contain a jacket picture, the "GRAPHICS" picture appears.

**BLACK LEVEL:** Selects the black level (setup level) for video signals output from the jacks other than COMPONENT VIDEO OUT/HDMI OUT.

**BLACK LEVEL (COMPONENT OUT):** Selects the black level (setup level) for video signals output from the COMPONENT VIDEO OUT jacks.

**PROGRESSIVE (COMPONENT OUT ONLY)\*<sup>2</sup>:** Sets to "ON" if your TV aspects progressive format signals.

**MODE (PROGRESSIVE):** This setting is effective only when you set "PROGRESSIVE (COMPONENT OUT ONLY)" to "ON." If you select "AUTO," the player detects the format (film-based or video-based), and converts to the appropriate version.

**4:3 OUTPUT:** This setting is effective only when you set "TV TYPE" to "16:9." Select "FULL" when you can change the aspect ratio on your TV.



## CUSTOM SETUP

**AUTO PLAY:** When set to "ON," the player automatically starts playback when the player is turned on by a timer (not supplied).

**PAUSE MODE:** Selects the picture in pause mode. Normally select "AUTO." When the picture is output in high resolution, set to "FRAME." (DVD only)

**TRACK SELECTION:** Gives the sound track which contains the highest number of channels priority when you play a DVD VIDEO on which multiple audio formats (PCM, DTS, or Dolby Digital format) are recorded. If you select "AUTO," priority is given. (DVD VIDEO only)

**IMAGE QUALITY:** Selects the priority display to either high quality image or quick speed. (Photo files only)

**MULTI-DISC RESUME:** Switches the Multi-disc Resume setting on or off. Resume playback can be stored in memory for up to 6 different DVD VIDEOS/VIDEO CDs. If you start the settings again, the resume point is cleared. (DVD VIDEO/VIDEO CD only)

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## AUDIO SETUP

**AUDIO DRC (Dynamic Range Control)\*<sup>3</sup>:** Set according to the surrounding environment. Set to "TV MODE" when the smallest sounds are indiscernible, or set to "WIDE RANGE" when the listening environment is good, for example, in a home movie theater.

**DOWNMIX\*<sup>3</sup>:** Switches the method for mixing down to 2 channels when you play a DVD which has rear sound elements (channels), or is recorded in Dolby Digital format. Normally select "DOLBY SURROUND."

**DIGITAL OUT:** Selects if audio signals are output via the DIGITAL OUT (COAXIAL)/HDMI OUT jack. When you select "ON," set also the following "DOLBY DIGITAL," "DTS," or "48kHz/96kHz PCM."

**DOLBY DIGITAL:** Selects the type of Dolby Digital signal. Set to "D-PCM" when the player is connected to an audio component without a built-in Dolby Digital decoder.

**DTS:** Selects the type of DTS audio signal. Set to "ON" when you play a DVD VIDEO with DTS sound tracks. Do not set to "ON" when you connect the player to an audio component without a DTS decoder.

**48kHz/96kHz PCM:** Selects the sampling frequency of the digital audio output signal. (DVD VIDEO only)

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## HDMI SETUP

You can adjust items related to HDMI connection.

**HDMI RESOLUTION\*<sup>2</sup>:** Selects the type of video signal output from the HDMI OUT jack. If "AUTO (1920×1080p)" (default) is selected, the player outputs video signals of the highest resolution acceptable for your TV. If the picture is not clear, unnatural or otherwise not to your satisfaction, try another option that suits the disc, TV/projector, etc. For details, refer also to the instruction manual supplied with the TV/projector, etc.

You cannot select this when "JPEG RESOLUTION" is set to "PhotoTV HD."

**JPEG RESOLUTION:** Selects the type of JPEG resolution so that you can enjoy a high picture quality via HDMI connection.

This setting is effective only when you set "TV TYPE" to "16:9." You cannot select this when "HDMI RESOLUTION" is set to "720×480p."



"(1920×1080i) HD □" and "(1920×1080i) HD" are effective only when you set "HDMI RESOLUTION" to "1920×1080i." If you set this setting to "PhotoTV HD," "(1920×1080i) HD □" or "(1920×1080i) HD," the effect, rotation, and zoom functions are not available.

**YCbCr/RGB (HDMI):** Selects the type of HDMI signal output from the HDMI OUT jack. Set to "RGB" if the playback picture is distorted. You cannot select this when "JPEG RESOLUTION" is set to "PhotoTV HD."

**AUDIO (HDMI):** Selects the type of audio signal output from the HDMI OUT jack. Set to "PCM" if you connect the player to a TV that is not compatible with DOLBY DIGITAL/DTS signals.

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\*<sup>1</sup> When you select "OTHERS →," select and enter a language code. See "LANGUAGE CODE LIST" at the end of this manual.

\*<sup>2</sup> If the picture does not appear normally or goes blank, reset the setting. Press  to turn off, enter "369," and then press  to turn on the player again.

\*<sup>3</sup> This function affects the output from the following jacks:

- AUDIO OUT L/R jacks.
- DIGITAL OUT (COAXIAL)/HDMI OUT jack only when "DOLBY DIGITAL" is set to "D-PCM."



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# Information

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## Troubleshooting

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If you experience any of the following difficulties while using the player, use this troubleshooting guide to help remedy the problem before requesting repairs. Should any problem persist, consult your nearest Sony dealer.

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### The power is not turned on.

- Check that the power cord is connected securely.
- 


### There is no picture/picture noise appears.

- Re-connect the connecting cord securely.
  - The connecting cords are damaged.
  - Check the connection to your TV and switch the input selector on your TV so that the signal from the player appears on the TV screen.
  - The disc is dirty or flawed.
  - Press **I/⏻** to turn off the player, and enter "369" using the number buttons on the remote, then press **I/⏻** to turn on the player again.
- 

### There is no sound.

- Re-connect the connecting cord securely.
  - The connecting cord is damaged.
  - The player is in pause mode or in Slow-motion Play mode.
  - The player is in fast forward or fast reverse mode.
- 

### The remote does not function.

- The batteries in the remote are weak.
  - The remote is not pointed at the remote sensor  on the player.
  - When you operate the player by pressing buttons on the remote in sequence, press the buttons within 5 seconds of each other.
- 

### The disc does not play.

- The disc is turned over.  
Insert the disc with the playback side facing down.
  - The disc is skewed.
  - The player cannot play certain discs.
  - The region code on the DVD does not match the player.
  - Moisture has condensed inside the player.
  - The player cannot play a recorded disc that is not correctly finalized.
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### The player does not operate properly.

- When static electricity, etc., causes the player to operate abnormally, unplug the player.
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### The disc tray does not open and "LOCK" (LOCKED) appears on the front panel display.

- Child Lock is set (page 6).
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### The disc tray does not open and "E-LOCK" (TRAY LOCKED) appears on the front panel display.

- Contact your Sony dealer or local authorized Sony service facility.
- 

### "C13" appears on the front panel display.

- Clean the disc with a cleaning cloth or check its format.
- 

### "C31" appears on the front panel display.

- Re-insert the disc correctly.
- 

### There is no picture/sound when connected to the HDMI OUT jack.

- Change the "HDMI RESOLUTION" setting in "HDMI SETUP." The problem may be solved.
  - The equipment connected to the HDMI OUT jack does not conform to the audio signal format, in this case set "AUDIO (HDMI)" in "HDMI SETUP" to "PCM."
  - Try the following: ① Turn the player off and on again. ② Turn the connected equipment off and on again. ③ Disconnect and then connect the HDMI cord again.
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## Playable file format

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Video: MPEG-1 (Cyber-shot data)  
Photo: JPEG (DCF format)  
Music: MP3 (except for mp3PRO)/WMA (except for WMA Pro)\*/AAC\*/LPCM/WAVE

\* Files with copyright protection (Digital Right Management) cannot be played.

- Supported extensions: ".mpg", ".mpeg", ".jpg", ".mp3", ".wma", ".m4a", ".wav"  
Supported discs: DVD, DVD±RW/±R/±R DL, Music CD/Super VCD, CD-R/RW
- DATA CDs recorded according to ISO 9660 Level 1/Level 2, or its extended format, Joliet.
  - DATA DVDs recorded according to UDF.
-

- The player will play any file in the above, even if the file format differs. Playing such data may generate noise that can result in speaker damage.
- To play a complex hierarchy of folders may take some time. Create albums with no more than two hierarchies.
- Some video, photo, and music files may not play, depending on the encoding/recording condition.
- To start playback and proceed to the next or another album/file may take some time.
- The player will recognize a maximum of 200 albums and 600 files. It can recognize up to 300 music files and 300 photo files when "PHOTO (MUSIC)" is selected.
- The player may not play a combination of two or more video files.
- The player cannot play a video file of size more than 720 (width) × 576 (height)/2 GB.
- Depending on the file, playback may not be smooth. You are recommended to create the file at a lower bit rate.
- The player may not play back the high bit rate video file on the DATA CD smoothly. You are recommended to play back using DATA DVD.

### Note about recordable media

Some recordable media cannot be played on this player 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. Also some DATA discs created in Packet Write format cannot be played.

### For player that cannot play images that contain a copy protection only

Images in DVD-VR mode with CPRM (Content Protection for Recordable Media) protection may not be played.

### Note on playback operations of DVDs and VIDEO CDs

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

### Note on discs

This unit is designed to playback discs that conform to the Compact Disc (CD) standard. DualDiscs and some music discs encoded with copyright protection technologies do not conform to the Compact Disc (CD) standard. Therefore, these discs may not be compatible with this unit.

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## Specifications

### System

Laser: Semiconductor laser

### Outputs

- AUDIO OUT (L/R): Phono jack
- DIGITAL OUT (COAXIAL): Phono jack
- COMPONENT VIDEO OUT(Y, P<sub>B</sub>, P<sub>R</sub>): Phono jack
- VIDEO OUT: Phono jack
- HDMI OUT: HDMI 19 pin-Standard Connector

### General

- Power requirements: 120 V AC, 60 Hz
- Power consumption: 10 W
- Dimensions (approx.): 320 × 38 × 209 mm (12<sup>5</sup>/<sub>8</sub> × 1<sup>1</sup>/<sub>2</sub> × 8<sup>1</sup>/<sub>4</sub> in.) (width/height/depth) incl. projecting parts
- Mass (approx.): 1.2 kg (2 lb 11 oz)
- Operating temperature: 5 °C to 35 °C (41 °F to 95 °F)
- Operating humidity: 25 % to 80 %

### Supplied accessories

- Audio/Video cord (phono plug × 3 ↔ phono plug × 3) (1)
- Remote commander (remote) (1)
- Size AA (R6) batteries (2)

Specifications and design are subject to change without notice.

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# LANGUAGE CODE LIST

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

ISO 639: 1988 (E/F) standard

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# PARENTAL CONTROL AREA CODE LIST

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



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