

CD/DVD Player

Operating Instructions



***DVP-NS718H
DVP-NS728H***

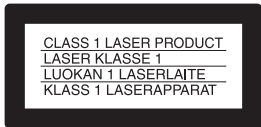
WARNING

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 mains lead must only be changed at a qualified service shop.

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



This appliance is classified as a CLASS 1 LASER product. The CLASS 1 LASER PRODUCT MARKING is located on the rear exterior.

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.

Notice for customers in the United Kingdom and Republic of Ireland

A moulded plug complying with BS1363 is fitted to this equipment for your safety and convenience. Should the fuse in the plug supplied need to be replaced, a 5AMP fuse approved by ASTA or BSI to BS1362, (i.e., marked with ⚡ or ⚡ mark) must be used. If the plug supplied with this equipment has a detachable fuse cover, be sure to attach the fuse cover after you change the fuse. Never use the plug without the fuse cover. If you should lose the fuse cover, please contact your nearest Sony service station.



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.

Precautions

Safety

- This unit operates on 220 – 240 V AC, 50/60 Hz. Check that the unit's operating voltage is identical with your local power supply.
- To prevent fire or shock hazard, do not place objects filled with liquids, such as vases, on the apparatus.

Installing

- Do not install the unit in an inclined position. It is designed to be operated in a horizontal position only.
- Keep the unit and discs away from equipment with strong magnets, such as microwave ovens, or large loudspeakers.
- Do not place heavy objects on the unit.

Lightning

For added protection for this set during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet. This will prevent damage to the set due to lightning and power-line surges.

Notes about the discs

- To keep the disc clean, handle the disc by its edge. Do not touch the surface. Dust, fingerprints, or scratches on the disc may cause it to malfunction.



- 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.
- Clean the disc with a cleaning cloth. Wipe the disc from the centre out.



- Do not use solvents such as benzine, thinner, commercially available cleaners, or anti-static spray intended for vinyl LPs.
- If you have printed the disc's label, dry the label before playing.
- Do not use the following discs:
 - A disc that has a non-standard shape (e.g., card, heart).
 - A disc with a label or sticker on it.
 - A disc that has cellophane tape or sticker adhesive on it.

Precautions

On safety

Should any solid object or liquid fall into the cabinet, unplug the player and have it checked by qualified personnel before operating it any further.

On power sources

- The player is not disconnected from the AC power source (mains) as long as it is connected to the wall outlet, even if the player itself has been turned off.
- If you are not going to use the player for a long time, be sure to disconnect the player from the wall outlet. To disconnect the AC power cord (mains lead), grasp the plug itself; never pull the cord.

On placement

- Place the player in a location with adequate ventilation to prevent heat build-up in the player.
- Do not place the player on a soft surface such as a rug.
- Do not place the player in a location near heat sources, or in a place subject to direct sunlight, excessive dust, or mechanical shock.
- 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 (mains lead) 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.
- When you move the player, take out any discs. If you don't, the disc may be damaged.

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 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.

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 replacement of parts

In the event that this unit is repaired, repaired parts may be collected for reuse or recycling purposes.

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

About this manual

- The instructions in this manual are for 2 models: DVP-NS718H and DVP-NS728H. Check your model name by looking at the rear panel of the player. DVP-NS728H is the model used for instruction purposes. Any difference in operation is clearly indicated in the text, for example, "DVP-NS728H only."
- Icons, such as , listed at the top of each explanation indicate what kind of media can be used with the function being explained. For details see "Playable Media" (page 45).
- Instructions in this manual describe the controls on the remote. You can also use the controls on the player if they have the same or similar names as those on the remote.
- "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).
- NEED-to-know information (to prevent incorrect operation) is listed under the  icon. NICE-to-know information (tips and other useful information) is listed under the  icon.

IMPORTANT NOTICE

Caution: This player 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. Plasma display panel televisions and projection televisions are susceptible to this.

If you have any questions or problems concerning your player, please consult your nearest Sony dealer.

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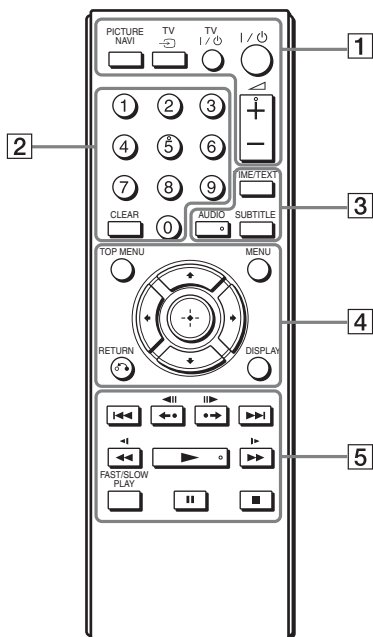
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Guide to Parts and Controls

For more information, see the pages indicated in parentheses.

Remote



◀ (volume) +, number 5, AUDIO, and ▶ buttons have a tactile dot. Use the tactile dot as a reference when operating the player.

1 PICTURE NAVI (31)

Divides the screen into 9 subscreens so you can choose the desired scene quickly.

Each time you press the button, the display changes as follows:

- CHAPTER VIEWER
- TITLE VIEWER
- TRACK VIEWER

The photo files in the album appear in 16 subscreens.

TV ↻ (input select) (16)

Switches between TV and other input sources.

TV I/⏻ (on/standby) (16)

Turns on the TV, or sets to standby mode.

I/⏻ (on/standby) (16)

Turns on the player, or sets to standby mode.

◀ (volume) +/- (16)

Adjusts the TV volume.

2 Number buttons

Enters the title/chapter numbers, etc.

CLEAR (22)

Clears the entry field.

3 TIME/TEXT (10)

Displays the playing time and remaining time on the TV screen or front panel display. Press repeatedly to change the displayed information. CD/DVD text appears only when text is recorded on the disc.

If music file has an ID3 tag, the player will display the album name/track title from the ID3 tag information. This player supports ID3 versions 1.0/1.1 and 2.2/2.3.

AUDIO (∞)

Changes the audio language or audio channel.

When 4 digits are displayed, they indicate a language code. See “Language Code List” on page 48 to see which language the code represents.

SUBTITLE (☐) (31)

- Changes the subtitles when subtitles are recorded on DVD VIDEOS/DVD-VR mode/DivX video files only.
- Displays lyrics for a music file when pressed during playback. For details see page 31.

4 TOP MENU

Displays the DVD's top menu.

MENU (30)

Displays the menu.

↶ RETURN (20)

Returns to the previous display.

DISPLAY (21)

Displays the playback information on the screen.

←/↑/↓/→ (22)

Moves the highlight to select a displayed item.

Centre button (ENTER) (16)

Enters the selected item.

5 ◀◀/▶▶ (previous/next)

Skips to the previous/next chapter, track, or scene in continuous play mode.

◀◀ ◀/||/▶▶ ▶▶ (replay/step/step/advance)

- Replays the scene^{*1*}/^{*3}briefly fast forward the scene^{*2*}/^{*3} when pressed during playback.
- Plays backward^{*4}/forward^{*5} one frame at a time when pressed during pause mode.
- Changes the LUN (Logical Unit Number) devices when pressed during the list of albums or tracks is displayed (page 31).

◀◀◀/▶▶▶▶ (scan/slow)

- Fast reverses/fast forwards when pressed during playback. The speed changes when pressed repeatedly.
- Plays backward^{*4}/forward^{*5} in slow motion when pressed repeatedly during pause mode.

▶▶▶▶ (play)

Starts or re-starts playback.

|| (pause)

Pauses or re-start playback.

■ (stop)

Stops playback.

FAST/SLOW PLAY

Plays in various speed with sound^{*6} when pressed repeatedly during playback.

*1 For DivX video files and DVDs except DVD+RWs/DVD+Rs/DVD+R DLs.

*2 For DVDs and DivX video files only.

*3 These functions may not work with some scenes.

*4 For DVD VIDEOS and DVD-VR mode only.

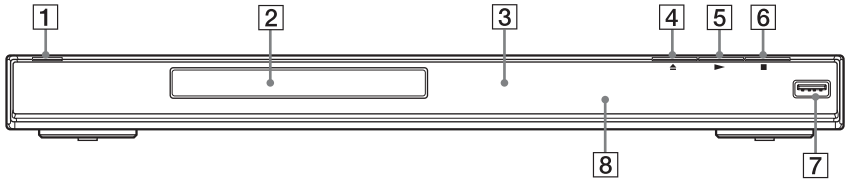
*5 For DVDs, VIDEO CDs, and video files only.

*6 For DVDs and VIDEO CDs only.



Some playback functions may not work with unsupported MPEG-4 format (page 45).

Front panel



- 1 **I/⏻** (on/standby) button (16)
- 2 Disc tray (19)
- 3 Front panel display (10)
- 4 **⏮** (open/close) button (19)
Opens or closes the disc tray.
- 5 **▶** (play) button (19)
The **▶** button has a tactile dot*.
- 6 **■** (stop) button (19)
Stops playback.
- 7 **↔** USB jack (type A) (18, 31)
(DVP-NS728H only)
Connect a USB device to this jack.
- 8 **📶** (remote sensor) (15)

* Use the tactile dot as a reference when operating the player.

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 **↶** RETURN, ENTER, and then **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.

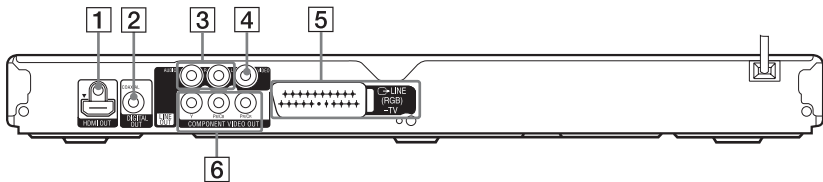
To unlock the disc tray

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



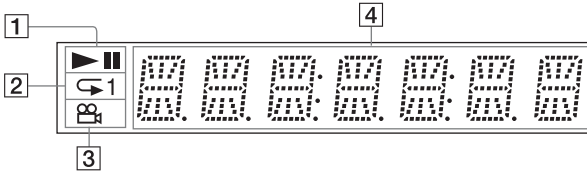
Even if you select “RESET” under “SETUP” in the Control Menu (page 34), the disc tray remains locked.

Rear panel



- 1 HDMI OUT (High-Definition Multimedia Interface out) jack (11, 14)
- 2 DIGITAL OUT (COAXIAL) jack (14)
- 3 LINE OUT L/R (AUDIO) jacks (14)
- 4 LINE OUT (VIDEO) jack (11)
- 5 LINE (RGB) - TV jack (11)
- 6 COMPONENT VIDEO OUT jacks (11)

Front panel display



- 1** ▶ ||
Lights up during playback or pause.
- 2** ↺ 1
Lights up during Repeat Play.
- 3** ⌂
Lights up when you can change the angle.
- 4** **Playback information**
You can view the time and text information by pressing the TIME/TEXT button on the remote repeatedly. The display changes as follows:

When playing a DVD

- Current title playing time
- ↓
- Current title remaining time
- ↓
- Current chapter playing time
- ↓
- Current chapter remaining time
- ↓
- Text
- ↓
- Current title and chapter number
(Returns to top automatically)

When playing music or video files

- Current file*¹ or track*² playing time and number
- ↓
- Current file*¹ or track name/MP3 ID3 track title*²
- ↓
- Current album and file*¹ or track*² number
(Returns to top automatically)

*¹ for video file
*² for music file

When playing a VIDEO CD (without PBC functions) or CD

- Current track playing time and number
- ↓
- Current track remaining time
- ↓
- Disc playing time
- ↓
- Disc remaining time
- ↓
- Text

Hookups and Settings

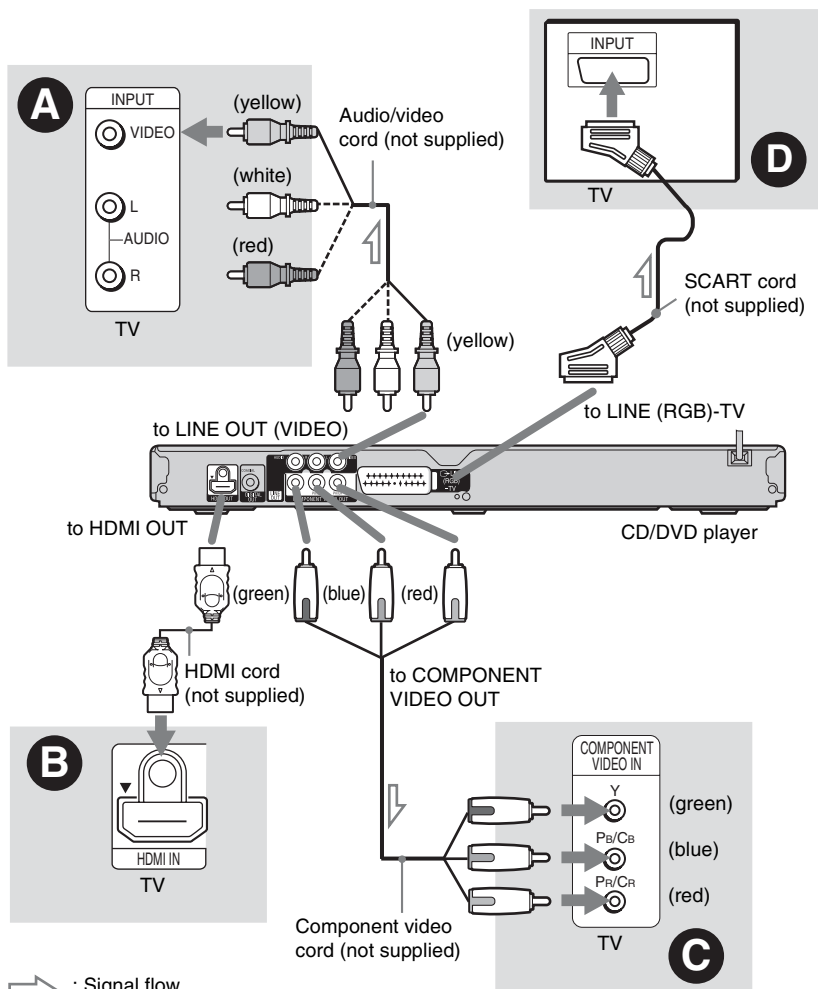
When unpacking, check the supplied accessories by referring to page 47.

- Plug cords securely to prevent unwanted noise.
- Refer to the operating instructions supplied with the components to be connected.
- Be sure to disconnect the mains lead of each component before connecting.

Step 1: Connecting to Your TV

Connect this player to your TV using a video cord. Select one of the patterns **A** through **D**, according to the input jack on your TV.

In order to view progressive signal (525p or 625p) pictures with a compatible TV, you must use pattern **C**. Select pattern **B** when connecting to a TV equipped with HDMI input.





When connecting to a progressive TV, it is recommended that you use only pattern **C**. If you connect to your TV using both **C** and **D**, a special control signal transmitted via the SCART cord may cause the signal to be switched to the SCART jack.

A Video input jack

You will enjoy standard quality images.

B HDMI/DVI input jack

Use a certified Sony HDMI cord to enjoy high quality digital picture and sound through the HDMI OUT jack.

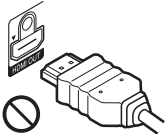
When connecting to a Sony TV that is compatible with the CONTROL FOR HDMI function, see page 13.

When connecting to the HDMI OUT jack

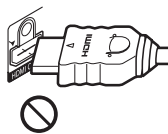
Follow the steps below. Improper handling may damage the HDMI OUT jack and the connector.

1 Carefully align the HDMI OUT jack on the back of the player and the HDMI connector by checking their shapes.

Make sure the connector is not upside down or tilted.



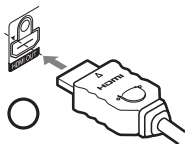
Connector is upside down



Not straight

2 Insert the HDMI connector straight into the HDMI OUT jack.

Do not bend or apply force to the HDMI connector.



To connect to a TV with DVI input

Use an HDMI-DVI converter cord (not supplied). The DVI jack will not accept any audio signals, so you have to use another audio connection in addition to this connection (page 14). Furthermore, you cannot connect the HDMI OUT jack to DVI jacks that are not HDCP compliant (e.g., DVI jacks on PC displays).

C Component video input jacks (Y, P_B/G_B, P_R/G_R)

You will enjoy accurate colour reproduction and high quality images.

D SCART input jack


Be sure to make the connections firmly to avoid hum and noise. When you connect using the SCART cord, check that the TV conforms to RGB signals. Refer to the operating instructions supplied with the TV to be connected. Also, when you set "LINE" to "RGB (COMPONENT OFF)" under "SCREEN SETUP" in the Setup Display (page 35), use a SCART cord that conforms to each signal.

When connecting to a standard 4:3 screen TV

Some images may not fit your TV screen. To change the picture size, see page 35.



- Do not connect more than one type of video cord between the player and your TV at the same time.
- Do not use connections **B** and **D** at the same time.
- Do not connect a VCR, etc., between your TV and the player. If you pass the player signals via the VCR, you may not receive a clear image on the TV screen. If your TV has only one audio/video input jack, connect the player to this jack.


- When you connect the player to your TV via the SCART jack, the TV's input source is set to the player automatically when you start playback. In this case, press TV  (input select) on the remote to return the input to the TV.
- If you set "LINE" in "SCREEN SETUP" to "RGB (COMPONENT OFF)" (page 35), the player outputs no component video signals.
- Be sure to disconnect the HDMI cord when moving the player.
- Do not apply too much pressure to the cabinet wall, if you place the player on the cabinet with the HDMI cord connected. It may damage the HDMI OUT jack or the HDMI cord.
- When connecting or disconnecting, do not screw in or rotate the HDMI connector.

When you play a disc recorded in the NTSC colour system, the player outputs the video signal or the Setup Display etc. in the NTSC colour system and the picture may not appear on the PAL colour system televisions. In this case, open the tray and remove the disc.

About the CONTROL FOR HDMI functions for 'BRAVIA Sync' (for HDMI connections only)

By connecting to Sony components that are compatible with the CONTROL FOR HDMI function with an HDMI cord (not supplied), you can enjoy the following features:

- One-Touch Play (page 19)
- System-Power Off

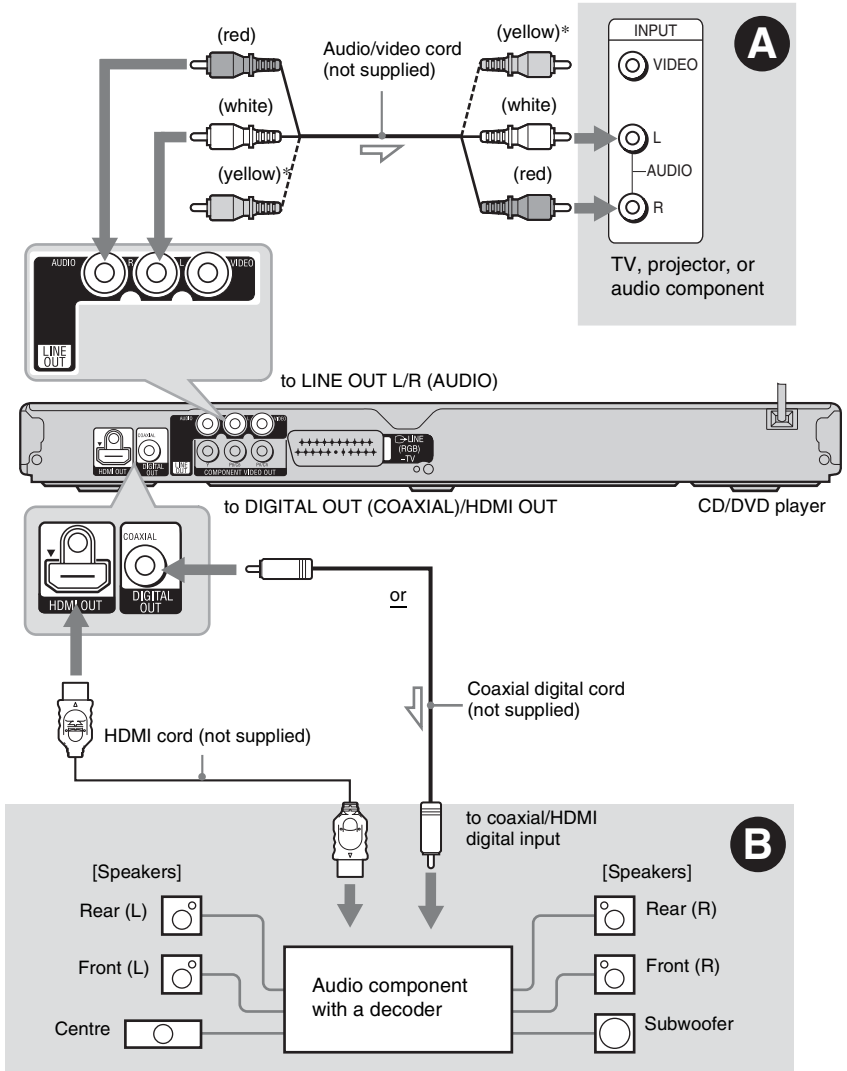
When you turn the TV off by using the  button on the TV's remote, the components compatible with CONTROL FOR HDMI function turn off automatically.



Depending on the connected component, the CONTROL FOR HDMI function may not work. Refer to the operating instructions supplied with the component.

Step 2: Connecting to Your Audio Component

Select one of the following patterns **A** or **B**, according to the input jack on your TV monitor, projector, or audio component such as an AV amplifier (receiver). This will enable you to listen to sound.



* The yellow plug is used for video signals (page 11).



For correct speaker location, see the operating instructions supplied with the connected components.

A Audio L/R input jacks

This connection will use your TV's or audio component's two speakers for sound.

B Digital audio input jack

If your audio component has a Dolby*¹ Digital, DTS*², or MPEG audio decoder and a digital input jack, use this connection. You can enjoy Dolby Digital (5.1ch), DTS (5.1ch), and MPEG audio (5.1ch) surround effect.

If you connect to a Sony audio component that is compatible with the CONTROL FOR HDMI function, refer to the operating instructions supplied with the audio component.

*¹ Manufactured under license from Dolby Laboratories.

Dolby, Pro Logic, and the double-D symbol are trademarks of Dolby Laboratories.

*² Manufactured under license under U.S. Patent #: 5,451,942 & other U.S. and worldwide patents issued & pending. DTS and DTS Digital Out are registered trademarks and the DTS logos and Symbol are trademarks of DTS, Inc. © 1996-2008 DTS, Inc. All Rights Reserved.




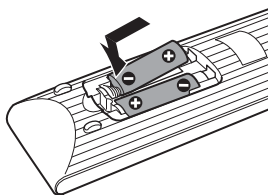
- After you have completed the connection, make the appropriate settings in Quick Setup (page 16). If your audio component has an MPEG audio decoder function, set "MPEG" to "MPEG" in "AUDIO SETUP" (page 39). Otherwise, no sound or a loud noise will come from your speakers.
- The TVS effects of this player cannot be used with this connection.
- When you connect the player to an audio component using an HDMI cord, you will need to do one of the following:
 - Connect the audio component to the TV with the HDMI cord.
 - Connect the player to the TV with a video cord other than HDMI cord (component video cord or audio/video cord).
- When connecting to the HDMI OUT jack, carefully align the HDMI connector with the jack. Do not bend and apply force to the HDMI cord.

Step 3: Connecting the Mains Lead

Plug the player and TV mains lead (power cord) into a mains.

Step 4: Preparing the Remote

Insert two R6 (size AA) batteries by matching the ⊕ and ⊖ ends on the batteries to the markings inside the compartment. When using the remote, point it at the remote sensor  on the player.



- Do not leave the remote in an extremely hot or humid place.
- Do not drop any foreign object into the remote casing, particularly when replacing the batteries.
- Do not expose the remote sensor to direct light from the sun or a lighting apparatus. Doing so may cause a malfunction.
- If you do not use the remote for an extended period of time, remove the batteries to avoid possible damage from battery leakage and corrosion.

Controlling TVs with the remote

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

Available buttons

Depending on the connected unit, you may not be able to control your TV using all or some of the buttons on the supplied remote.

Buttons	Operations
TV I/⏻	Turn the TV on or off
↔ (volume) +/-	Adjust the volume of the TV
TV ↻ (input select)	Switch the TV's input source between the TV and other input sources

To control other TVs with the remote

You can control the volume, input source, and power switch of non-Sony TVs as well. If your TV is listed in the table below, set the appropriate manufacturer's code.



When you replace the batteries of the remote, the code number may be reset to the default setting. 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

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

Manufacturer	Code number
Sony	01 (default)
Hitachi	24
JVC	33
LG/Goldstar	76
Panasonic	17, 49
Philips	06, 08, 72
Samsung	71
Sharp	29
Toshiba	38

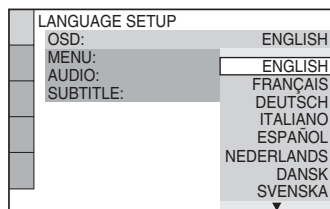
Step 5: Quick Setup

Follow the steps below to make the minimum number of basic adjustments for using the player.

To skip an adjustment, press ►►. To return to the previous adjustment, press ◀◀.

- 1 Turn on the TV then press I/⏻.
- 2 Switch the input selector on your TV so that the signal from the player appears on your TV screen.
"Press [ENTER] to run QUICK SETUP" appears at the bottom of the screen. If this message does not appear, select "QUICK" under "SETUP" in the Control Menu to run Quick Setup (page 22).
- 3 Press ENTER without inserting a disc.

The Language Setup Display appears.

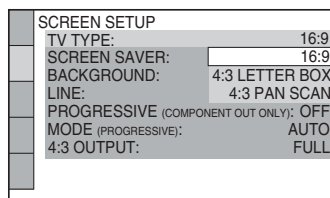


- 4 Press ↑/↓ to select a language.

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

- 5 Press ENTER.

The Screen Setup Display appears.



6 Press \uparrow/\downarrow to select the setting that matches your TV type.

◆ If you have a wide-screen TV or a 4:3 standard TV with a wide-screen mode

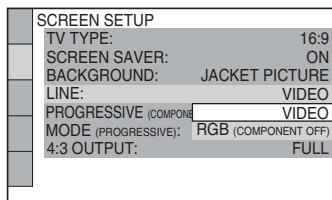
- 16:9 (page 35)

◆ If you have a 4:3 standard TV

- 4:3 LETTER BOX or 4:3 PAN SCAN (page 35)

7 Press ENTER.

The Setup Display for selecting the type of video signal output from the LINE (RGB)-TV jack appears.



8 Press \uparrow/\downarrow to select the type of signal you want to output from the LINE (RGB)-TV jack.

◆ Video signals

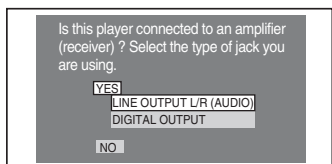
- VIDEO (page 35)

◆ RGB signals

- RGB (COMPONENT OFF) (page 35)

9 Press ENTER.

The Setup Display for selecting the type of jack used to connect your audio component appears.



10 Press \uparrow/\downarrow to select the type of jack (if any) you are using to connect to an audio component, then press ENTER.

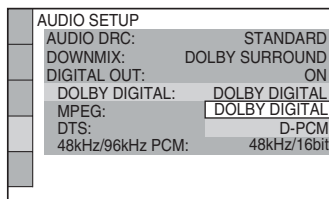
Select "NO," if you do not connect an audio component, then go to step 14.

Select "YES: LINE OUTPUT L/R (AUDIO)," if you connect an audio component using an audio cord, then go to step 14.

Select "YES: DIGITAL OUTPUT," if you connect an audio component using a digital coaxial cord/HDMI cord.

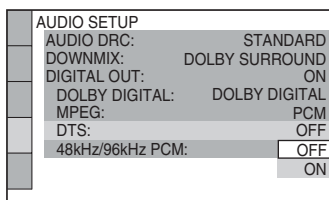
11 Press \uparrow/\downarrow to select the type of Dolby Digital signal to your audio component.

If your audio component has a Dolby Digital decoder, select "DOLBY DIGITAL." Otherwise, select "D-PCM."



12 Press ENTER.

"DTS" is selected.



13 Press \uparrow/\downarrow to select whether or not to send a DTS signal to your audio component.

If your audio component has a DTS decoder, select "ON." Otherwise, select "OFF."

14 Press ENTER.

Quick Setup is finished and connections are complete.

If your audio component has an MPEG audio decoder, set "MPEG" to "MPEG" (page 39).

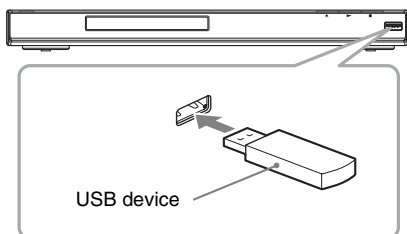


When "PhotoTV HD" mode is activated (page 32), the selection for "TV TYPE" is skipped.

Connecting a USB Device (DVP-NS728H only)

You can connect a USB device to the USB jack of the player to play video, photo, or music files. For a list of USB devices that can be connected to the player, refer “Playable USB Devices” (supplement). For details on playable files, see “Playable Media” page 45.

Refer to the operating instructions supplied with the USB device before connecting it to the player.



To play data files, see “Playing video, photo, and music files from USB device (DVP-NS728H only)” (page 31).

To remove the USB device

Stop playback and disconnect the USB device from the USB jack.



- Take the precaution of backing up important files on the USB device before connecting it to the player.
- Do not forcibly connect the USB device and make sure the plug is oriented correctly.
- Do not connect the player and the USB device through a USB hub.
- Make sure no virus-infected files are contained on a USB device before use.
- This player supports USB Mass Storage Class only.
- This player supports USB device with FAT12, FAT16, or FAT32 format only.
- Some USB devices may not work with this player.

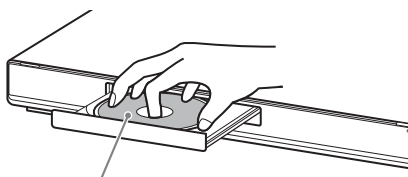
Playback

Playing Discs DVDVideo DVDVR

VCD CD DATA

1 Switch the input selector on your TV so that the signal from the player appears on your TV screen.

2 Press **▲** on the player, and place a disc on the disc tray.



Playback side facing down

3 Press **▶**.

The disc tray closes. The player starts playback (continuous play). Adjust the volume on the TV or the audio component.

Depending on the disc, a menu may appear on the TV screen. For DVD VIDEOS, see page 8. For VIDEO CDs, see page 20.

If a disc is inside the player

Press **▶**.

To stop playback

Press **■**.

To pause playback

Press **⏸**.

One-Touch Play (for HDMI connections only)

With one touch of the **▶** button on the remote, the player and your TV automatically turn on and the TV's input is switched to the player. Playback starts automatically.

The TV's input will also switch to the player automatically, in the following cases:

– You press **▶**, TOP MENU, MENU, or DISPLAY buttons on the remote.

Note that these buttons are not effective when you play audio CD or music files in "MUSIC" mode.

– If a disc with auto play function is loaded.

– If you push the disc tray to close.



You can have the player turned off automatically whenever you leave it in stop mode for more than 30 minutes. To turn this function on or off, set "AUTO POWER OFF" in "CUSTOM SETUP" to "ON" or "OFF" (page 37).



- Depending on the DVD or VIDEO CD, some operations may be different or restricted. Refer to the operating instructions supplied with your disc.
- Discs created on DVD recorders must be correctly finalized before they can be played. For more information about finalizing, refer to the operating instructions supplied with the DVD recorder.

Note on playing DTS sound tracks on a DVD VIDEO

DTS audio signals are output only through the DIGITAL OUT (COAXIAL)/HDMI OUT jack.

To resume playback from the point where you stopped the disc (Multi-disc Resume)

DVDVideo VCD

When you press **▶** again after you stop playback, the player starts playback from the point when you pressed **■**.



- To play from the beginning of the disc, press **■** twice, then press **▶**.
- With DVD VIDEOS and VIDEO CDs, the player stores the point where you stopped the disc for up to 6 discs and resumes playback the next time you insert the same disc. If you store a resume playback point for the seventh disc, the resume playback point for the first disc is deleted.



- "MULTI-DISC RESUME" in "CUSTOM SETUP" must be set to "ON" (default) for this function to work (page 37).
- Resume Play does not work during Shuffle Play and Programme Play.
- With some discs, Resume Play may not work, depending on the point you stop playback, or if you press .

To play VIDEO CDs with PBC functions

(PBC Playback)

PBC (Playback Control) allows you to play VIDEO CDs interactively using the menu on your TV screen.

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

Select an item using the number buttons, and press ENTER. Then, follow the instructions in the menu (press when "Press SELECT" appears).

To return to the menu

Press RETURN.



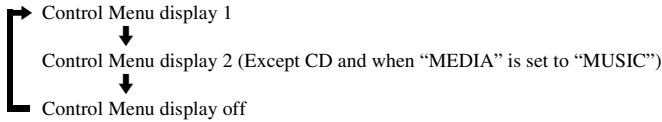
To play without using PBC, press or the number buttons while the player is stopped to select a track, then press or ENTER.

"Play without PBC" appears on the TV screen and the player starts continuous play. You cannot play still pictures such as a menu.

To return to PBC playback, press twice then press .

Control Menu display (Magic Pad)

Use the Control Menu to select a function and to view related information. Press DISPLAY repeatedly to turn on or change the Control Menu display as follows:

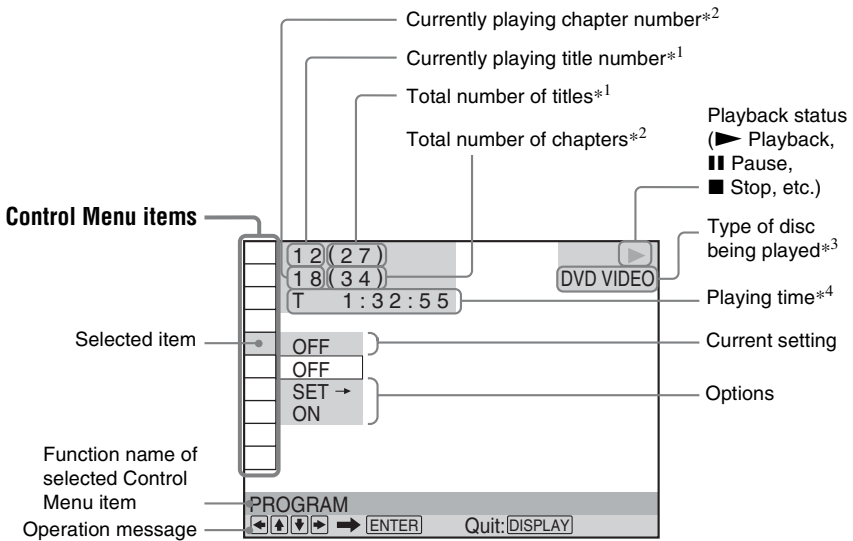


The Control Menu display 1 and 2 will show different items depending on the media type.

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

Press **↑/↓** to select the Control Menu item, then press ENTER.

For details about the item, see "List of Control Menu items" (page 22, 23).










*1 Displays the album number for video, photo, and music files, scene number for VIDEO CDs (PBC is on), and track number for VIDEO CDs/CDs.











*2 Displays the video, photo, music files numbers, and index numbers for VIDEO CDs.

*3 Displays Super VCD as "SVCD."

*4 Displays the date for photo files.

List of Control Menu items

Item	Item Name, Function
	TITLE/SCENE/TRACK
	CHAPTER/INDEX
	TRACK Selects the title, scene, track, chapter, or index to be played. <ol style="list-style-type: none">Press ↑/↓ to select the search method. “** (**)” is selected (** refers to a number).Press ENTER. “** (**)” changes to “-- (**).”Press the number buttons to select the number you want to search.Press ENTER.
	TIME/TEXT Checks the elapsed time and the remaining playback time. Input the time code for picture and music searching (DVD and DivX video files only). <ol style="list-style-type: none">Press ENTER.Input the time code using the number buttons, then press ENTER. For example, to find the scene at 2 hours, 10 minutes, and 20 seconds after the beginning, just enter “2:10:20.” <p>ⓘ You cannot search for a scene on a DVD+RW/DVD+R/DVD+R DL using the time code.</p>
	DISC/USB for DVP-NS728H only (page 31) Selects either USB or DISC playback mode.
	ORIGINAL/PLAY LIST Selects the type of titles (DVD-VR mode) to be played, the ORIGINAL one, or an edited PLAY LIST.
	PROGRAM (page 25) Selects the title, chapter, or track to play in the order you want.

	SHUFFLE (page 26) Plays the title, chapter, or track in random order.
	REPEAT (page 26) Plays all titles/tracks/albums or a single title/chapter/track/album/file repeatedly.
	A-B REPEAT (page 27) Specifies the parts you want to play repeatedly.
	PARENTAL CONTROL (page 29) Set to prohibit playback on this player.
	SETUP (page 16, 34) 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. RESET: Returns the settings in “SETUP” to the default setting.
	ZOOM Magnifies the image up to four times the original size, and scroll using ←/↑/↓/→ . To return to normal view, press CLEAR . This function is available for all pictures except a background image.
	ANGLE Changes the angle.
	CUSTOM PICTURE MODE (page 28) Selects the picture quality that best suits the programme you are watching.
	SHARPNESS (page 28) Exaggerates the outline of the image to produce a sharper picture.
	AV SYNC (page 28) Adjust the delay between the picture and sound.



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” and “MPEG” is set to “PCM” in “AUDIO SETUP” (page 38).

The default setting is underlined.

- OFF

Cancels the setting.

- TVS DYNAMIC THEATER
- TVS DYNAMIC
- TVS WIDE

This mode is 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 dialogue 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.



- When you select one of the TVS modes, turn off the surround setting of the connected TV or audio component.
- The TVS effects do not work when using the Fast Play or Slow Play functions, even though you can change the TVS modes.
- If you use the DIGITAL OUT (COAXIAL)/HDMI OUT jack and set “DOLBY DIGITAL” to “DOLBY DIGITAL,” “MPEG” to “MPEG,” and “DTS” to “ON” in “AUDIO SETUP,” sound will come from your speakers but it will not have the surround effect.



The Control Menu icon indicator lights up in green → when you select any item except “OFF” (“PROGRAM,” “SHUFFLE,” “REPEAT,” “A-B REPEAT,” “SHARPNESS,” “ZOOM,” “TVS” only). The “ORIGINAL/PLAY LIST” indicator lights up in green when you select “PLAY LIST” (default setting). The “ANGLE” indicator lights up in green when you can change the angle. The “CUSTOM PICTURE MODE” indicator lights up in green when any setting other than “STANDARD” is selected. The “AV SYNC” indicator lights up in green when set to more than 0 ms.

◆ Items for DATA discs or USB (DVP-NS728H only)

Item	Item Name, Function
	ALBUM Selects the album that contains music and photo files to be played.
	FILE Selects the photo file to be played.
	ALBUM Selects the album that contains video file to be played.
	FILE Selects the video file to be played.
	DATE Displays the date the picture was taken by a digital camera.
	INTERVAL (page 32) Specifies the duration for which the slides are displayed on the screen.
	EFFECT (page 33) Selects the effects to be used for changing slides during a slide show.
	MEDIA VIDEO: plays video files. PHOTO/MUSIC: plays photo and music files as a slide show. PHOTO (BGM): 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. MUSIC: plays music files.
	<ul style="list-style-type: none"> • For details on playable files, see “Playable Media” page 45. • Depending on the contents, the player will play all files regardless of the “MEDIA” settings.

Guide to the 'BRAVIA Sync' Display

You can control the player by selecting the SYNC MENU button on the TV's remote or TV's option menu.

'BRAVIA Sync' display

The 'BRAVIA Sync' display will show different items depending on the disc type.

Example: 'BRAVIA Sync' display when playing a DVD VIDEO



Select an item using $\leftarrow/\uparrow/\downarrow/\rightarrow$ and then press ENTER.

◆ When playing a DVD VIDEO

Displays MENU and TOP MENU.

◆ When playing in DVD-VR mode

Displays \lll , \ggg , and chapter number.

◆ When playing a CD, VIDEO CD, or Super VCD (without PBC)

Displays \lll , \ggg , and track number.

◆ When playing a VIDEO CD or Super VCD (with PBC) (page 20)

Displays \lll , \ggg , and scene number.

When the disc's menu appears, you can select an item by pressing \uparrow/\downarrow .

◆ When playing video, photo, and music files

Displays MENU and PICT. NAVI (Picture Navigation).

To change the display

Press SYNC MENU on the TV's remote repeatedly to turn or change the display. 'BRAVIA Sync' display and Control Menu are displayed alternately.

To turn off the display

Press RETURN or SYNC MENU button on the TV's remote repeatedly.



You can also control these functions on the player's remote.



- The items in the 'BRAVIA Sync' display have the same functions as the player's remote buttons (page 7).
- You can only use this function if your TV supports the 'BRAVIA Sync'.
- For more details of 'BRAVIA Sync', please refer to the operating instructions supplied with the TV.

Various Play Mode Functions

You can set the following play modes:

- Programme Play (page 25)
- Shuffle Play (page 26)
- Repeat Play (page 26)
- A-B Repeat Play (page 27)



The play mode is cancelled when:

- you open the disc tray.
- you remove the USB device (DVP-NS728H only).
- you press **||** and the player enters standby mode.
- you change the setting of “DISC/USB” (DVP-NS728H only).

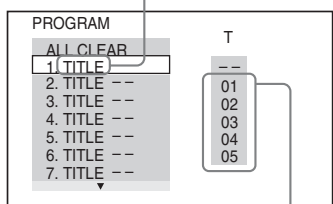
Creating your own programme (Programme Play)

DVD Video VCD CD

You can play the contents in the order you want. You can programme up to 99 titles, chapters, and tracks.

1 After selecting **PROGRAM** on the Control Menu (page 21), press **↑/↓** to select “SET →,” then press **ENTER**.

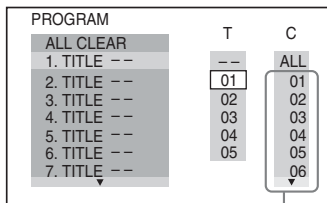
“TRACK” is displayed when you play a VIDEO CD or CD.



Recorded titles or tracks

2 Press **→**.

The cursor moves to the title or track row “T” (in this case, “01”).



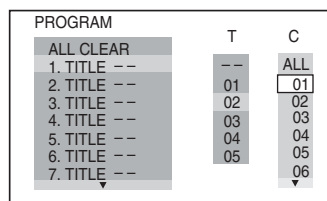
Recorded chapters

3 Select the title, chapter, or track you want to programme.

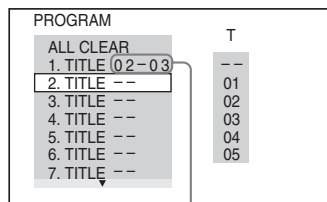
◆ When playing a DVD VIDEO

For example, select chapter “03” of title “02.”

Press **↑/↓** to select “02” under “T,” then press **ENTER**.



Next, press **↑/↓** to select “03” under “C,” then press **ENTER**.

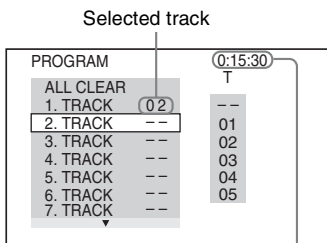


Selected title and chapter

◆ When playing a VIDEO CD or CD

For example, select track “02.”

Press **↑/↓** to select “02” under “T,” then press **ENTER**.




Total time of the programmed tracks

4 Repeat steps 2 to 3, to programme other titles, chapters, or tracks.

The programmed titles, chapters, and tracks are displayed in the selected order.

5 Press .

Programme Play begins.




When the programme ends, you can restart the same programme again by pressing .

To return to normal play

Press CLEAR, or select "OFF" in step 1. To play the same programme again, select "ON" in step 1 and press ENTER.


To change or cancel a programme

1 Follow step 1 of "Creating your own programme (Programme Play)."

2 Select the programme number of the title, chapter, or track you want to change or cancel using  and press . If you want to delete the title, chapter, or track from the programme, press CLEAR.

3 Follow step 3 of "Creating your own programme (Programme Play)" for new programming. To cancel a programme, select "--" under "T," then press ENTER.

To cancel all of the titles, chapters, or tracks in the programmed order

Press  and select "ALL CLEAR" in step 2 of "Creating your own programme (Programme Play)" and press ENTER.



You can perform Repeat Play or Shuffle Play of programmed titles, chapters, or tracks. During Programme Play, follow the steps of Repeat Play (page 26) or Shuffle Play (page 26).



- When you programme tracks on a Super VCD, the total playing time is not displayed.
- You cannot use this function with VIDEO CDs or Super VCDs with PBC playback.

Playing in random order (Shuffle Play)

You can have the player "shuffle" titles, chapters, or tracks. Subsequent "shuffling" may produce a different playing order.

1 After selecting (SHUFFLE) on the Control Menu (page 21), press to select the item to be shuffled.

◆ When playing a DVD VIDEO

- TITLE
- CHAPTER

◆ When playing a VIDEO CD or CD

- TRACK

◆ When Programme Play is activated

- ON: shuffles titles, chapters, or tracks selected in Programme Play


2 Press ENTER.

Shuffle Play starts.

To return to normal play

Press CLEAR, or select "OFF" in step 1.



- You can set Shuffle Play while the player is stopped. After selecting the "SHUFFLE" option, press . Shuffle Play starts.
- Up to 200 chapters in a disc can be played in random order when "CHAPTER" is selected.



You cannot use this function with VIDEO CDs or Super VCDs with PBC playback.

Playing repeatedly

(Repeat Play)

DATA

You can play all of the titles or tracks, or a single title, chapter, or track repeatedly. You can use a combination of Shuffle or Programme Play modes.

1 After selecting (REPEAT) on the Control Menu (page 21), press to select the item to be repeated.

- DISC: repeats all of the titles, tracks, or albums. (Select ORIGINAL or PLAY LIST in DVD-VR mode)
- USB: repeats all albums (DVP-NS728H only)
- TITLE: repeats the current title
- CHAPTER: repeats the current chapter
- TRACK: repeats the current track
- FILE (video files only): repeats the current file
- ALBUM: repeats the current album

◆ When Programme Play or Shuffle Play is activated

- ON: repeats Programme Play or Shuffle Play

2 Press ENTER.

Repeat Play starts.



- A-B Repeat Play does not work across multiple titles.
- You may not set A-B Repeat Play for contents in DVD-VR mode that contains still pictures.

To return to normal play

Press CLEAR, or select "OFF" in step 1.



You cannot use this function with VIDEO CDs or Super VCDs with PBC playback.

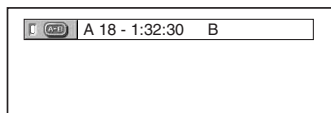
Repeating a specific portion (A-B Repeat Play)

DVDVideo DVDVr VCD CD

You can play a specific portion of a title, chapter, or track repeatedly.

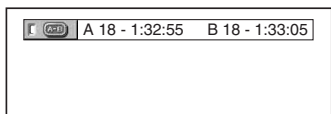
1 After selecting (A-B REPEAT) on the Control Menu (page 21), press \uparrow/\downarrow to select "SET \rightarrow ," then press ENTER.

The "A-B REPEAT" setting bar appears.



2 During playback, when you find the starting point (point A) of the portion to be played repeatedly, press ENTER.

The starting point (point A) is set.



3 When you reach the ending point (point B), press ENTER again.

The set points are displayed and the player starts repeating this specific portion.

To return to normal play

Press CLEAR, or select "OFF" in step 1.

Customizing the Playback Configuration

Adjusting the playback picture (CUSTOM PICTURE MODE)

DVDvideo DVDvr VCD DATA

You can adjust the video signal from the player to obtain the picture quality you want.

1 After selecting (CUSTOM PICTURE MODE) on the Control Menu (page 21), press \uparrow/\downarrow to select the setting you want.

The default setting is underlined.

- **STANDARD**: displays a standard picture
- **DYNAMIC 1**: produces a bold dynamic picture by increasing the picture contrast and the colour intensity
- **DYNAMIC 2**: produces a more dynamic picture than DYNAMIC 1 by further increasing the picture contrast and colour intensity
- **CINEMA 1**: enhances details in dark areas by increasing the black level
- **CINEMA 2**: white colours become brighter and black colours become richer, and the colour contrast is increased
- **MEMORY**→: adjusts the picture in greater detail

PICTURE	Changes the contrast.
BRIGHTNESS	Changes the overall brightness.
COLOR	Makes the colours deeper or lighter.
HUE	Changes the colour balance.

2 Press ENTER.

The selected setting takes effect.



When you watch a movie, "CINEMA 1" or "CINEMA 2" is recommended.



- This function does not work when "PhotoTV HD" mode is activated (page 32).
- This function does not work if your TV supports Theatre mode and it is set to "On." For more details, refer to the operating instructions supplied with the TV.

Sharpening the picture

(SHARPNESS) DVDvideo DVDvr VCD DATA

You can enhance the outlines of images to produce a sharper picture.

1 After selecting (SHARPNESS) on the Control Menu (page 21), press \uparrow/\downarrow to select a level.

The default setting is underlined.

- **OFF**: cancels this option
- **1**: enhances the outline
- **2**: enhances the outline more than 1

2 Press ENTER.

The selected setting takes effect.



- This function does not work when "PhotoTV HD" mode is activated (page 32).
- This function does not work if your TV supports Theatre mode and it is set to "On." For more details, refer to the operating instructions supplied with the TV.

Adjusting the delay between the picture and sound

(AV SYNC) DVDvideo DVDvr VCD DATA

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

1 After selecting (AV SYNC) on the Control Menu (page 21), press \rightarrow to select "SET \rightarrow ," 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.




- This function is not effective if you use the DIGITAL OUT (COAXIAL) jack, and set “DOLBY DIGITAL,” “MPEG,” or “DTS” in “AUDIO SETUP” to “DOLBY DIGITAL,” “MPEG,” or “ON” respectively (page 38).
- This function is not effective if you connect a Dolby Digital or DTS-compliant device via the HDMI OUT jack, and set “DOLBY DIGITAL,” “MPEG,” or “DTS” in “AUDIO SETUP” to “DOLBY DIGITAL,” “MPEG,” or “ON” respectively (page 38).
- For DATA disc or USB (DVP-NS728H only), this function works for video files only.

Locking discs (PARENTAL CONTROL)

You can set two kinds of playback restrictions as following:

- Custom Parental Control
- Parental Control

After selecting  (PARENTAL CONTROL) on the Control Menu (page 21), the options appear as shown below. Select the option you want.

The default setting is underlined.


- ON →: Sets the playback restrictions so that the player will not play inappropriate discs (Custom Parental Control)
- 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). See “Parental Control (limited playback)” (page 29) for detailed settings
- PASSWORD →: Enter a 4-digit password using the number buttons. The same password is used for both Custom Parental Control and Parental Control. Also use this menu to change the password

- OFF →: Turns off the Custom Parental Control function

Parental Control (limited playback)



You can set a playback limitation level.

- 1 After selecting  (PARENTAL CONTROL) on the Control Menu (page 21), press ↑/↓ to select “PLAYER →,” then press ENTER.
The password is required.
- 2 Enter or re-enter your 4-digit password using the number buttons, then press ENTER.
The display for setting the playback limitation level appears.
- 3 Press ↑/↓ to select “STANDARD,” then press ENTER.
The selection items for “STANDARD” are displayed.
- 4 Press ↑/↓ to select a geographic area as the playback limitation level, then press ENTER.
The area is selected.
When you select “OTHERS →,” select and enter a standard code in the table on page 48 using the number buttons.
- 5 Press ↑/↓ to select “LEVEL,” then press ENTER.
The selection items for “LEVEL” are displayed.
- 6 Select the level you want using ↑/↓, 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, remove the disc and repeat step 1 of “Parental Control (limited playback).” When you are asked to enter your password, enter “199703” using the number buttons, then press ENTER. 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 player and press ►. When the display for entering your password appears, enter your new password.



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 cancelled, the level returns to the previous level.

Playing Video, Photo, and Music Files **DATA**

The player can play video, photo, or music files. For details on playable files, see “Playable Media” page 45.



DATA CDs recorded in KODAK Picture CD format automatically start playing when inserted.

1 Press **MENU**.

The list of albums appears.

2 Press **↑/↓** to select the album.

3 Press **▶**.

Playback starts from the selected album.

To select a specific video or music file, press **ENTER** and press **↑/↓** to select a track or file, and then press **ENTER**.

To select a specific photo file, see “Selecting a photo file” (page 31).

To stop playback

Press **■**.

To go to the next or previous page

Press **→** or **←**.

To return to the previous display

Press **↶** RETURN.

To go to the next or previous music and video files

Press **▶▶** or **◀◀** during playback.

Note that you cannot return to the previous album by using **◀◀**, and that you need to select the previous album from the album list.

To turn the display on or off

Press **MENU** repeatedly.

To play music with lyrics

Press **SUBTITLE** while playing music files that contain unsynchronized lyric information. To display next/previous line, press **↑/↓**.



- By setting “MEDIA” to “PHOTO/MUSIC,” you can view a slideshow with sound when the music and photo files are placed in the same album.
- Set “MEDIA” to “MUSIC” to enable lyrics function.
- Depending on the contents, the player will play all files regardless of the “MEDIA” settings.
- If the number of viewing times is preset, you can play DivX video files as many times as the preset number. The following occurrences are counted:
 - when the disc tray is opened.
 - when another file is played.
 - when “DISC/USB” (DVP-NS728H only) or “MEDIA” settings are changed.



The player supports MP3 ID3 Lyrics only.

Playing video, photo, and music files from USB device (DVP-NS728H only)

1 After connecting the USB device (page 18), select  (DISC/USB) on the Control Menu (page 21).

2 Press **ENTER**.

The default setting is underlined.

- DISC: Plays files from a disc
- USB: Plays files from a USB device

3 Select **USB** and follow step 3 of “Playing Video, Photo, and Music Files” (page 30) to start playback.

You can change to DISC mode automatically by pressing **▲** without turning on the Control Menu display. Press **▶** to start disc playback.



- For some device, LUN (Logical Unit Number) may appear. To change the LUN or original storage, press **||▶ ●▶** when the list of albums or tracks is displayed.
- If the number of viewing times is preset, you can play DivX video files as many times as the preset number. The following occurrences are counted:
 - when **▲** is pressed.
 - when another file is played.

- when the player is turned off. This includes when the player is automatically turned off by the Auto Power Off function. Press **||** instead of **■** to stop viewing.
- when USB device is removed.
- when “DISC/USB” or “MEDIA” settings are changed.

Selecting a photo file

1 Press **MENU**.

The list of albums appears.

2 Press **↑/↓** to select the album, then press **PICTURE NAVI**.

The image files in the album appear in 16 subscreens. A scroll box is displayed on the right.

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

To display additional images, select a bottom image and press **↓**. To return to a previous image, select a top image and press **↑**.

3 Press **←/↑/↓/→** to select the image you want to view, and press **ENTER**.

The selected image appears.

To go to the next or previous photo file

Press **←** or **→** during playback.

Note that you cannot return to the previous album by using **←**. Select the previous album from the album list.

To rotate a photo image


Press **↑/↓** while viewing the image. Each time you press **↑**, the image rotates counterclockwise by 90 degrees.


To return to normal view, press **CLEAR**.

Note that the view also returns to normal if you press **←/→** to go to the next or previous image.

To display photo information

Press **SUBTITLE** while viewing photo files. The detailed information for the selected photo file appears.

 is displayed when the picture was taken using flash.

 is displayed when the image is automatically rotated.

To hide the information, press **SUBTITLE**. Note that the above information may not appear depending on the digital camera.

To stop viewing the photo

Press **■**.



PICTURE NAVI does not work if "MUSIC" is selected in "MEDIA" (page 23).

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 by the following connection and setting.

1 Connect the player to the TV using an HDMI cord (not supplied).

2 Set the TV's video setting to "Video-A" mode.

For details about "Video-A," refer to the operating instructions supplied with the TV.

3 Set "JPEG RESOLUTION" to "PhotoTV HD" in "HDMI SETUP" (page 40).

On "PhotoTV HD"

"PhotoTV HD" allows for highly-detailed pictures, and photo-like expression of subtle textures and colors. By connecting Sony "PhotoTV HD" compatible devices using an HDMI cord, whole new world of photos can be enjoyed in breathtaking Full HD quality. For instance, the delicate texture of the human skin, flowers, sand, and waves can now be displayed on a large screen in beautiful photo-like quality.



- By connecting to a Sony "PhotoTV HD" compatible device using an HDMI cord, the TV will set the optimal image quality for viewing still picture automatically. For more details, refer to the operating instructions supplied with the TV.
- "PhotoTV HD" is activated when "JPEG RESOLUTION" is set to "PhotoTV HD," photo playback is available, and the player is connected to a TV by HDMI cord.
- You cannot select "CUSTOM PICTURE MODE" and "SHARPNESS," when "PhotoTV HD" mode is activated.
- When "PhotoTV HD" mode is activated, the player changes video signal output from "HDMI RESOLUTION" to "1920x1080i," "TV TYPE" to "16:9," and "YCbCr/RGB (HDMI)" to "YCbCr" automatically even though the current settings are kept.
- You cannot select "HDMI RESOLUTION" or "YCbCr/RGB (HDMI)" in "HDMI SETUP" (page 40), or "TV TYPE" in "SCREEN SETUP" (page 35), when "PhotoTV HD" mode is activated.
- If you set "PhotoTV HD" mode, the effect, rotation and zoom functions are not available.
- When "PhotoTV HD" mode is activated, the selection for "TV TYPE" is skipped during Quick Setup (page 16).

Setting the pace for a slide show (INTERVAL)

You can set the time the slides are displayed on the screen.

1 After selecting  (INTERVAL) on the Control Menu (page 21), press **↑/↓** to select a setting.

The default setting is underlined.

- NORMAL: sets to standard duration
- FAST: sets a duration shorter than NORMAL
- SLOW 1: sets a duration longer than NORMAL
- SLOW 2: sets a duration longer than SLOW 1

2 Press **ENTER**.



Duration of interval depends on "JPEG RESOLUTION" setting in "HDMI SETUP" (page 40).

Selecting the slides' appearance (EFFECT)

You can select the way the slides are displayed during a slide show.

1 After selecting (EFFECT) on the Control Menu (page 21), press **↑/↓** to select a setting.

The default setting is underlined.

- MODE 1: the images randomly cycle through the effects
- MODE 2: the next image sweeps in from top left to bottom right
- MODE 3: the image sweeps in from top to bottom
- MODE 4: the image sweeps in from left to right
- MODE 5: the image stretches out from the centre of the screen
- OFF: turns off this function

2 Press **ENTER**.



- Note that this setting does not work if the JPEG file has rotation information.
- Depending on the "JPEG RESOLUTION" setting (page 40), some effect may not function.

Using the Setup Display

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

For details on each Setup Display item, see pages from 34 to 41.



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

1 Press **DISPLAY** when the player is in stop mode.

The Control Menu appears.

2 Press **↑/↓** to select (SETUP), then press **ENTER**.

The options for “SETUP” appear.

- **QUICK:** makes the basic adjustments (page 16)
- **CUSTOM:** makes various adjustments
- **RESET:** resets all the settings explained on pages 34 to 41

3 Press **↑/↓** to select “CUSTOM,” then press **ENTER**.

The Setup Display appears.

Select the setup category and adjust each item following the instructions on pages 34 to 41.

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



LANGUAGE SETUP

You can set various languages for the on-screen display or sound track.

◆ **OSD (On-Screen Display)**

Switches the display language on the screen.

◆ **MENU (DVD VIDEO only)**

You can select the desired language for the disc’s menu.

◆ **AUDIO (DVD VIDEO only)**

Switches the language of the sound track. When you select “ORIGINAL,” the language given priority in the disc is selected.

◆ **SUBTITLE (DVD VIDEO only)**

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.



If you select “OTHERS →” in “MENU,” “SUBTITLE,” or “AUDIO,” select and enter a language code from “Language Code List” on page 48 using the number buttons.



If you select a language in “MENU,” “SUBTITLE,” or “AUDIO” that is not recorded on a DVD VIDEO, one of the recorded languages will be automatically selected.



SCREEN SETUP

Choose settings according to the TV to be connected.

The default settings are underlined.

◆ TV TYPE

Selects the aspect ratio of the connected TV (4:3 standard or wide).

You cannot select this when "PhotoTV HD" mode is activated (page 32).

<u>16:9</u>	Select this when connecting to a wide-screen TV or a TV with a wide mode function.
4:3 LETTER BOX	Select this when connecting to a 4:3 screen TV. Displays a wide picture with bands on the upper and lower portions of the screen.
4:3 PAN SCAN	Select this when connecting to a 4:3 screen TV. Automatically displays the wide picture on the entire screen and cuts off the portions that do not fit.

16:9



4:3 LETTER BOX



4:3 PAN SCAN



Depending on the DVD, "4:3 LETTER BOX" may be selected automatically instead of "4:3 PAN SCAN" or vice versa.

◆ SCREEN SAVER

The screen saver image appears when the player is in pause or stop mode for 15 minutes, or when you play a CD, or music files for more than 15 minutes. The screen saver will help prevent your display device from

becoming damaged (ghosting). Press ► to turn off the screen saver.

<u>ON</u>	Turns on the screen saver.
OFF	Turns off the screen saver.

◆ BACKGROUND

Selects the background colour or picture on the TV screen when the player is in stop mode or while playing a CD, or music files.

<u>JACKET PICTURE</u>	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 player appears.
BLUE	The background colour is blue.
BLACK	The background colour is black.

◆ LINE

Selects video signals output from the LINE (RGB)-TV jack on the rear panel of the player.

<u>VIDEO</u>	Outputs video signals.
RGB (COMPONENT OFF)	Outputs RGB signals and no component video signals.



- If your TV does not accept the RGB signals, no picture will appear on the TV screen, even if you select "RGB (COMPONENT OFF)". Refer to the operating instructions supplied with your TV.
- If you set "LINE" to "RGB (COMPONENT OFF)" in progressive mode, "PROGRESSIVE (COMPONENT OUT ONLY)" will change from "ON" to "OFF."

◆ PROGRESSIVE (COMPONENT OUT ONLY)

If your TV accepts progressive (525p/625p) format signals, set "PROGRESSIVE (COMPONENT OUT ONLY)" to "ON."

Note that you must connect to a progressive format TV using the COMPONENT VIDEO OUT jacks (page 11).

<u>OFF</u>	To output normal (interlace) signals.
ON	To output progressive signals.

To output progressive signals

- 1 Select "PROGRESSIVE (COMPONENT OUT ONLY)," and press ENTER.
- 2 Select "ON," and press ENTER. The display asks for confirmation.
- 3 Select "Start," and press ENTER. The video switches to a progressive signal for 5 seconds.
- 4 If the picture appears normal, select "YES," and press ENTER. If not, select "NO," and press ENTER.

To reset the setting

If the picture does not appear normal or goes blank, 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.

◆ MODE (PROGRESSIVE)

In order for these images to appear natural on your screen when output in progressive mode, the progressive video signal needs to be converted to match the type of DVD software that you are watching.

This setting is effective only when you set "PROGRESSIVE (COMPONENT OUT ONLY)" in "SCREEN SETUP" to "ON."

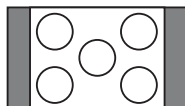
<u>AUTO</u>	Automatically detects the software type (film-based or video-based) and selects the appropriate conversion mode. Normally, select this position.
VIDEO	Fixes the conversion mode to the mode for video-based software.

◆ 4:3 OUTPUT

This setting is effective only when you set "TV TYPE" in "SCREEN SETUP" to

"16:9." Adjust this to watch 4:3 aspect ratio. If you can change the aspect ratio on your TV, change the setting on your TV, not the player.

<u>FULL</u>	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. Shows a 16:9 aspect ratio signal with black bands on left and right sides of the image.



16:9 aspect ratio TV



CUSTOM SETUP

Use this to set up playback related and other settings.

The default settings are underlined.

◆ AUTO POWER OFF

Switches the Auto Power Off setting on or off.

<u>ON</u>	The player enters standby mode when left in stop mode for more than 30 minutes.
OFF	Switches this function off.

◆ AUTO PLAY

Switches the Auto Play setting on or off. This function is useful when the player is connected to a timer (not supplied).

<u>OFF</u>	Switches this function off.
ON	Automatically starts playback when the player is turned on by a timer (not supplied).

◆ DIMMER

Adjusts the lighting of the front panel display.

<u>BRIGHT</u>	Makes the lighting bright.
DARK	Makes the lighting dark.
AUTO DARK	Makes the lighting dark if you do not operate the player or remote for a short while.

◆ PAUSE MODE (DVDs only)

Selects the picture in pause mode.

<u>AUTO</u>	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.

◆ TRACK SELECTION (DVD VIDEO only)

Gives the sound track which contains the highest number of channels priority when you play a DVD VIDEO on which multiple audio formats (PCM, MPEG audio, DTS, or Dolby Digital format) are recorded.

<u>OFF</u>	No priority given.
AUTO	Priority given.



- 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 34).
- If you set "DTS" to "OFF" (page 39), the DTS sound track is not played even if you set "TRACK SELECTION" to "AUTO."
- If PCM, DTS, MPEG audio, and Dolby Digital sound tracks have the same number of channels, the player selects PCM, DTS, MPEG audio, and Dolby Digital sound tracks in this order.

◆ MULTI-DISC RESUME (DVD VIDEO/VIDEO CD only)

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 (page 19).

<u>ON</u>	Stores the resume setting in memory for up to 6 discs.
OFF	Does not store the resume setting in memory. Playback restarts at the resume point only for the current disc in the player.



If you run Quick Setup, Multi-disc Resume setting stored in memory may return to the default settings.

◆ DivX

Displays the registration code for this player. For more information, go to <http://www.divx.com/vod> on the Internet.



AUDIO SETUP

You can set the sound according to the playback and connection conditions.

The default settings are underlined.

◆ AUDIO DRC (Dynamic Range Control) (DVDs only)

Makes the sound clear when the volume is turned down when playing a DVD that conforms to "AUDIO DRC."

This function affects the output from the following jacks:

- LINE OUT L/R (AUDIO) jacks.
- LINE (RGB)-TV jack.
- DIGITAL OUT (COAXIAL)/HDMI OUT jack only when "DOLBY DIGITAL" is set to "D-PCM" (page 38).

<u>STANDARD</u>	Normally, select this position.
TV MODE	Makes low sounds clear even if you turn the volume down.
WIDE RANGE	Gives you the feeling of being at a live performance.

◆ DOWNMIX (DVDs only)

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. This function affects the output of the following jacks:

- LINE OUT L/R (AUDIO) jacks.
- LINE (RGB)-TV jack.
- DIGITAL OUT (COAXIAL)/HDMI OUT jack when "DOLBY DIGITAL" is set to "D-PCM" (page 38).

<u>DOLBY SUR-ROUND</u>	Normally, select this position. Multi-channel audio signals are output to 2 channels for enjoying surround sounds.
NORMAL	Multi-channel audio signals are downmixed to 2 channels for use with your stereo.

◆ DIGITAL OUT

Selects if audio signals are output via the DIGITAL OUT (COAXIAL)/HDMI OUT jack.

<u>ON</u>	Normally, select this position. When you select "ON," see "Setting the digital output signal" for further settings.
OFF	The influence of the digital circuit upon the analogue circuit is minimal.

Setting the digital output signal

Switches the method of outputting audio signals when you connect a component such as an audio component or MD deck with a digital input jack.

For connection details, see page 14.

Select "DOLBY DIGITAL," "MPEG," "DTS," and "48kHz/96kHz PCM" after setting "DIGITAL OUT" to "ON."

If you connect a component that is incompatible with the selected audio signal, a loud noise (or no sound) may be heard from the speakers, risking damage to your ears or speakers.



- The AV SYNC function (page 28) is not effective if you use the DIGITAL OUT (COAXIAL) jack, and set "DOLBY DIGITAL," "MPEG" or "DTS" to "DOLBY DIGITAL," "MPEG" or "ON" respectively.
- The AV SYNC function (page 28) is not effective if you connect a Dolby Digital or DTS-compliant device via the HDMI OUT jack, and set "DOLBY DIGITAL," "MPEG" or "DTS" to "DOLBY DIGITAL," "MPEG" or "ON" respectively.

◆ DOLBY DIGITAL (DVDs only)

Selects the type of Dolby Digital signal.

<u>DOLBY DIGITAL</u>	Select this when the player is connected to an audio component with a built-in Dolby Digital decoder.
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D-PCM	Select this when the player is connected to an audio component without a built-in Dolby Digital decoder. You can select whether the signals conform to Dolby Surround (Pro Logic) or not by making adjustments to the "DOWNMIX" item in "AUDIO SETUP" (page 38).
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If the HDMI OUT jack is connected to equipment not compatible with DOLBY DIGITAL signals, the "D-PCM" signals will be automatically output even when you select "DOLBY DIGITAL."

◆ MPEG (DVDs only)

Selects the type of MPEG audio signal.

PCM	Select this when the player is connected to an audio component without a built-in MPEG decoder. If you play multi-channel MPEG audio sound tracks, only the Front (L) and Front (R) signals will be output from your two front speakers.
MPEG	Select this when the player is connected to an audio component with a built-in MPEG decoder.



If the HDMI OUT jack is connected to equipment not compatible with MPEG audio signal, the "PCM" signals will be automatically output even when you select "MPEG."

◆ DTS

Selects the type of DTS audio signals.

OFF	Select this when the player is connected to an audio component without a built-in DTS decoder.
ON	Select this when the player is connected to an audio component with a built-in DTS decoder.



- When you play a DVD VIDEO with DTS sound tracks, set "DTS" to "ON" in "AUDIO SETUP" (page 39).
- If you connect the player to audio equipment without a DTS decoder, do not set "DTS" to "ON" in "AUDIO SETUP" (page 39). A loud noise may come out from the speakers, affecting your ears or causing the speakers to be damaged.
- If the HDMI OUT jack is connected to equipment not compatible with DTS signals, the "OFF" signals will be automatically output even when you select "ON."

◆ 48kHz/96kHz PCM (DVD VIDEO only)

Selects the sampling frequency of the audio signal.

48kHz/16bit	The audio signals of DVD VIDEOS are always converted to 48kHz/16bit.
96kHz/24bit	All types of signals including 96kHz/24bit are output in their original format. However, if the signal is encrypted for copyright protection purposes, the signal is only output as 48kHz/16bit.



- The analogue audio signals from the LINE OUT L/R (AUDIO) jacks are not affected by this setting and keep their original sampling frequency level.
- If the HDMI OUT jack is connected to equipment not compatible with 96 kHz/24 bit signals, 48 kHz/16 bit PCM will be automatically output even when you select "96kHz/24bit."



HDMI SETUP

You can adjust items related to the HDMI connection.

The default settings are underlined.

◆ HDMI RESOLUTION

Selects the type of video signals output from the HDMI OUT jack. When you select AUTO (1920×1080p) (default), the player outputs video signals of the highest resolution acceptable for your TV. If the picture is not clear, natural or to your satisfaction, try another option that suits the disc and your TV/projector, etc. For details, refer also to the instruction manual supplied with the TV/projector, etc.

You cannot select this when “PhotoTV HD” mode is activated (page 32).

<u>AUTO</u> <u>(1920×1080p)</u>	Normally, select this.
1920×1080i	Sends 1920×1080i video signals.
1280×720p	Sends 1280×720p video signals.
720×480/576p	Sends 720×480/576p video signals.

To reset the setting

If the picture does not appear normal or goes blank, 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.



In case of “AUTO (1920×1080p),” the player automatically adjusts the video signals that are suitable for the TV.

Other cases, the player directly send the signal even if TV cannot accept.

◆ JPEG RESOLUTION

Selects the type of JPEG resolution so that you can enjoy high picture quality via your HDMI connection.

You cannot select this when “HDMI RESOLUTION” is set to “720×480/576p” or “TV TYPE” is set to “4:3 LETTER BOX” or “4:3 PAN SCAN.”

PhotoTV HD	Displays extra highly-detailed picture when connecting to a Sony’s “PhotoTV HD”-compatible device.
SD <input type="checkbox"/>	Displays standard definition picture with black frame.
<u>HD</u> <input type="checkbox"/>	Displays high definition picture with black frame.
HD	Displays high definition picture without black frame.
(1920×1080i) HD <input type="checkbox"/>	Displays high definition picture with black frame at 1920×1080 pixels.
(1920×1080i) HD	Displays high definition picture without black frame at 1920×1080 pixels.



- “(1920×1080i) HD ” and “(1920×1080i) HD” are effective only when you set “HDMI RESOLUTION” to “1920×1080i” and “TV TYPE” to “16:9.”
- If you set this setting to “PhotoTV HD,” “(1920×1080i) HD ” or “(1920×1080i) HD,” effect, rotation, and zoom function are not available.
- If you want to use effect, rotation, and zoom function; sets this setting to “SD ,” “HD ,” or “HD.”
- If you set this setting to “PhotoTV HD,” “(1920×1080i) HD ” or “(1920×1080i) HD,” next image appears after black mute.
- HDMI signal will stop momentarily during loading or unloading DATA disc or USB (DVP-NS728H only).
- When you set to “PhotoTV HD,” the player changes video signal output from “HDMI RESOLUTION” to “1920×1080i,” “TV TYPE” to “16:9,” and “YCbCr/RGB (HDMI)” to “YCbCr” automatically even though the current settings are kept.
- Set this setting to “SD ,” when you want to view photo files in analogue video outputs with the HDMI connection.

◆ YCbCr/RGB (HDMI)

Selects the type of HDMI signal output from HDMI OUT jack.

You cannot select this when “PhotoTV HD” mode is activated (page 32).

<u>YCbCr</u>	Outputs YCbCr signals.
RGB	Outputs RGB signals.



- If the playback picture becomes distorted, set this setting to “RGB.”
- If the HDMI OUT jack is connected to equipment with a DVI jack, “RGB” signals will be automatically output even when you select “YCbCr.”

◆ AUDIO (HDMI)

Selects the type of audio signal output from the HDMI OUT jack.

<u>AUTO</u>	Normally, select this. Outputs audio signals according to the “DIGITAL OUT” settings (page 38).
PCM	Converts Dolby Digital, MPEG, or 96 kHz/24 bit PCM signals to 48 kHz/16 bit PCM.



A loud noise (or no sound) will be output if you connect the player to a TV that is not compatible with DOLBY DIGITAL/DTS/MPEG signals and “AUTO” is selected. In this case, select “PCM.”

◆ CONTROL FOR HDMI

Switches the Control For HDMI setting on or off.

<u>ON</u>	Allows you to use the CONTROL FOR HDMI features (page 13).
OFF	Switches this function off.

◆ LANGUAGE FOLLOW

Switches the languages of the DVD player to the same as the current TV OSD language.

You cannot select this when “CONTROL FOR HDMI” is set to “OFF.”

<u>ON</u>	Switches this function on.
OFF	Switches this function off.



- Turn off any display before using this function.
- The OSD language for player keeps if the TV’s language cannot be supported.

Troubleshooting

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.

Power

The power is not turned on.

- ➔ Check that the mains lead is connected securely.

Picture

There is no picture/picture noise appears.

- ➔ Re-connect the connecting cord securely.
- ➔ The connecting cords are damaged.
- ➔ Check the connection to your TV (page 11) and switch the input selector on your TV so that the signal from the player appears on the TV screen.
- ➔ Set "LINE" in "SCREEN SETUP" to an item appropriate for your TV (page 35).
- ➔ The disc is dirty or flawed.
- ➔ The disc is recorded in a colour system that is different from your TV.
- ➔ You set the "PROGRESSIVE (COMPONENT OUT ONLY)" to "ON" in "SCREEN SETUP" (page 35) even though your TV cannot accept the progressive signal. In this case, refer to page 36 to reset the setting.
- ➔ Even if your TV is compatible with progressive format 525p/625p signals and connected using COMPONENT VIDEO OUT jacks, the image may be affected when you set the player to progressive format. In this case, set the "PROGRESSIVE (COMPONENT OUT ONLY)" in "SCREEN SETUP" to "OFF" (page 35) so that the player is set to normal (interlace) format.
- ➔ If you set "LINE" to "RGB (COMPONENT OFF)" in "SCREEN SETUP" (page 35), the player outputs no component video signals.
- ➔ The player is connected to an input device that is not HDCP compliant. See page 12.

- ➔ If the HDMI OUT jack is used for video output, changing the "HDMI RESOLUTION" setting in "HDMI SETUP" may solve the problem (page 40). Connect the TV and the player 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 "HDMI RESOLUTION" setting in "HDMI SETUP," and switch the TV's input back to HDMI. If the picture still does not appear, repeat the steps and try other options.
- ➔ Press $\text{I/}\odot$ to turn off the player, and enter "369" using the number buttons on the remote, then press $\text{I/}\odot$ to turn on the player again (page 40).

There is no picture/picture noise appears when connected to the HDMI OUT jack.

- ➔ 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.

The picture is black and white.

- ➔ Set "LINE" in "SCREEN SETUP" to an item appropriate for your TV (page 35).
- ➔ Depending on the TV, the picture on the screen becomes black and white when you play a disc recorded in the NTSC colour system.
- ➔ If you are using a SCART cord, be sure to use one that is fully wired (21-pins).

Sound

There is no sound.

- ➔ Re-connect the connecting cord securely.
- ➔ The connecting cord is damaged.
- ➔ The player is connected to the wrong input jack on the audio component (page 14).
- ➔ The audio component input is not correctly set.
- ➔ The player is in pause mode or in Slow-motion Play mode.
- ➔ The player is in fast forward or fast reverse mode.
- ➔ If the audio signal does not come through the DIGITAL OUT (COAXIAL)/HDMI OUT jack, check the audio settings (page 38).
- ➔ While 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." Press AUDIO to select the recorded track.

- ➔ When playing multichannel MPEG audio sound tracks, only the Front (L) and Front (R) signals will be output from two front speakers.
- ➔ 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" (page 40).

No sound is output from the HDMI OUT jack

- ➔ 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.
- ➔ The HDMI OUT jack is connected to a DVI device (DVI jacks do not accept audio signals).

The sound volume is low.

- ➔ The sound volume is low on some DVDs. The sound volume may improve if you set "AUDIO DRC" in "AUDIO SETUP" to "TV MODE" (page 38).

Operation

The remote does not function.

- ➔ The batteries in the remote are weak.
- ➔ There are obstacles between the remote and the player.
- ➔ The distance between the remote and the player is too far.
- ➔ The remote is not pointed at the remote sensor on the player.

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 (page 3).
- ➔ The region code on the DVD does not match the player.
- ➔ Moisture has condensed inside the player (page 4).
- ➔ The player cannot play a recorded disc that is not correctly finalized (page 46).

The album/track/file names are not displayed correctly.

- ➔ The player can only display numbers and alphabet. Other characters are displayed as "⌘".

The disc does not start playing from the beginning.

- ➔ Programme Play, Shuffle Play, Repeat Play, or A-B Repeat Play is selected (page 25).
- ➔ Resume play has taken effect (page 19).

"Copyright lock" appears and the screen turns blue when playing in DVD-VR mode.

- ➔ Images taken from digital broadcasts, etc., may contain copy protection signals, such as complete copy protection signals, single copy signals, and restriction-free signals. When images that contain copy protection signals are played, a blue screen may appear instead of the images. It may take a while when looking for playable images. (For player that cannot play images that contain a copy protection only)

Some functions such as Stop, Fast Play, Slow Play, Slow-motion Play, Repeat Play, Shuffle Play, or Programme Play cannot be performed.

- ➔ Depending on the disc, you may not be able to do some of the operations above.

The player does not operate properly.

- ➔ When static electricity, etc., causes the player to operate abnormally, unplug the player.

5 numbers or letters are displayed on the screen.

- ➔ The self-diagnosis function was activated. (See the table on page 44.)

The disc tray does not open and "LOCKED" appears on the front panel display.

- ➔ Child Lock is set (page 9).

The disc tray does not open and "TRAY LOCKED" appears on the front panel display.

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

"Data error" appears on the TV screen when playing video, photo, and music files.

- ➔ The video, photo, and music files you want to play is broken.

The CONTROL FOR HDMI function does not work.

- ➔ Make sure that the connected component is compatible with the CONTROL FOR HDMI function. Please refer to the operating instructions of the component for detailed explanation.
- ➔ Make sure that the TV's input is switched to DVD player so that the signal from the player appears on the TV screen, and "CONTROL FOR HDMI" is set to "ON" (page 41).

'BRAVIA Sync' display does not appear.

- ➔ Turn off any display of the DVD player displays. Then, try again.
- ➔ Please return to the one screen mode if your TV is in two screen mode. Then, try again.

Your TV automatically turns on or the TV's input is switched to the player.

- ➔ "CONTROL FOR HDMI" is set to "ON" (page 41). Switch this function to "OFF".

Display language on the screen switches automatically.

- ➔ When "LANGUAGE FOLLOW" is set to "ON" in the "HDMI SETUP" (page 41), the display language on the screen automatically switches, according to the language setting of the connected TV, if you change the language settings on your TV, etc.

USB (DVP-NS728H only)

The player does not detect a USB device connected to the player.

- ➔ The USB device is not securely connected to the player (page 18).
- ➔ The USB device or a cord is damaged.
- ➔ Disc mode has not been switched to USB mode.
- ➔ Compatibility with all encoding/writing softwares, recording devices, and recording media cannot be guaranteed. Incompatible USB device may produce noise or interrupted audio or may not play at all.













Self-diagnosis Function

(When letters/numbers appear on the screen)

When the self-diagnosis function is activated to prevent the player from malfunctioning, a five-character service number (e.g., C 13 50) with a combination of a letter and four digits appears on the screen. In this case, check the following table.

First three characters of the service number	Cause and/or corrective action
C 13	The disc is dirty or recorded in a format that this player cannot play (page 45). ➔ Clean the disc with a cleaning cloth or check its format.
C 31	The disc is not inserted correctly. ➔ Re-insert the disc correctly.

Playable Media

Type	Disc Logo	Icon	Characteristic
DVD VIDEO	  R W		<ul style="list-style-type: none"> • Commercial DVD • DVD+RWs/DVD+Rs/ DVD+R DLs in +VR mode • DVD-RWs/DVD-Rs/DVD-R DLs in video mode
DVD-VR mode	 DVD+ReWritable  R R4.7 DVD+R  DVD+R DL		<ul style="list-style-type: none"> • DVD-RWs/DVD-Rs/DVD-R DLs in VR (Video Recording) mode
CD			<ul style="list-style-type: none"> • Music CD • CD-Rs/CD-RWs in music format
VIDEO CD			<ul style="list-style-type: none"> • Super VCDs • CD-Rs/CD-RWs in video CD/Super VCD format
DATA disc or USB [†]	—		<ul style="list-style-type: none"> • DATA CD/DATA DVD or USB[†] devices containing video, photo, or music files

*DVP-NS728H only.

Notes about video, photo, or music files that the player can play

The player can play the following files:

File Type	File format	Extension
Video	DivX ^{*1}	“.avi” or “.divx”
	MPEG-1 ^{*2}	“.mpg” or “.mpeg”
	MPEG-4 (simple profile) ^{*3}	“.mp4” or “.m4v”
Photo	JPEG	“.jpeg” or “.jpg”
Music	MP3 ^{*4}	“.mp3”
	WMA ^{*3}	“.wma”
	AAC ^{*3}	“.m4a”
	LPCM/WAVE	“.wav”

^{*1} DivX[®] is a video file compression technology, developed by DivX, Inc. DivX, DivX Certified, and associated logos are trademarks of DivX, Inc. and are used under license.

^{*2} Only support movie data of cyber shot.

^{*3} Files with copyright protection (Digital Right Management) cannot be played.

^{*4} MP3 (MPEG-1 Audio Layer III) is a standard format defined by ISO (International Organization for Standardization)/IEC (International Electrotechnical Commission) MPEG which compresses audio data.

The player will play any file in the above table, even if the file format differs. Playing such data may generate noise that can result in speaker damage. The player can play the following files:

- Photo files that conform to the DCF^{*} image file format.
- DATA CDs recorded according to ISO 9660^{**} Level 1/Level 2, or its extended format, Joliet.
- DATA DVDs recorded according to UDF (Universal Disk Format).

^{*} “Design rule for Camera File system”: Image standards for digital cameras regulated by JEITA (Japan Electronics and Information Technology Industries Association).

^{**} A logical format of files and folders on CD-ROMs, defined by ISO (International Organization for Standardization).




- If you add numbers (01, 02, 03, etc.) to the front of the file names, the files will be played in that order.
- To play a complex hierarchy of folders may take some time. Create albums with no more than two hierarchies.
- Set “MEDIA” to “PHOTO/MUSIC” to repeat both music and photo files. See “Playing repeatedly (Repeat Play)” page 26.



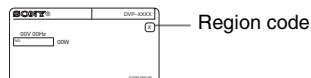
- Some video, photo, and music files may not play, depending on the encoding/recording condition.
- To start playback and proceed to the next or another album may take some time.
- The player cannot play music files in mp3PRO or WMA Pro format.
- If the playing time of either music or photo is longer, the longer one continues without sound or image.
- To display Progressive photo files or photo files of 3,000,000 pixels or more may take time and the duration may seem longer than your selected setting.
- The player will recognize a maximum of 200 albums, regardless of the selected mode. It can recognize up to 300 music files and 300 photo files when “PHOTO/MUSIC” is selected, 600 music files when “MUSIC” is selected, 600 photo files when “PHOTO (BGM)” is selected, and 600 video files when “VIDEO” 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.
- The player may not play certain video files that are longer than 3 hours.
- Depending on the file, normal playback may not be possible. The picture may be unclear, playback may not appear smooth, the sound may skip, etc. You are recommended to create the file at a lower bit rate.
- The player may not playback the high bit rate video file on the DATA CD smoothly. You are recommended to playback using DATA DVD.
- When playing visual data that is not supported by MPEG-4 format, only sound will be heard.

Region code

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

Commercial DVDs labelled  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.



• Notes 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. 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/DVD+R DLs, even if they have been correctly finalized. In this case, view the disc by normal playback. Also some DATA discs created in Packet Write format cannot be played.

• Music discs encoded with copyright protection technologies

This product is designed to playback discs that conform to the Compact Disc (CD) standard. 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.

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

Images in DVD-VR mode with CPRM* protection may not be played if they contain a copy protection signal, “Copyright lock” appears on the screen.

* CPRM (Content Protection for Recordable Media) is a coding technology that protects the copyright of images.

• **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.

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.

About MPEG-4 VISUAL

THIS PRODUCT IS LICENSED UNDER THE MPEG-4 VISUAL PATENT PORTFOLIO LICENSE FOR THE PERSONAL AND NON-COMMERCIAL USE OF A CONSUMER FOR DECODING VIDEO IN COMPLIANCE WITH THE MPEG-4 VISUAL STANDARD ("MPEG-4 VIDEO") THAT WAS ENCODED BY A CONSUMER ENGAGED IN A PERSONAL AND NON-COMMERCIAL ACTIVITY AND/OR WAS OBTAINED FROM A VIDEO PROVIDER LICENSED BY MPEG LA TO PROVIDE MPEG-4 VIDEO. NO LICENSE IS GRANTED OR SHALL BE IMPLIED FOR ANY OTHER USE. ADDITIONAL INFORMATION INCLUDING THAT RELATING TO PROMOTIONAL, INTERNAL AND COMMERCIAL USES AND LICENSING MAY BE OBTAINED FROM MPEG LA, LLC. SEE [HTTP://WWW.MPEGLA.COM](http://www.mpegla.com)

Specifications

System

Laser: Semiconductor laser

Outputs

(**Jack name:** Jack type/Output level/Load impedance)

LINE OUT (AUDIO):

Phono jack/2 V_{rms}/10 kilohms

DIGITAL OUT (COAXIAL):

Phono jack/0.5 V_{p-p}/75 ohms

HDMI OUT:

HDMI 19 pin-Standard Connector

COMPONENT VIDEO OUT (Y, P_B/C_B,

P_R/C_R):

Phono jack/Y: 1.0 V_{p-p}, P_B/C_B, P_R/C_R: 0.7 V_{p-p}/75 ohms

LINE OUT (VIDEO):

Phono jack/1.0 V_{p-p}/75 ohms

USB (DVP-NS728H only):

USB jack Type A, maximum current 500 mA (For connecting USB device)

General

Power requirements:

220 – 240 V AC, 50/60 Hz

See page 2 for further information.

Power consumption:

DVP-NS718H: 11 W

DVP-NS728H: 13 W

Dimensions (approx.):

430 × 43 × 206 mm (width/height/depth)
incl. projecting parts

Mass (approx.): 1.6 kg

Operating temperature: 5 °C to 35 °C

Operating humidity: 25 % to 80 %

Supplied accessories

- Remote commander (remote) (1)
- R6 (size AA) batteries (2)

Specifications and design are subject to change without notice.

Language Code List

For details, see pages 7, 34.

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

For details, see page 29.

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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