# ONKYO®

**Super Audio CD &
DVD Audio/Video Player**

# *DV-SP506*

## Instruction Manual

Thank you for purchasing the Onkyo DV-SP506
Super Audio CD & DVD Audio/Video player.
Read this manual carefully before using your
new DVD player. A good understanding of its
features and operation will allow you to achieve
optimum performance and enjoyment.

Keep this manual for future reference.

# Contents

DVD VIDEO/AUDIO™    COMPACT disc DIGITAL VIDEO    COMPACT disc DIGITAL AUDIO    SUPER AUDIO CD

En

**WARNING:**

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPARATUS TO RAIN OR MOISTURE.

**CAUTION:**

TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

| WARNING | AVIS |
|---|---|
| RISK OF ELECTRIC SHOCK DO NOT OPEN | RISQUE DE CHOC ELECTRIQUE NE PAS OUVRIR |

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

## Important Safety Instructions

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

PORTABLE CART WARNING

S3125A

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

15. Damage Requiring Service
Unplug the apparatus from the wall outlet and refer servicing to qualified service personnel under the following conditions:
A. When the power-supply cord or plug is damaged,
B. If liquid has been spilled, or objects have fallen into the apparatus,
C. If the apparatus has been exposed to rain or water,
D. If the apparatus does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the apparatus to its normal operation,
E. If the apparatus has been dropped or damaged in any way, and
F. When the apparatus exhibits a distinct change in performance this indicates a need for service.

16. Object and Liquid Entry
Never push objects of any kind into the apparatus through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock.
The apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases shall be placed on the apparatus.
Don't put candles or other burning objects on top of this unit.

17. Batteries
Always consider the environmental issues and follow local regulations when disposing of batteries.

18. If you install the apparatus in a built-in installation, such as a bookcase or rack, ensure that there is adequate ventilation.
Leave 20 cm (8") of free space at the top and sides and 10 cm (4") at the rear. The rear edge of the shelf or board above the apparatus shall be set 10 cm (4") away from the rear panel or wall, creating a flue-like gap for warm air to escape.

# Precautions

1. **Recording Copyright**—Unless it's for personal use only, recording copyrighted material is illegal without the permission of the copyright holder.

2. **AC Fuse**—The AC fuse inside the unit is not user-serviceable. If you cannot turn on the unit, contact your Onkyo dealer.

3. **Care**—Occasionally you should dust the unit all over with a soft cloth. For stubborn stains, use a soft cloth dampened with a weak solution of mild detergent and water. Dry the unit immediately afterwards with a clean cloth. Don't use abrasive cloths, thinners, alcohol, or other chemical solvents, because they may damage the finish or remove the panel lettering.

4. **Power**
   **WARNING**
   BEFORE PLUGGING IN THE UNIT FOR THE FIRST TIME, READ THE FOLLOWING SECTION CAREFULLY.
   AC outlet voltages vary from country to country. Make sure that the voltage in your area meets the voltage requirements printed on the unit's rear panel (e.g., AC 230 V, 50 Hz or AC 120 V, 60 Hz).

   The power cord plug is used to disconnect this unit from the AC power source. Make sure that the plug is readily operable (easily accessible) at all times.

   Pressing the [ON/STANDBY] button to select Standby mode does not fully shutdown the unit. If you do not intend to use the unit for an extended period, remove the power cord from the AC outlet.

5. **Preventing Hearing Loss**
   **Caution**
   Excessive sound pressure from earphones and headphones can cause hearing loss.

6. **Batteries and Heat Exposure**
   **Warning**
   Batteries (battery pack or batteries installed) shall not be exposed to excessive heat as sunshine, fire or the like.

7. **Never Touch this Unit with Wet Hands**—Never handle this unit or its power cord while your hands are wet or damp. If water or any other liquid gets inside this unit, have it checked by your Onkyo dealer.

8. **Handling Notes**
   - If you need to transport this unit, use the original packaging to pack it how it was when you originally bought it.
   - Do not leave rubber or plastic items on this unit for a long time, because they may leave marks on the case.
   - This unit's top and rear panels may get warm after prolonged use. This is normal.
   - If you do not use this unit for a long time, it may not work properly the next time you turn it on, so be sure to use it occasionally.
   - When you've finished using this unit, remove all discs and turn off the power.

9. **Installing this Unit**
   - Install this unit in a well-ventilated location.
   - Ensure that there's adequate ventilation all around this unit, especially if it's installed in an audio rack. If the ventilation is inadequate, the unit may overheat, leading to malfunction.
   - Do not expose this unit to direct sunlight or heat sources, because its internal temperature may rise, shortening the life of the optical pickup.
   - Avoid damp and dusty places, and places subject to vibrations from loudspeakers. Never put the unit on top of, or directly above a loudspeaker.
   - Install this unit horizontally. Never use it on its side or on a sloping surface, because it may cause a malfunction.
   - If you install this unit near a TV, radio, or VCR, the picture and sound quality may be affected. If this occurs, move this unit away from the TV, radio, or VCR.

10. **To Obtain a Clear Picture**—This unit is a high-tech, precision device. If the lens on the optical pickup, or the disc drive mechanism becomes dirty or worn, the picture quality may be affected. To maintain the best picture quality, we recommend regular inspection and maintenance (cleaning or worn part replacement) every 1,000 hours of use depending on the operating environment. Contact your Onkyo dealer for details.

11. **Moisture Condensation**
    **Moisture condensation may damage this unit.**
    Read the following carefully:
    Moisture may condense on the lens of the optical pickup, one of the most important parts inside this unit.
    - Moisture condensation can occur in the following situations:
      – The unit is moved from a cold place to a warm place.
      – A heater is turned on, or cold air from an air conditioner is hitting the unit.
      – In the summer, when this unit is moved from an air conditioned room to a hot and humid place.
      – The unit is used in a humid place.
    - Do not use this unit when there's the possibility of moisture condensation occurring. Doing so may damage your discs and certain parts inside this unit.

    If condensation does occur, remove all discs and leave this unit turned on for two to three hours. By this time, the unit will have warmed up and any condensation will have evaporated.

12. **Region Numbers**—The DVD standard uses region numbers to control how discs can be played around the world, the world being divided into six regions. This unit will only play DVD discs that match its region number, which can be found on its rear panel (e.g., 🔲, 🔲).

13. **About this Manual**—This manual explains how to use all of this unit's functions. Although the DVD standard offers many special features, not all discs use them all, so depending on the disc being played, this unit may not respond to certain functions. See the disc's sleeve notes for supported features.

This unit contains a semiconductor laser system and is classified as a "CLASS 1 LASER PRODUCT". So, to use this model properly, read this Instruction Manual carefully. In case of any trouble, please contact the store where you purchased the unit.

To prevent being exposed to the laser beam, do not try to open the enclosure.

### CAUTION:
CLASS 1M VISIBLE AND INVISIBLE LASER RADIATION WHEN OPEN. DO NOT VIEW DIRECTLY WITH OPTICAL INSTRUMENTS.

THIS PRODUCT UTILIZES A LASER. USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

The label on the right is applied on the rear panel.

**CLASS 1 LASER PRODUCT**

1. This unit is a CLASS 1 LASER PRODUCT and employs a laser inside the cabinet.

2. To prevent the laser from being exposed, do not remove the cover. Refer servicing to qualified personnel.

## For U.S. models
**FCC Information for User**

### CAUTION:
The user changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

### NOTE:
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

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

## For European Models

Declaration of Conformity

We, ONKYO EUROPE
ELECTRONICS GmbH
LIEGNITZERSTRASSE 6,
82194 GROEBENZELL,
GERMANY

$\mathsf{C}\mathsf{E}$

declare in own responsibility, that the ONKYO product described in this instruction manual is in compliance with the corresponding technical standards such as EN60065, EN55013, EN55020 and EN61000-3-2, -3-3.

GROEBENZELL, GERMANY

K. MIYAGI

ONKYO EUROPE ELECTRONICS GmbH

## Precautions—*Continued*

### For Canadian Models

**NOTE:** THIS CLASS B DIGITAL APPARATUS COMPLIES WITH CANADIAN ICES-003.
For models having a power cord with a polarized plug:
**CAUTION:** TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

### Modèle pour les Canadien

**REMARQUE:** CET APPAREIL NUMÉRIQUE DE LA CLASSE B EST CONFORME À LA NORME NMB-003 DU CANADA.
Sur les modèles dont la fiche est polarisée:
**ATTENTION:** POUR ÉVITER LES CHOCS ÉLEC-TRIQUES, INTRODUIRE LA LAME LA PLUS LARGE DE LA FICHE DANS LA BORNE CORRE-SPONDANTE DE LA PRISE ET POUSSER JUSQU'AU FOND.

### For British models

Replacement and mounting of an AC plug on the power supply cord of this unit should be performed only by qualified service personnel.

#### IMPORTANT

The wires in the mains lead are coloured in accordance with the following code:

    Blue:    Neutral
    Brown:   Live

As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured mark-ings identifying the terminals in your plug, proceed as follows:
The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black.
The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.

#### IMPORTANT

The plug is fitted with an appropriate fuse. If the fuse needs to be replaced, the replacement fuse must be approved by ASTA or BSI to BS1362 and have the same ampere rating as that indicated on the plug. Check for the ASTA mark or the BSI mark on the body of the fuse. If the power cord's plug is not suitable for your socket outlets, cut it off and fit a suitable plug. Fit a suitable fuse in the plug.
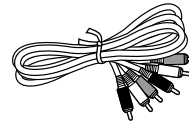
# Supplied Accessories

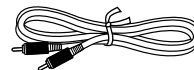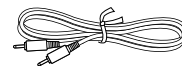Make sure you have the following accessories:

RC-657DV
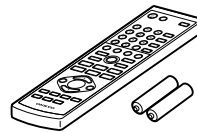


**Remote controller & 2 batteries (AA/R6)**



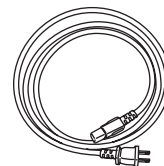**AV connecting cable (RCA) (4.9 ft., 1.5 m)**



**Coaxial digital cable (3.3 ft., 1.0 m)**



**RI cable (2.6 ft., 0.8 m)**
This cable is used to connect the DV-SP506 to other RI-compatible Onkyo components for RI (Remote Interactive) control.
To use RI, in addition to an RI connection, you must make an analog audio connection (RCA) between the DV-SP506 and your Onkyo AV receiver.



**Power cord**
**(5.9 ft., 1.8 m: North American, European, other models)**
**(6.6 ft., 2 m: Australian model)**

# Introduction

## Features

### *Highlights*

- HDMI[*1] output with 1080p upscaling
- 480i/576i HDMI output for use with AV receivers and TVs with advanced scaling built in
- Dolby Digital[*2] and DTS[*3]
- DVD-Audio, Super Audio CD
- DVD-Video, Video CD, audio CD
- MP3, WMA[*4], JPEG, DivX[*5] (Not North American model)
- CD-R/RW, DVD±R (SL, DL), DVD±RW
- HD JPEG playback over HDMI

### *Video*

- Advanced 108 MHz/14-bit video D/A converter
- Component video, S-Video and composite video simultaneous output
- SCART RGB (European model only)

### *Audio*

- Burr-Brown (PCM1796) 24-bit/192 kHz audio D/A converter
- Optical and coaxial digital outputs
- DSD and multichannel linear PCM over HDMI
- Color-coded 5.1-channel analog output
- VLSC (Vector Linear Shaping Circuitry)[*6] on all channels

### *Others*

- 5 playback modes: Repeat, A-B Repeat, Random, Program, Search
- RIHD[*7] (Remote Interactive over HDMI) for system integration
- ꓤꓲ-compatible remote control
- Picture zoom
- Onscreen display
- Parental lock
- Screen saver

*1 **HDMI**
HIGH DEFINITION MULTIMEDIA INTERFACE
HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC.

*2 **DOLBY DIGITAL**
Manufactured under license from Dolby Laboratories. Dolby, Pro Logic and the double-D symbol are trademarks of Dolby Laboratories.

*3 **dts**
**Digital Surround**
Manufactured under license under U.S. Patent #'s: 5,451,942; 5,956,674; 5,974,380; 5,978,762; 6,487,535 & other U.S. and worldwide patents issued & pending. DTS and DTS Digital Surround are registered trademarks and the DTS logos and Symbol are trademarks of DTS, Inc. © 1996-2007 DTS, Inc. All Rights Reserved.

*4 Windows Media, and the Windows logo are trademarks, or registered trademarks of Microsoft Corporation in the United States and/or other countries.

*5 **DivX CERTIFIED**
HOME THEATER
VIDEO
DivX® is a compressed digital video format created by the DivX® video codec from DivXNetworks, Inc. This player can play DivX® video files burned on discs. When naming files on a disc prior to burning, keep in mind that by default hey will be played in alphabetical order.

*6 **VL** VECTOR LINEAR SHAPING CIRCUITRY
VLSC and the VLSC logo are registered trademarks of Onkyo Corporation.

*7 **RIHD**
RIHD is a trademark of Onkyo Corporation.

# Contents

## Disc Notes

### Supported Discs

The DV-SP506 supports the following discs.

| Disc | Logo | Format or file type |
|---|---|---|
| **DVD-Video** | **DVD** VIDEO | *1 |
| **DVD-Audio** | **DVD** AUDIO | DVD-Audio |
| **Super Audio CD** | SUPER AUDIO CD | Super Audio CD (single layer, dual layer, hybrid) |
| **DVD-R**[*2], **DVD+R** | **DVD** R | DVD-Video, MP3, WMA, JPEG, DivX[*3] |
| **DVD-RW**[*2], **DVD+RW** | **DVD** RW | DVD-Video, MP3, WMA, JPEG, DivX[*3] |
| **Video CD** | COMPACT DIGITAL VIDEO | Including PBC |
| **Audio CD**[*4] | COMPACT DIGITAL AUDIO | PCM |
| **CD-R**[*2] | COMPACT DIGITAL AUDIO Recordable | Audio CD, MP3, WMA, JPEG, DivX[*3] |
| **CD-RW**[*2] | COMPACT DIGITAL AUDIO ReWritable | Audio CD, MP3, WMA, JPEG, DivX[*3] |
| **JPEG CD** | | JPEG |

**– DVD+R/RW –**
**The DV-SP506 supports DVD+R/RW discs recorded in the following formats:**
- Discs recorded in DVD-Video mode.
- Discs recorded in ISO 9660 Level 2 or Joliet format containing MP3, WMA, or JPEG files.

*1  Models other than the North American model will play PAL and NTSC DVD-Video discs. When set to AUTO, PAL and NTSC video is output as it is. When set to PAL, only PAL video is output. When set to NTSC, only NTSC video is output.

*2  MP3, WMA, and JPEG files are supported on discs recorded in ISO 9660 Level 2 or Joliet format. (See "MP3/WMA/JPEG Compatibility" on page 9 for more details.) However, some CD-R, CD-RW, DVD-R, and DVD-RW discs may not work properly for any of the following reasons: incomplete disc finalization, disc burner characteristics, disc characteristics, the disc is damaged or dirty, the disc contains only a small amount of data. Discs that contain different types of files, JPEG, MP3, WMA, DivX, and so on, are not supported. See the manual supplied with your disc burner for more information. Condensation or dirt on the optical pickup lens can also affect playback.

*3  North American model does not support DivX format.

*4  Some audio CDs feature copy protection that doesn't conform to the official CD standard. Since these are nonstandard discs, they may not play properly in the DV-SP506.

- The DV-SP506 supports DVD-R/+R dual layer discs.
- The DV-SP506 does not support disc types not listed.
- The DV-SP506 supports 8 cm and 12 cm discs.
- Don't use discs with an unusual shape, such as those shown below, because you may damage the DV-SP506.

- Don't use discs that have residue from adhesive tape, rental discs with peeling labels, or discs with custom-made labels or stickers. Doing so may damage the DV-SP506 and you may not be able to remove the disc properly.

**About playing copy-controlled CDs**
Some copy-controlled CDs may not conform to official CD standards. They are special discs and may not play on the DV-SP506.

### Function Support

The following icons are used throughout this manual to indicate which functions can be used with the various disc formats and file types.

| Icon | Disc format or file type |
|---|---|
| DVD-V | DVD-Video |
| DVD-A | DVD-Audio |
| SACD | Super Audio CD |
| VCD | Video CD |
| CD | Audio CD |
| MP3 | MP3 file |
| WMA | WMA file |
| JPEG | JPEG file |
| DivX | DivX (not North American model) |

### About this Manual

This manual explains how to use all of the DV-SP506's functions. Although the DVD standard offers many special features, not all discs use them all, so depending on the disc being played, the DV-SP506 may not respond to certain functions. See your disc's sleeve notes for supported features.

When you attempt to use a DVD feature that is not available, this logo may appear onscreen, indicating that the feature is not supported by the current disc or by the DV-SP506.

## *MP3/WMA/JPEG Compatibility*

- The DV-SP506 can play/display MP3, WMA, and JPEG files recorded on CD-R, CD-RW, DVD-R, DVD-RW, DVD+R and DVD+RW discs.
- Discs must be in ISO 9660 Level 2 or Joliet format (folders can be up to eight levels deep). Music files recorded on discs that use the HFS (hierarchical file system) cannot be played.
- Discs must be finalized.
- The DV-SP506 can only recognize the first session on multisession discs.
- You can determine the order in which the DV-SP506 plays/displays your MP3/WMA songs and JPEG pictures by prefixing file and folder names with a three-digit number. For example 001.Root, 002.Folder, and so on, and 001.Track.mp3, 002.Track.mp3, and so on.
- Only the first eight characters of folder and track names (excluding the filename extension) are displayed.
- The folder numbered "001" appears as "ROOT" in the Disc Navigator.
- The DV-SP506 supports up to 255 folders and up to 255 files per folder.
- If you try to play an incompatible file, the message "This format cannot be played" appears on the display.

### ■ MP3
- MP3 files must be MPEG1 Audio Layer 3 format, 44.1 or 48 kHz, fixed bit-rate.
- MP3 files must have a ".mp3" or ".MP3" filename extension.
- Variable bit-rates (VBR) from 32 kbps to 320 kbps are supported. (Playing times may display incorrectly with VBR.)

### ■ WMA
- WMA files must have the copyright option turned off.
- Sampling rates 44.1/48 kHz are supported.
- Variable bit-rates (VBR) from 48 kbps to 192 kbps (44.1 kHz) and 128 kbps to 192 kbps (48 kHz) are supported. (Playing times may display incorrectly with VBR.)
- WMA files must have a ".wma" or ".WMA" filename extension.

### ■ JPEG
- JPEG files must have a ".jpg" or ".JPG" filename extension.
- JPEG files must be less than 5 megabytes in size.
- JPEG files up to 5,700 x 3,800 pixels are supported.
- Progressive JPEG is not supported.

## *About WMA*

WMA is an acronym for Windows Media Audio and refers to an audio compression technology developed by Microsoft Corporation. WMA content can be encoded by using Windows Media® Player version 7/7.1 or 8.

## *About DivX*

DivX is a compressed digital video format created by the DivX video codec from DivXNetworks, Inc. This player can play DivX video files burned on discs. When naming files on a disc prior to burning, keep in mind that by default they will be played in alphabetical order.

**Note:**
- North American models do not support DivX Video.

## *DivX video compatibility*

- Official DivX Certified product.
- Plays DivX 5, DivX 4, DivX 3 and DivX VOD video content (in compliance with DivX Certified technical requirements).

DivX disc compatibility with this player is limited as follows:

| Playable discs | CD-R/RW, DVD±R/RW |
|---|---|
| File system | ISO9660 Level 1, 2, or Joliet |
| File name | A file name should be in alphabet and numerals only, and must incorporate "AVI" extension. e.g. "*****.AVI" |
| Total number of folders | Less than 255 |
| Total number of files | Less than 255 |

### *Handling Discs*

• Never touch the underside of a disc. Always hold discs by the edge, as shown.

Underside
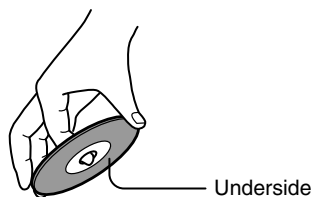
• Never attach adhesive tape or sticky labels to discs.

### *Cleaning Discs*

• For best results, keep your discs clean. Fingerprints and dust can affect the sound and picture quality and should be removed as follows. Using a clean soft cloth, wipe from the center outwards, as shown. Never wipe in a circular direction.
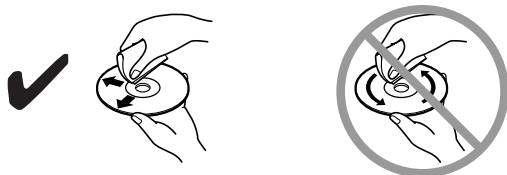
• To remove stubborn dust or dirt, wipe the disc with a damp soft cloth, and then dry it with a dry cloth.
• Never use solvent-based cleaning fluids, such as thinner or benzine, commercially available cleaners, or antistatic sprays intended for vinyl records, because they may damage the disc.

### *Storing Discs*

• Don't store discs in places subject to direct sunlight, or near heat sources.
• Don't store discs in places subject to moisture or dust, such as in a bathroom or near a humidifier.
• Always store discs in their cases and vertically. Stacking, or putting objects on unprotected discs may cause warping, scratches, or other damage.

### *Copyright*

It is forbidden by law to copy, broadcast, show, broadcast on cable, play in public, or rent copyrighted material without permission.

DVD-Video discs are copy-protected, and any recordings made from these discs will be distorted.

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 Corporation, and is intended for home and other limited consumer uses only unless otherwise authorized by Macrovision. Reverse engineering or disassembly is prohibited.

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# Before Using the DV-SP506

## Installing the Batteries

**1** **Open the battery compartment, as shown.**
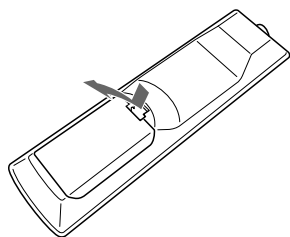


**2** **Insert the two supplied batteries (AA/R6) in accordance with the polarity diagram inside the battery compartment.**
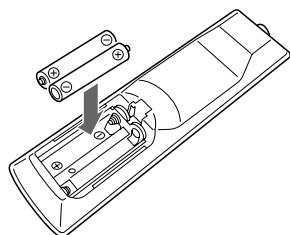


**3** **Close the battery compartment.**
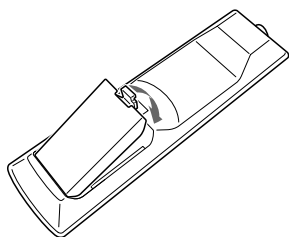


**Notes:**
- If the remote controller doesn't work reliably, try replacing both batteries.
- Don't mix new and old batteries, or different types of batteries.
- If you intend not to use the remote controller for a long time, remove the batteries to prevent possible leakage and corrosion.
- Flat batteries should be removed as soon as possible to prevent possible leakage and corrosion.

## Using the Remote Controller

To use the remote controller, point it at the DV-SP506's remote control sensor, as shown below.



Remote control sensor
DV-SP506
30°  30°
Approx. 16 ft. (5 m)
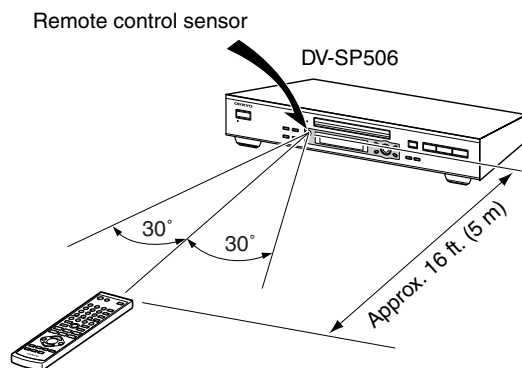
**Notes:**
- The remote controller may not work reliably if the DV-SP506 is subjected to bright light, such as direct sunlight or inverter-type fluorescent lights. Keep this in mind when installing the DV-SP506.
- If another remote controller of the same type is used in the same room, or the DV-SP506 is installed close to equipment that uses infrared rays, the remote controller may not work reliably.
- Don't put anything, such as a book, on the remote controller, because the buttons may be pressed inadvertently, thereby draining the batteries.
- The remote controller may not work reliably if the DV-SP506 is installed in a rack behind colored glass doors. Keep this in mind when installing the DV-SP506.
- The remote controller will not work if there's an obstacle between it and the DV-SP506's remote control sensor.

11

# Front & Rear Panels

## Front Panel

For detailed information, refer to the pages in brackets.
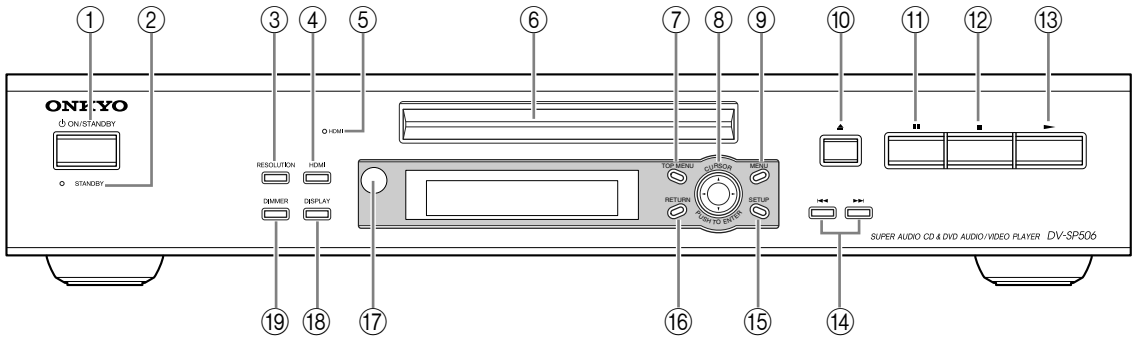


① **ON/STANDBY button [29]**
This button is used to set the DV-SP506 to On or Standby.
Don't turn on the power until you've completed, and double checked all connections.

② **STANDBY indicator [29]**
This indicator lights up when the DV-SP506 is in Standby.

③ **RESOLUTION button [46]**
This button is used to select the video resolution for the HDMI output. When the HDMI Output Setting is set to Off, it sets the component video output to progressive or interlaced.

④ **HDMI button [46]**
This button is used to turn HDMI on or off.

⑤ **HDMI indicator [46]**
This indicator lights up when a HDMI signal is being output.

⑥ **Disc tray [31]**
Discs are loaded here.

⑦ **TOP MENU button [34, 36]**
With DVD discs, this button displays the main menu. With a JPEG disc, it displays thumbnails of the images. With a Video CD, it turns PBC on or off.

⑧ **Cursor ◄/►/▲/▼ & ENTER buttons [48]**
The four cursor buttons located around the central [ENTER] button are used to navigate DVD-Video menus and the onscreen setup menus.
The central [ENTER] button is used to start playback of the selected title, chapter, or track and to confirm settings.

⑨ **MENU button [34, 36]**
This button is used to display a menu on a DVD or to open the Disc Navigator when using a JPEG disc.

⑩ **▲ (open/close) button [31]**
This button is used to open and close the disc tray.

⑪ **II (pause) button [31, 33]**
This button is used to pause playback.

⑫ **■ (stop) button [32]**
This button is used to stop playback.

⑬ **► (play) button [31]**
This button is used to start playback.

⑭ **Previous/Next I◄◄/►►I buttons [32]**
The Previous button is used to select the previous chapter or track. During playback it selects the beginning of the current track.
The Next button is used to select the next chapter or track.

⑮ **SETUP button [48]**
This button is used to open and close the onscreen setup menus.

⑯ **RETURN button**
This button is used to exit the onscreen setup.

⑰ **Remote control sensor [11]**
This sensor receives control signals from the remote controller.

⑱ **DISPLAY button [45]**
This button is used to display information about the title, chapter, or track, including the elapsed time, remaining time, total time, and so on. Press it repeatedly to display more information.

⑲ **DIMMER button [29]**
This button is used to adjust the display brightness.

> normal → dim → dimmer

## Display
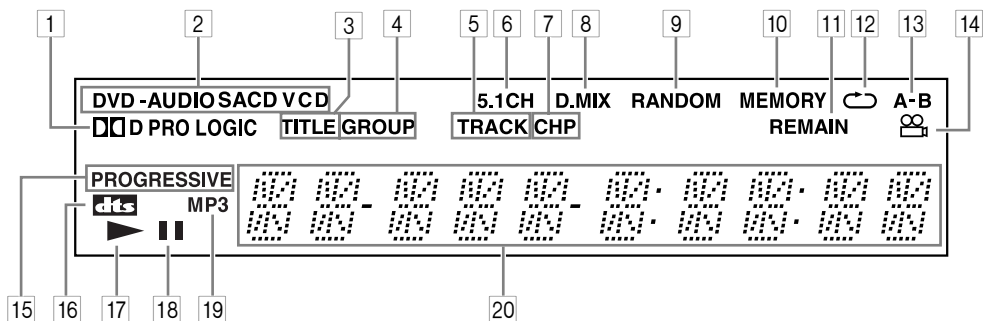


1. **⧈⧈ D PRO LOGIC indicator**

   The ⧈⧈ D indicator appears when playing Dolby Digital material. The PRO LOGIC indicator appears when the DV-SP506's Dolby Pro Logic decoder is on.

2. **Disc type indicators**

   These indicators show the type of disc loaded.

3. **TITLE indicator**

   While stopped, the total number of titles on the current DVD-Video disc is displayed here. During playback, the number of the current title is displayed.

4. **GROUP indicator**

   While stopped, the total number of groups on the current DVD-Audio disc is displayed here. During playback, the number of the current group is displayed.

5. **TRACK indicator**

   This indicator appears while track numbers are being displayed. While stopped, the total number of tracks on the current SACD, Video CD, audio CD, DVD-Audio, or MP3/WMA disc are displayed. During playback, the number of the current track is displayed.

6. **5.1 CH indicator**

   This indicator appears when playing 5.1-channel material.

7. **CHP indicator**

   This indicator appears while the number of the current chapter is being displayed.

8. **D.MIX indicator**

   During multichannel audio playback, indicates that the output signal has been down mixed from the original audio source. This is an automatic function performed by the DV-SP506 in order to present the most appropriate audio mix to the speakers present in your system.

9. **RANDOM indicator**

   This indicator appears when using the Random function.

10. **MEMORY indicator**

    This indicator appears when using the Memory function.

11. **REMAIN indicator**

    This indicator appears while the remaining time is being displayed.

12. **Repeat ⟳ indicator**

    This indicator appears when using the Repeat function.

13. **A-B indicator**

    These indicators appear when using the A-B Repeat function.

14. **Camera angle ⚲ indicator**

    This indicator appears if the DVD-Video disc being played features multiple camera angles.

15. **PROGRESSIVE indicator**

    This indicator appears when progressive video is being output by the component video output. While this indicator is on, nothing is output by the other video outputs.

    **Note:**
    • To output video from the composite video and S-Video outputs, press the [RESOLUTION] button.

16. **DTS indicator**

    This indicator appears when playing DTS material.

17. **Play ▶ indicator**

    This indicator is shown during playback.

18. **Pause ‖ indicator**

    This indicator appears when playback is paused.

19. **MP3 indicator**

    This indicator appears when playing an MP3 disc.

20. **Message & time area**

    Time information, such as total time, remaining time, and so on, is displayed here in hours, minutes, and seconds. Other messages are also displayed.

13

## Rear Panel

For detailed information, refer to the pages in brackets.

■ **North American model**
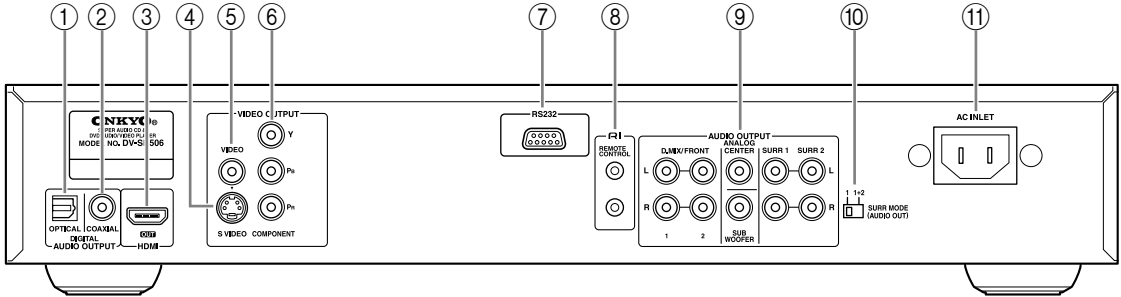


■ **European model**



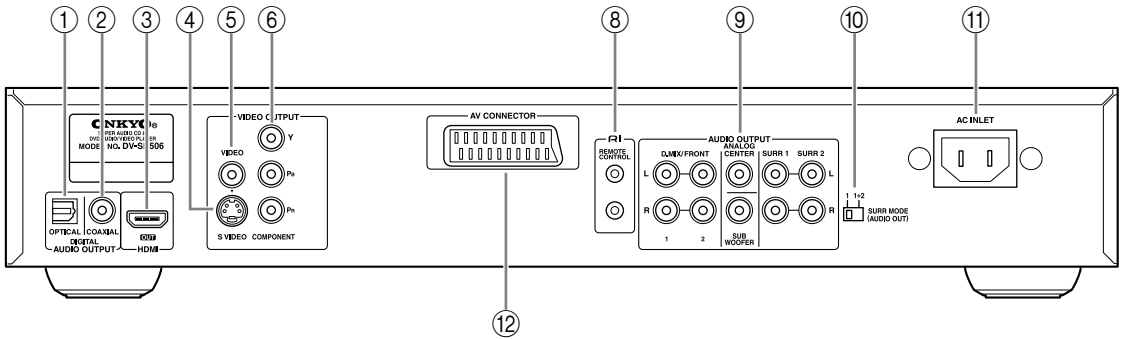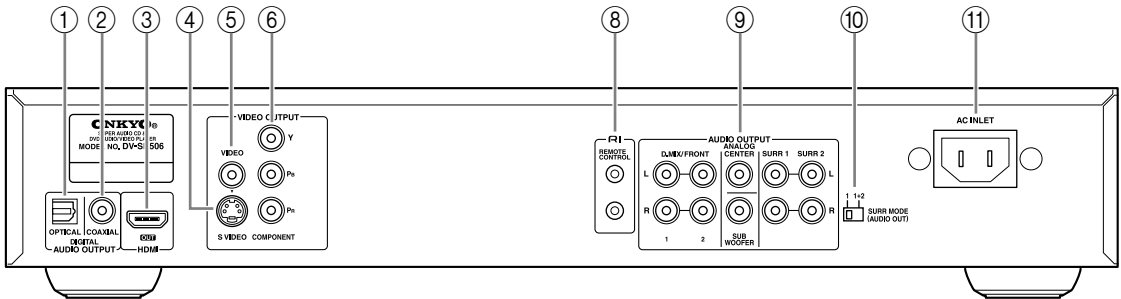■ **Other models**

① **OPTICAL DIGITAL AUDIO OUTPUT [21, 22]**

This optical digital audio output can be connected to an optical digital audio input on a hi-fi amp, AV receiver, or surround sound decoder (Dolby Digital, DTS).

② **COAXIAL DIGITAL AUDIO OUTPUT [21, 22]**

This coaxial digital audio output can be connected to a coaxial digital audio input on a hi-fi amp, AV receiver, or surround sound decoder (Dolby Digital, DTS) with supplied coaxial digital cable.

③ **HDMI OUT [19–23]**

This HDMI jack outputs digital video and audio and can be connected to an HDMI input on a compatible TV or other component.

④ **S VIDEO OUTPUT [22, 23]**

This connector can be used to connect a TV or projector with an S-Video input.

⑤ **VIDEO OUTPUT [22, 23]**

This RCA connector can be used to connect a TV or projector with a composite video input.

⑥ **COMPONENT VIDEO OUTPUT [22, 23]**

These jacks output component video and can be connected to an component video input on a TV or projector.

⑦ **RS 232 (North American model only)**

This port is for servicing.

⑧ **RI jack [28]**

These RI (Remote Interactive) connectors can be connected to the RI connectors on your other Onkyo AV components for interactive control. Connecting an RI cable only does not make the system operational. You must also connect the audio cables as well.

If you're using RIHD, do not connect anything to these connectors.

⑨ **AUDIO OUTPUT [21–23]**

These jacks make up the multichannel analog audio output. The D.MIX/FRONT jacks can be connected to a stereo input on a TV, hi-fi amp, or other component. The 1 and 2 jacks output the same signals, so use either pair. If you use this connection, in the Speaker Configuration (page 52), set the Subwoofer, Center Speaker, and Surround Speaker settings to Off, so that 5.1-channel DVD audio is down mixed into two channels.

If you're using an AV receiver or surround decoder with a 5.1-channel analog audio input, use the D.MIX/FRONT 2 jacks and the SURR 1 L/R, CENTER, and SUBWOOFER jacks.

If you're using an AV receiver or surround decoder with a 7.1-channel analog audio input, connect the SURR 2 L/R jacks to the surround back L/R input jacks on your AV receiver or decoder, and set the SURR MODE switch to "1+2." The SURR 1 and SURR 2 jacks output the same signals.

⑩ **SURR MODE switch [28]**

This switch is used to turn the AUDIO OUTPUT SURR 2 on or off. To use this output, set the switch to "1+2." The SURR 2 jacks output the same signals as the SURR 1 jacks.

⑪ **AC INLET [29]**

The supplied power cord is connected here. The other of the power cord should be connected to a suitable wall outlet.

⑫ **AV CONNECTOR (European model only) [28]**

This SCART output can be connected to a TV or projector with a SCART input. This SCART connector outputs 2-channel stereo audio (same signals as the D.MIX/FRONT jacks), composite video, S-Video, and RGB video.

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## Remote Controller
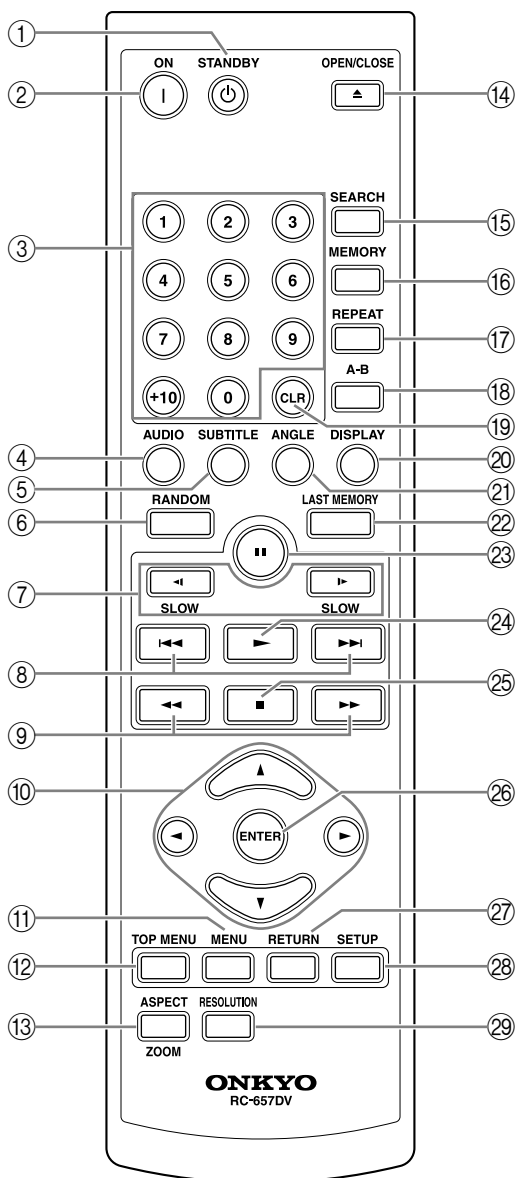


The page numbers in brackets show where you can find the main explanation for each item.

① **STANDBY button [29]**
This button is used to set the DV-SP506 to Standby.

② **ON button [29]**
This button is used to turn on the DV-SP506.
Don't turn on the DV-SP506 until you've completed, and double checked all connections.

③ **Number buttons [37, 38, 56]**
These buttons are used to enter title, chapter, and track numbers and to enter times for locating specific points in time.
To enter a single-digit number, simply press the corresponding button. To enter a double-digit number, enter the numbers in order from left-to-right (e.g., to enter 14, press [1] then [4].
The [+10] button is used to enter multiples of ten (i.e., 10, 20, 30, and so on). For example, to enter the number 25, press the [+10] button twice followed by the [5] button.

④ **AUDIO button [44]**
This button is used to select foreign language soundtracks and audio formats (e.g., Dolby Digital or DTS) on DVD-Video discs.
For Video CDs, you can select left-channel, right-channel, mix, or stereo.

⑤ **SUBTITLE button [44]**
This button is used to select subtitles.

⑥ **RANDOM button [40]**
This button is used with the Random Playback function.

⑦ **SLOW ◀Ι/Ι▶ buttons [33]**
These buttons are used for slow-motion playback.

⑧ **Previous/Next ◀◀◀/▶▶▶Ι buttons [32]**
The Previous button is used to select the previous chapter or track. During playback it selects the beginning of the current track.
The Next button is used to select the next chapter or track.

⑨ **Fast Reverse/Fast Forward ◀◀/▶▶ buttons [33]**
These buttons are used for fast reverse and fast forward.

⑩ **Cursor ◀/▶/▲/▼ buttons [48]**
These buttons are used to navigate onscreen menus.

⑪ **MENU button [34, 36]**
This button is used to display a menu on a DVD or to open the Disc Navigator when using a JPEG disc.

⑫ **TOP MENU button [34, 36]**

With DVD discs, this button displays the main menu. With a JPEG disc, it displays thumbnails of the images. With a Video CD, it turns PBC on or off.

⑬ **ASPECT/ZOOM button [43, 49]**

This button is used to change the view mode. Pressing and holding it for a few seconds selects Zoom mode.

⑭ **OPEN/CLOSE ⏏ button [31]**

This button is used to open and close the disc tray.

⑮ **SEARCH button [37, 38]**

This button is used to search for titles, chapters, groups, folders, tracks, and specific points in time.

⑯ **MEMORY button [41]**

This button is used with the Memory function.

⑰ **REPEAT button [39]**

This button is used to set the Repeat function.

⑱ **A-B button [39]**

This button is used to set the A-B Repeat function.

⑲ **CLR button [37, 38, 42]**

This button is used to cancel various functions.

⑳ **DISPLAY button [45]**

This button is used to display information about the title, chapter, or track, including the elapsed time, remaining time, total time, and so on. Press it repeatedly to display more information.

㉑ **ANGLE button [43]**

This button is used to select camera angles on DVD-Video discs.

㉒ **LAST MEMORY button [42]**

This button is used with the Last Memory function.

㉓ **Pause ❙❙ button [31, 33]**

This button is used to pause playback. While playback is paused, pressing this button moves the video forward one frame at a time.

㉔ **Play ▶ button [31]**

This button is used to start playback.

㉕ **Stop ■ button [32]**

This button is used to stop playback.

㉖ **ENTER button [48]**

This button is used to start playback of the selected title, chapter, or track, and to confirm settings.

㉗ **RETURN button**

This button is used to exit the onscreen setup.

㉘ **SETUP button [48]**
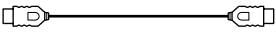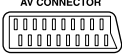
This button is used to open and close the onscreen setup menus.

㉙ **RESOLUTION button [46]**

This button is used to select the video resolution for the HDMI output. When the HDMI Output Setting is set to Off, it sets the component video output to progressive or interlaced.
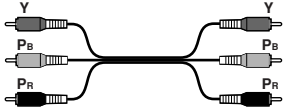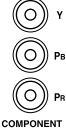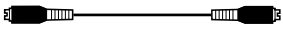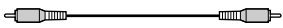
# Connecting the DV-SP506

## AV Connecting Cables & Connectors
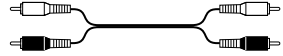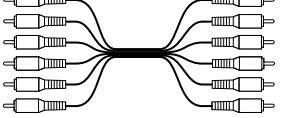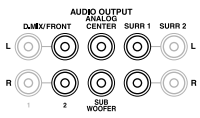
**Audio/Video**

| Cable | | Jack | Description |
|---|---|---|---|
| **HDMI** | | OUT HDMI | HDMI connections can carry uncompressed, standard or high definition digital video and digital audio, for the best picture and sound quality. |
| **Scart (European model only)** | | AV CONNECTOR | SCART connections carry analog audio and video (composite, S-Video, RGB) all in one cable. |

**Video**

| Cable | | Jack | Description |
|---|---|---|---|
| **Component video** | Y P$_B$ P$_R$    Y P$_B$ P$_R$ | Y P$_B$ P$_R$ COMPONENT | Component video separates the luminance (Y) and color difference signals (P$_R$, P$_B$), providing the best picture quality. Some TV manufacturers label their component video inputs differently. |
| **S-Video** | | S VIDEO | S-Video provides better picture quality than composite video. |
| **Composite video (supplied)** | | VIDEO | Composite video can be found on virtually all TVs, VCRs, and video equipment. |

**Audio**

| Cable | | Jack | Description |
|---|---|---|---|
| **Optical digital** | | OPTICAL | Optical digital audio connections provide better audio quality than analog connections. |
| **Coaxial digital (supplied)** | | COAXIAL | Coaxial digital audio connections provide better audio quality than analog connections. |
| **Analog (supplied)** | | L   R | RCA analog audio connectors can be found on virtually all AV components. |
| **Multichannel analog audio cable (RCA)** | | AUDIO OUTPUT ANALOG D.MIX/FRONT CENTER SURR 1 SURR 2 L   L R   R 1  2  SUB WOOFER | This cable carries multichannel analog audio and it's typically used to connect DV-SP506s with individual 5.1 channel analog audio outputs. Several standard analog audio cables can be used instead of a multichannel cable. |

## Before Making Any Connections

- Read the manuals supplied with your AV components.
- Don't connect the power cord until you've completed all audio and video connections.

### Optical Digital Output

The DV-SP506's optical digital connector has a shutter-type cover that opens when an optical plug is inserted, and closes when it's removed. Push the plug in all the way.

**Caution:** To prevent shutter damage, hold the optical plug straight when inserting and removing.

### RCA AV Connection Color Coding

RCA AV connections are usually color coded: red, white, and yellow. Use red plugs to connect right-channel audio inputs and outputs (typically labeled "R"). Use white plugs to connect left-channel audio inputs and outputs (typically labeled "L"). And use yellow plugs to connect composite video inputs and outputs.

The supplied AV connecting cable is made up of an analog audio cable and a composite video cable.

**Analog audio**

Right (red) — Right (red)
Left (white) — Left (white)

**Composite video**

(Yellow) — (Yellow)
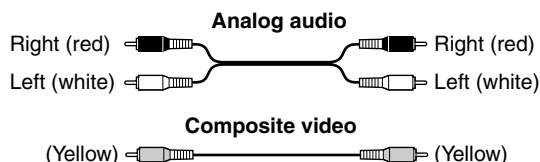
- Push each plug in all the way to make a good connection (loose connections can cause noise or malfunctions).
- To prevent interference, keep audio and video cables away from power cords and speaker cables.

Right!

Wrong!
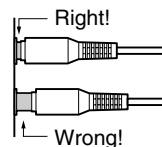
## Using HDMI to Connect an AV Receiver or HDTV

### What is HDMI?

HDMI (High Definition Multimedia Interface) is a new connection format that can carry uncompressed, standard or high definition digital video and digital audio. Until now, several separate video and audio cables have been required to connect AV components together. With HDMI, a single cable is all that's necessary to achieve the best picture and audio quality.

HDMI video is compatible with DVI (Digital Visual Interface). To send HDMI video to a DVI input requires an HDMI-to-DVI cable. The DV-SP506 supports HDCP (High-bandwidth Digital Content Protection), and for an HDMI-to-DVI connection to work, the other component must also support it. Note that this may not work with some DVI components.

### RIHD (CEC)

The DV-SP506 supports RIHD (Remote Interactive over HDMI), which is Onkyo's implementation of CEC (Consumer Electronics Control), which allows integrated system control over HDMI and is part of the HDMI standard. In addition to Onkyo AV components, it allows interoperability with CEC-compatible AV components and TVs made by other manufacturers.

To use RIHD, make sure that CEC is turned on on your other components (e.g., TV, AV receiver).

### Using HDMI

Use the HDMI cable (not supplied) to connect the DV-SP506's HDMI OUT to an HDMI input on your AV receiver. Alternatively, you can connect the DV-SP506 directly to the HDMI input on your TV.

**Notes:**
- The DV-SP506 supports HDCP (High-bandwidth Digital Content Protection), a protection system for digital video. HDMI components that you connect to the DV-SP506 must also support HDCP.
- Even if you connect a component that does not support HDCP to the DV-SP506, there will be no picture or sound.
- The DV-SP506 supports High-Definition Multimedia Interface Specification Information Version 1.2a.

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### HDMI & the DV-SP506

#### ■ Video

The DV-SP506's HDMI OUT supports the following video resolutions:

- 720 x 480i (interlaced), 60 Hz
- 720 x 480p (progressive), 60 Hz
- 720 x 576i (interlaced), 50 Hz (European, Australian, and Asian models only)
- 720 x 576p (progressive), 50 Hz (European, Australian, and Asian models only)
- 1280 x 720p (progressive), 50/60 Hz
- 1920 x 1080i (interlaced)**,** 50/60 Hz
- 1920 x 1080p (progressive)**,** 50/60 Hz

If your HDTV or projector doesn't support the selected resolution, you may get no picture.

You can select a resolution suitable for use with your HDTV or projector on the DV-SP506 (see page 50).

#### ■ Audio Formats

The DV-SP506's HDMI OUT supports the following audio formats:

- Multichannel PCM (192 kHz, 176.4 kHz, 96 kHz, 88.2 kHz, 48 kHz, 44.1 kHz)
- Dolby Digital
- DTS
- DSD

If your HDMI TV or projector doesn't support Dolby Digital or DTS, the HDMI OUT will not output digital audio in those formats. In this case, set the Digital Audio Out setting to PCM (see page 51).

If your TV doesn't support digital audio at higher sampling rates, set the Linear PCM Out setting to Down Sample On so that it's down sampled to below 48 kHz (see page 52).

## Choosing a Connection Method

To enjoy movies and music, you need to make video and audio connections from the DV-SP506 to your AV receiver or TV. The DV-SP506 supports various video and audio connection formats and can be connected in various ways. Use the chart below to help you choose the most suitable connection method for your system.

DV-SP506 settings can be changed by using the onscreen setup menus that appear on your TV's screen. Even if you intend to only play music discs, we recommend that you connect the DV-SP506 to your TV so you can use these onscreen setup menus.

When you've completed all of the connections, you may need to change a few settings on the DV-SP506 to suit your other components or personal preferences (see page 30).

| AV receiver & HDMI choices | Recommended connection method |
|---|---|
| Using an AV receiver → Using HDMI → | AV receiver supports DSD[1] and multichannel linear PCM[2] over HDMI → ① |
| | AV receiver does not support DSD[1] and multichannel linear PCM[2] over HDMI → ② |
| Not using HDMI → | → ③ |
| Not using an AV receiver → Using HDMI → | → ④ |
| Not using HDMI → | → ⑤ |
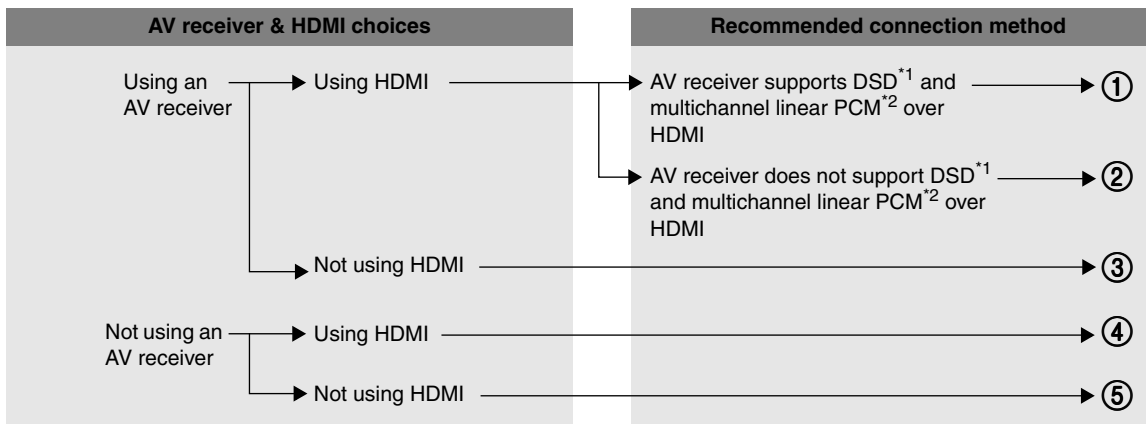
*1 DSD (Direct Stream Digital) is an audio format used on SACD discs.

*2 Multichannel linear PCM is an audio format used on DVD-Audio discs.

## ■ **Connection method** ①

Video and audio signals are fed to the AV receiver and TV via HDMI cables.

Audio reproduction is handled by an AV receiver for the best audio playback experience.
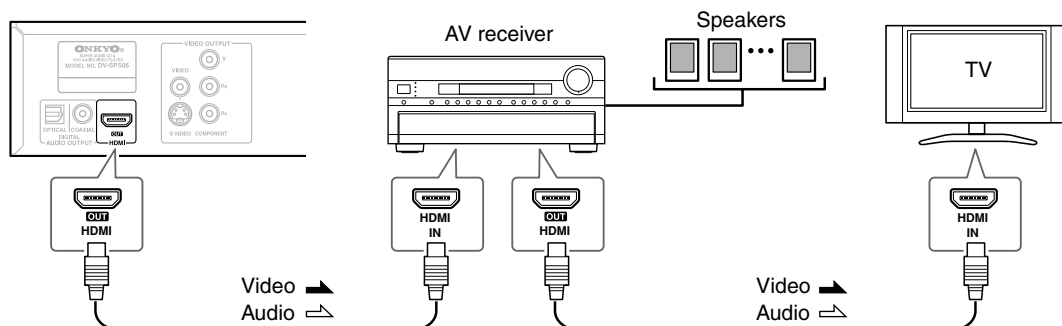


For more information on connecting the DV-SP506 to your TV, see your TV and AV receiver instruction manuals.

**Notes:**

• The format of the audio signals carried over HDMI depends on the AV receiver.

• If the HD Resolution setting is set to 480i/576i or 480p/576p, and the HDMI Audio Out setting is set to Auto, 6ch DSD, or 6ch PCM, in order to output multichannel signals over HDMI, the video resolution will be changed to 1080i when an SACD or DVD-Audio disc is loaded.

• While an SACD or DVD-Audio disc is loaded, the HDMI Output Setting, HD Resolution, and HDMI Audio Out settings cannot be changed. Eject the disc first if you need to change one of these settings.

## ■ **Connection method** ②

The video signal is fed to the AV receiver and TV via HDMI cables. The audio signal is fed to the AV receiver via a digital or analog audio cable.
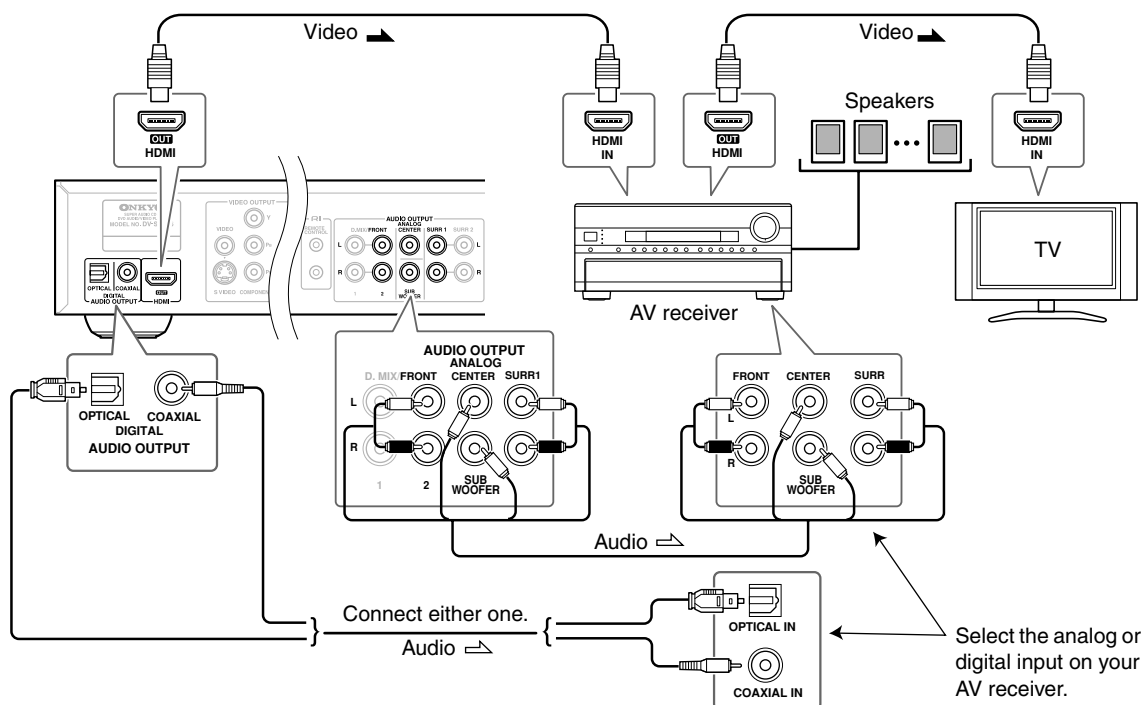


For more information on connecting the DV-SP506 to your TV, see your TV and AV receiver instruction manuals.

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# Connecting the DV-SP506—*Continued*

■ **Connection method ③**

(For more information on the audio settings for this connection method, see connection method ③ on page 24.)

The video signal is fed to the AV receiver via a composite video, S-Video, or component video cable. The audio signal is fed to the AV receiver via a digital or analog audio cable.
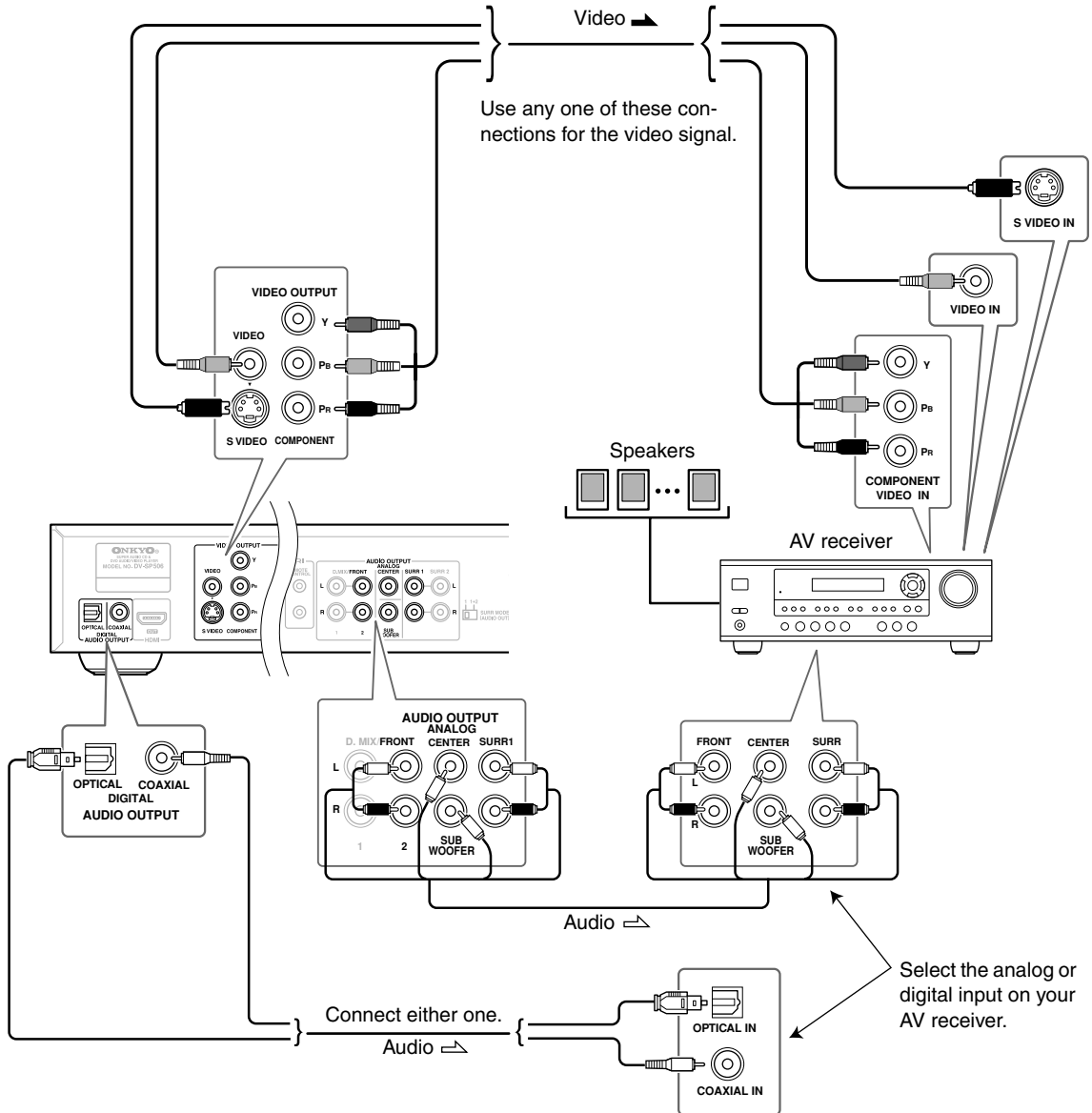


**Note:**
• Alternatively, the video signal can be fed directly to a TV by using a composite video, S-Video, or component video cable, whichever is suitable for the TV's inputs.

## ■ Connection method ④

(For more information on the audio settings for this connection method, see connection method ④ on page 24.)

Video and audio signals are fed to the TV via a single HDMI cable.
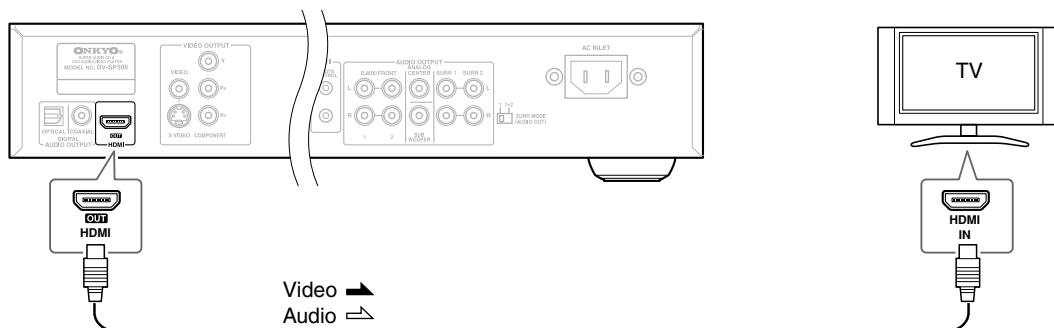


## ■ Connection method ⑤

(For more information on the audio settings for this connection method, see connection method ⑤ on page 24.)

The video signal is fed to the TV via a composite video, S-Video, or component video cable. The 2-channel analog audio signal is fed to the TV via an analog audio cable.
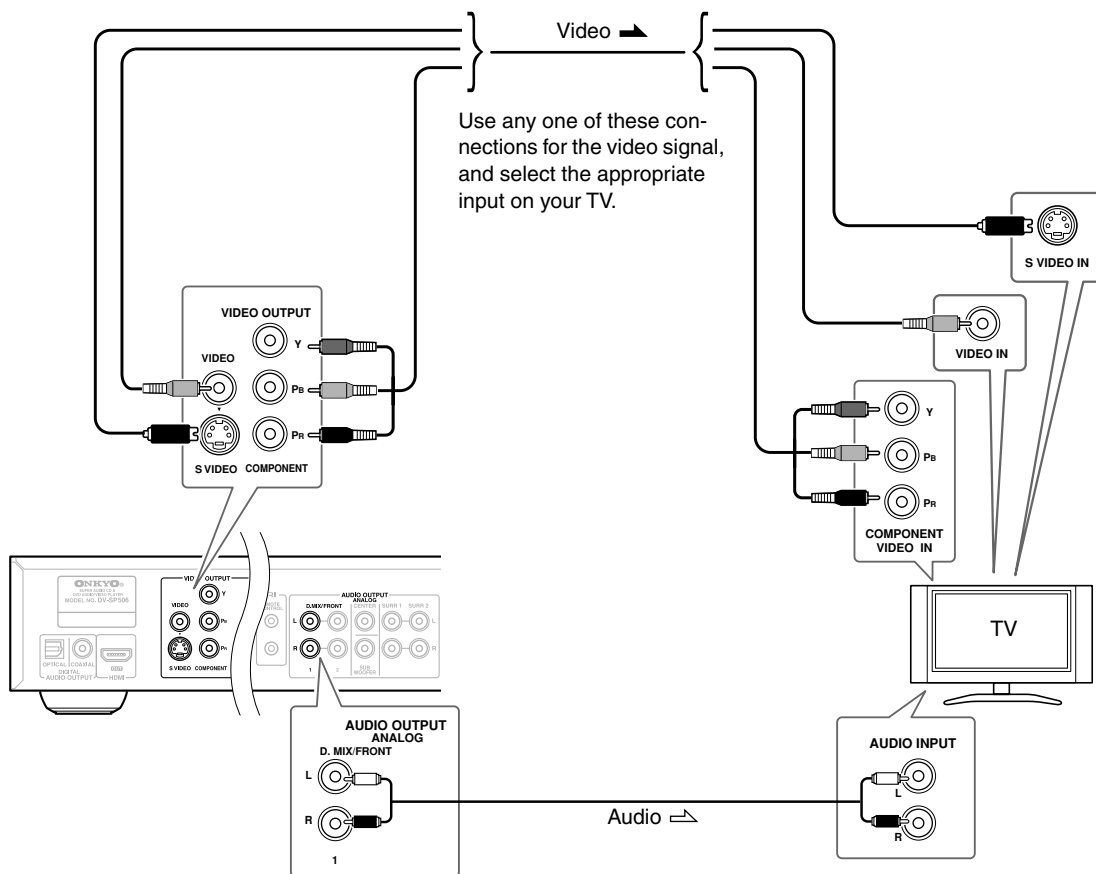
## Audio Settings

The following table explains the audio settings for the connection methods shown on the preceding pages.

| Connection method | | HDMI Audio Out setting (see page 51) | Audio output | Notes |
|---|---|---|---|---|
| ① | **Video and audio via HDMI** | Auto | Audio is output at optimum quality. | — |
| | | 6ch PCM | SACD audio is converted to 6-channel PCM with a sampling rate of 176.4 kHz. | Even if your AV receiver supports DSD, it may convert it to PCM (44.1 kHz), in which case this setting may provide better sound quality. |
| ② | **Video via HDMI, audio to AV receiver via digital or analog** | 6ch DSD | Multichannel SACD audio is output as DSD. | This setting can also be used to enjoy SACD playback via the multichannel analog audio output. |
| | | 2ch PCM | Use this setting to output the sound through your TV's speakers. | If you don't want to listen through your TV's speakers, select Off instead. |
| | | Off | Set the Speaker Configuration settings as necessary (see page 52). | Set the Speaker Configuration settings to get the best audio experience from your AV receiver. |
| ③ | **Video directly to TV, audio to AV receiver via digital or analog** | 2ch PCM | Use this setting to output the sound through your TV's speakers. | — |
| | | Off | Set the Speaker Configuration settings as necessary (see page 52). | Set the Speaker Configuration settings to get the best audio experience from your AV receiver. |
| ④ | **Video and audio to TV via HDMI** | Auto or 2ch PCM | Use this setting to output the sound through your TV's speakers. | 2-channel PCM will be fed to your TV with either the Auto or 2ch PCM setting. |
| ⑤ | **Video and audio to TV via analog** | Off | Set the Speaker Configuration settings as necessary (see page 52). | Set the Subwoofer, Center Speaker, and Surround Speaker settings to Off. Set the Front Speaker setting to Large. |

**Note:**
• While an SACD or DVD-Audio disc is loaded, the HDMI Output Setting, HD Resolution, and HDMI Audio Out settings cannot be changed. Eject the disc first if you need to change one of these settings.

## HDMI Audio Output Settings

The type of audio signals output by the DV-SP506's various audio outputs depends on the HDMI Audio Out, Digital Audio Out, and Speaker Configuration settings.

Use the tables below to help you choose the HDMI Audio Out settings most appropriate for your connection method.

For information on how to set the audio output settings, see "HDMI Audio Out" on page 51, "Digital Audio Out" on page 51, and "Speaker Configuration" on page 52.

### ■ HDMI Audio Output setting set to Auto
With the HDMI Audio Output setting set to Auto, the HDMI OUT outputs audio at optimum quality.

The following tables show how the HDMI Audio Output setting affects the signals used for the OPTICAL, COAXIAL, and analog audio outputs.

### ■ HDMI Audio Output setting set to 6ch DSD or 6ch PCM

| Disc type | Audio format | Audio output | | | |
|---|---|---|---|---|---|
| | | HDMI | OPTICAL & COAXIAL | Analog output | |
| | | | | Multichannel[1] | 2-channel |
| **Audio CD** | **44.1 kHz PCM** | S/PDIF (44.1 kHz) | S/PDIF (44.1 kHz) | 2ch | 2ch |
| **DVD-Video** | **96 kHz PCM** | S/PDIF (96 kHz)[2] | S/PDIF (96 kHz)[2] | 2ch | 2ch |
| | **48 kHz PCM** | S/PDIF (48 kHz) | S/PDIF (48 kHz) | 2ch | 2ch |
| | **Dolby Digital, DTS** | Bitstream[2] | Bitstream[2] | 6ch | Front |
| **DVD-Audio** | **2ch 176.4/192 kHz** | 2ch PCM | No output | 2ch | 2ch |
| | **6ch 88.2/96 kHz** | 6ch PCM | S/PDIF (88.2/96 kHz) | 6ch | Front |
| | **6ch 44.1/48 kHz** | 6ch PCM | S/PDIF (44.1/48 kHz) | 6ch | Front |
| **SACD[3]** | **Multichannel** | 6ch[3] | No output | 6ch[4] | Front |
| | **2-channel** | 2ch[4] | No output | 2ch[4] | 2ch |
| | **CD area** | 2ch PCM | S/PDIF (44.1 kHz) | 2ch | 2ch |

*1   Speaker Configuration Subwoofer, Center, and Surround settings all set to On.

*2   Depending on the connected HDMI component, the signal may be downsampled and converted to PCM.

*3   When the HDMI Audio Out setting is set to 6ch DSD, nothing is output by the OPTICAL and COAXIAL outputs.

*4   When the HDMI Audio Out setting is set to 6ch PCM, DSD is converted to 176.4 kHz PCM.

**Notes:**
- The 2-channel D.MIX/FRONT output signal is the same as Multichannel.
- The D.MIX/FRONT 1 and 2 outputs output the same signals.

■ **HDMI Audio Output setting set to 2ch PCM**

| Disc type | Audio format | Audio output | | Analog output |
|---|---|---|---|---|
| | | HDMI | OPTICAL & COAXIAL | Multichannel[*1] |
| Audio CD | 44.1 kHz PCM | S/PDIF (44.1 kHz) | S/PDIF (44.1 kHz) | 2ch |
| DVD-Video | 96 kHz PCM | S/PDIF (48 kHz) | S/PDIF (48 kHz) | 2ch |
| | 48 kHz PCM | S/PDIF (48 kHz) | S/PDIF (48 kHz) | 2ch |
| | Dolby Digital, DTS | S/PDIF (48 kHz) | S/PDIF (48 kHz) | 6ch |
| DVD-Audio | 2ch 176.4/192 kHz | S/PDIF (44.1/48 kHz) | S/PDIF (44.1/48 kHz) | 2ch |
| | 6ch 88.2/96 kHz | S/PDIF (44.1/48 kHz) | S/PDIF (44.1/48 kHz) | 6ch |
| | 6ch 44.1/48 kHz | S/PDIF (44.1/48 kHz) | S/PDIF (44.1/48 kHz) | 6ch |
| SACD | Multichannel | S/PDIF (44.1 kHz) | S/PDIF (44.1 kHz) | 6ch[*2] |
| | 2-channel | S/PDIF (44.1 kHz) | S/PDIF (44.1 kHz) | 2ch[*2] |
| | CD area | S/PDIF (44.1 kHz) | S/PDIF (44.1 kHz) | 2ch |

*1  Changes depending on the following settings: Subwoofer, Front Speaker, Center Speaker, Surround Speaker, Dolby Pro Logic.

*2  Analog audio is converted to PCM.

**Notes:**
- The 2-channel D.MIX/FRONT output signal is the same as Multichannel.
- The D.MIX/FRONT 1 and 2 outputs output the same signals.

■ **HDMI Audio Output setting set to Off**

| Disc type | Audio format | Audio output | | Analog output |
|---|---|---|---|---|
| | | OPTICAL & COAXIAL | | |
| | | Down Sample Off | Down Sample On | Multichannel[*1] |
| Audio CD | 44.1 kHz PCM | S/PDIF (44.1 kHz) | S/PDIF (44.1 kHz) | 2ch |
| DVD-Video | 96 kHz PCM | S/PDIF (96 kHz) | S/PDIF (48 kHz) | 2ch |
| | 48 kHz PCM | S/PDIF (48 kHz) | S/PDIF (48 kHz) | 2ch |
| | Dolby Digital, DTS | Bitstream[*2] | Bitstream[*2] | 6ch |
| DVD-Audio | 2ch 176.4/192 kHz | No output | S/PDIF (44.1/48 kHz) | 2ch |
| | 6ch 88.2/96 kHz | S/PDIF (88.2/96 kHz) | S/PDIF (44.1/48 kHz) | 6ch |
| | 6ch 44.1/48 kHz | S/PDIF (44.1/48 kHz) | S/PDIF (44.1/48 kHz) | 6ch |
| SACD | Multichannel | No output | S/PDIF (44.1 kHz)[*3] | 6ch |
| | 2-channel | No output | S/PDIF (44.1 kHz)[*3] | 2ch |
| | CD area | S/PDIF (44.1 kHz) | S/PDIF (44.1 kHz) | 2ch |

*1  Changes depending on the following settings: Subwoofer, Front Speaker, Center Speaker, Surround Speaker, Dolby Pro Logic.

*2  When the Digital Audio Out setting is set to PCM, the signal is converted to PCM.

*3  When the SACD Audio Setup setting is set to DSD, nothing is output by the OPTICAL and COAXIAL outputs.

**Notes:**
- The 2-channel D.MIX/FRONT output signal is the same as Multichannel.
- The D.MIX/FRONT 1 and 2 outputs output the same signals.

## Video Settings

The following table shows how the video settings affect the video outputs.

| Setting / Video output | HDMI Output Setting (page 49) | | | | | |
|---|---|---|---|---|---|---|
| | On | | | | Off | |
| | HD Resolution setting (page 46) | | | | Progressive Setting (page 46) | |
| | Auto (default) | 480i/576i | 480p/576p | 720p, 1080i, 1080p | Progressive | Interlaced |
| HDMI | ✓ | ✓*1 | ✓ | ✓*1 | No output | No output |
| Component | ✓ | ✓ | ✓ | ✓ | ✓*2 | ✓ |
| S-Video | ✓ | ✓ | ✓ | ✓ | No output | ✓ |
| Composite | ✓ | ✓ | ✓ | ✓ | No output | ✓ |
| AV CONNECTOR (European model only) | ✓*3 | ✓ | ✓ | ✓ | No output | ✓ |

*1  If your TV doesn't support the HD Resolution settings of 480i/576i, 720p, 1080i, and 1080p, you'll get no picture.

*2  If your TV doesn't support progressive scanning, you'll get no picture.

*3  With the SCART Output Setting, you can choose RGB, S-Video, or composite video for the AV CONNECTOR output. When RGB is selected, nothing will be output by the component video output (see page 51).

**Note:**
•  When the Progressive Setting is set to Progressive, no video will be output by any outputs other than the component video output. To reset the setting, press and hold down the Previous [|◄◄ ] button, then press the [ON/STANDBY] button.

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## Using SCART (European model only)

If your TV has a SCART-type AV input, you can use a SCART cable to connect the DV-SP506 to your TV. This type of connection carries both the sound and the picture, so there's no need to connect up the AUDIO OUTPUT L/R and VIDEO OUTPUT jacks.

• Use a SCART cable (not supplied) to connect the AV CONNECTOR to an AV input on your TV.
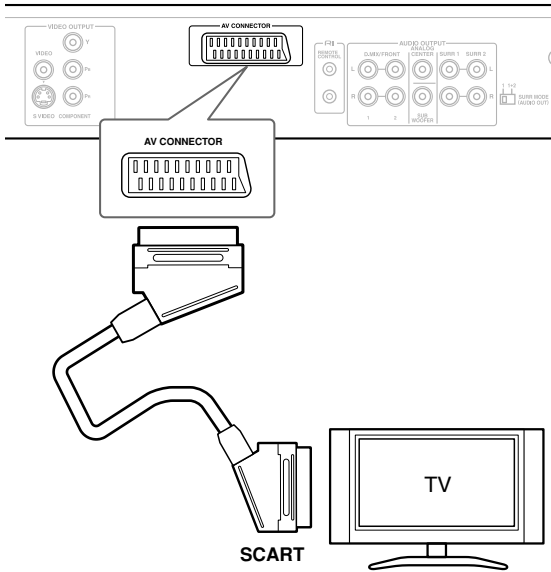


This connector can output composite video, S-Video, or RGB video. The default setting is composite, which should work with all TVs. Consult the manual that came with your TV to see if you can use one of the higher quality settings. See page 51 for how to change the video output.

## 7.1-channel Analog Audio Input

**If your AV receiver has a 7.1-channel analog audio input, connect it as follows.**

**Connect the DV-SP506's SURR 1 jacks to your AV receiver's surround input jacks, and connect the SURR 2 jacks to your AV receiver's surround back input jacks. The SURR 1 and SURR 2 outputs output the same signals.**

When you make this connection, set the SURR MODE switch to "1+2."

If you use this connection, the output level will be reduced by 3 dB (i.e., the volume level will be reduced slightly).
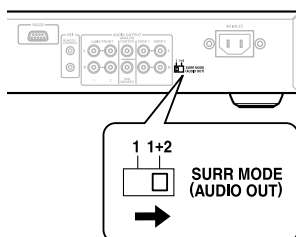


## Connecting RI-compatible Components
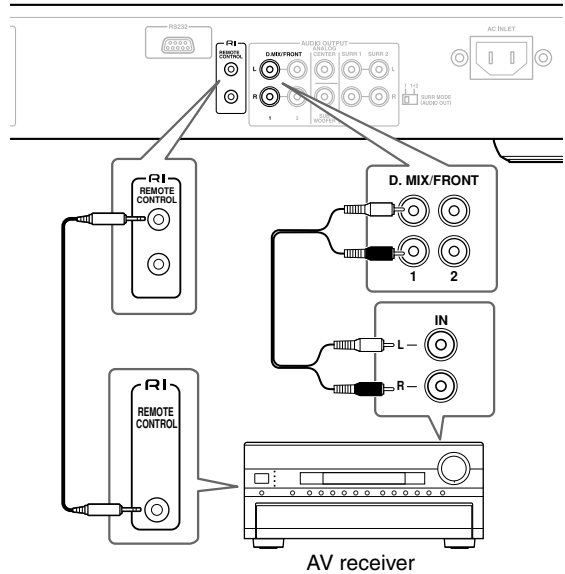


AV receiver

• The remote controller supplied with Onkyo AV receiver or amplifiers can be used to control the DV-SP506.
• The function of the upper and lower RI connectors are the same. Connect to either one.
• To use RI, in addition to an RI connection, you must also make an analog audio connection (RCA) between the DV-SP506 and your other RI-capable components.
• If you're using RIHD, do not connect anything to the RI connectors.

# Connecting the Power/Turning on the DV-SP506

**Before connecting**
- Make sure that all the connections on pages 18–28 are complete (the connection to a TV is required).

**ON/STANDBY**

**STANDBY indicator**

**ON** ───── **STANDBY**

- For the above reasons, do not plug the DV-SP506 into a switched power supply found on some amplifiers and AV receivers.

To a wall outlet
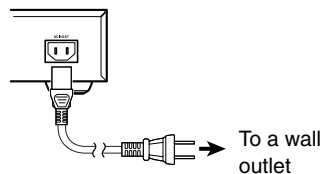
### 2 Press [ON/STANDBY] button on the DV-SP506 or [ON] on the remote controller.

**Turn on your TV and select the input through which the DV-SP506 is connected.**

**Remote controller**

The DV-SP506 turns on and the STANDBY indicator turns off.

- To put the DV-SP506 in the standby mode, press [ON/STANDBY] on the DV-SP506, or [STANDBY] on the remote controller.
- While the STANDBY indicator lights up, the DV-SP506 can receive signals from the remote controller.
- Setting the [ON/STANDBY] button to standby does not shut off the power completely.
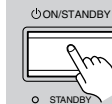
**Note:**
- The DV-SP506 features a screen saver and an auto power off function. If the DV-SP506 is stopped and no button is pressed for 15 minutes, the screen saver starts (see page 56). If the disc tray is closed but no disc is playing and no control is pressed for 20 minutes, the DV-SP506 automatically goes into standby (see page 58).

### 1 Plug the supplied power cord into the AC INLET and then into the power outlet on the wall.

- Do not use a power cord other than the one supplied with the DV-SP506. The power cord supplied is designed for use with the DV-SP506 and should not be used with any other device.
- Never have the power cord disconnected from the DV-SP506 while the other end is plugged into the wall outlet. Doing so may cause an electric shock. Always connect by plugging into the wall outlet last and disconnect by unplugging from the wall outlet first.
- Before unplugging the DV-SP506 from the power outlet, make sure you first switch it into standby.

## Adjusting the Display Brightness

You can adjust the brightness of the display as follows.

### 1 Press the [DIMMER] button repeatedly to cycle through the following options:

DIMMER

Dim, dimmer, or normal.

**Note:**
- When the display brightness is changed, the display brightness of other Onkyo AV components connected via ʀɪ also changes. This does not work for components connected via RIHD.

# Initial Setup

This chapter explains the settings you need to make the very first time the DV-SP506 is turned on.

**ENTER** — **▲ / ▼**
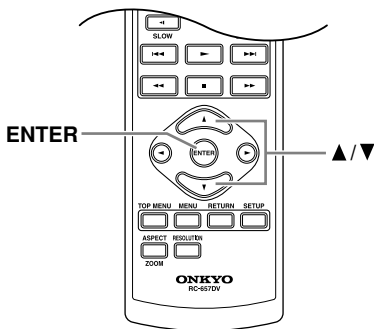
## First Time Setup

The very first time you turn on the DV-SP506, the Initial Setup menu appears onscreen.

| Initial Setup | |
|---|---|
| TV Shape | 4:3 Letter box |
| HDMI Output Setting | 4:3 Pan Scan |
| HDMI Audio Out | 16:9 Widescreen |
| On-Screen Language | ✔ 16:9 Compressed |
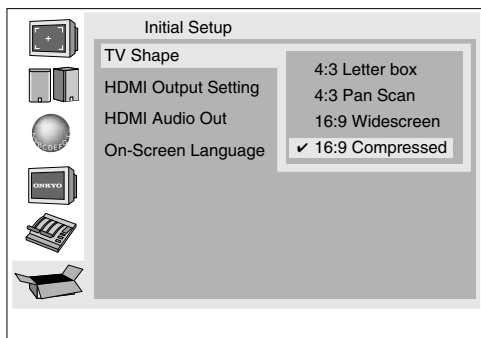
Here you need to make a few settings to get the DV-SP506 up and running. You can change these settings later (see page 48).

### 1

**Remote controller**

**Use the Up and Down [▲]/[▼] buttons to select a TV shape, and then press [ENTER].**
Select "4:3 Letter box" or "4:3 Pan Scan" if you have a 4:3 TV. Select "16:9 Widescreen" or "16:9 Compressed" if you have a widescreen TV. See page 49 for more information.

| Initial Setup | |
|---|---|
| TV Shape | 4:3 Letter box |
| HDMI Output Setting | 4:3 Pan Scan |
| HDMI Audio Out | 16:9 Widescreen |
| On-Screen Language | ✔ 16:9 Compressed |

The "HDMI Output Setting" menu appears next.

### 2

**Remote controller**

**Use the Up and Down [▲]/[▼] buttons to select "On" or "Off" for the "HDMI Output Setting," and then press [ENTER].**
Select "On" to use the HDMI output.

| Initial Setup | |
|---|---|
| TV Shape | : 16:9 Compressed |
| HDMI Output Setting | ✔ On |
| HDMI Audio Out | Off |
| On-Screen Language | |

The "HDMI Audio Out" menu appears next.

### 3

**Remote controller**

**Use the Up and Down [▲]/[▼] buttons to select a setting for the "HDMI Audio Out," and then press [ENTER].**
See page 51 for more information on the settings.

| Initial Setup | |
|---|---|
| TV Shape | : 16:9 Compressed |
| HDMI Output Setting | : On |
| HDMI Audio Out | ✔ Auto |
| On-Screen Language | 6ch DSD |
| | 6ch PCM |
| | 2ch PCM |
| | Off |

The "On-Screen Language" menu appears next.

### 4

**Remote controller**

**Use the Up and Down [▲]/[▼] buttons to select a language, and then press [ENTER].**
See page 54 for more information on the language options.

| Initial Setup | |
|---|---|
| TV Shape | : 16:9 Compressed |
| HDMI Output Setting | : On |
| HDMI Audio Out | |
| On-Screen Language | ✔ English |
| | Français |
| | Español |
| | Deutsch |
| | Italiano |

The Initial Setup menu closes and the setup is complete.
The DV-SP506 is now ready to use.

**Notes:**
- You can cancel the Initial Setup by pressing the [SETUP] button and complete the settings later by using the onscreen setup menus (see page 48).
- This procedure can also be performed by using the buttons on the DV-SP506's front panel.
- When the DV-SP506 is connected via HDMI, and the HDMI Control setting is set to On (default), the language settings on a CEC-compatible TV may affect the onscreen displays.

# Playing Discs

This chapter covers basic playback. Advanced playback functions are covered in the next chapter.

**Important:**

• Throughout this manual, the term *DVD* refers to DVD-Video, DVD-Audio, DVD-R/RW, and DVD+R/RW discs. When a function is specific to a particular type of DVD disc, it will be specified.
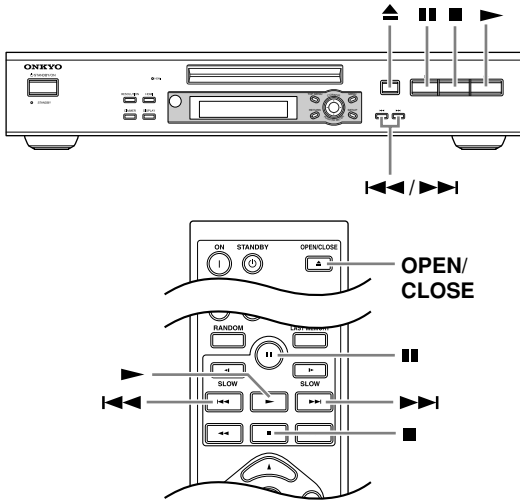


**1** **Press ▲ OPEN/CLOSE to open the disc tray.**

**Remote controller**

OPEN/CLOSE

**2** **Load a disc.**

Load a disc with the label side facing up, using the disc tray guide to align the disc (if you're loading a double-sided DVD disc, load it with the side you want to play face down).
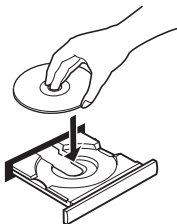


**3** **Press ▲ OPEN/CLOSE.**

The disc tray closes and the relevant disc type indicator appears on the display.

**Tip:**

If you press the Play [▶] button, the disc tray will close and, depending on the type of disc, playback will start automatically.

• For details on playing JPEG picture discs, see "Viewing a Slideshow of JPEG Images" on page 36.

**Remote controller**

OPEN/CLOSE

**Note:**

• Only load discs that are supported by the DV-SP506. See pages 8 to 10.

## Starting, Pausing & Stopping Playback

This section explains how to start, pause, and stop playback.

■ **Start** **To start playback, press the Play [▶] button.**

Playback starts and the Play ▶ indicator appears on the display.

If you're playing a DVD-Video disc, or a VCD with PBC (Playback Control), you may need to start playback from a menu (see page 34).

See page 35 for more on MP3 discs.

**Remote controller**

■ **Pause** **To pause playback, press the Pause [❚❚] button.**

Playback pauses and the Pause ❚❚ indicator appears on the display.

To resume playback, press the Play [▶] button.

Playback resumes and the Pause ❚❚ indicator disappears.

For DVD-Audio discs, pause cannot be used while a menu is displayed.

**Remote controller**

■ **Stop**

■
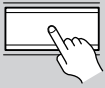
**Remote controller**

**To stop playback, press the Stop [■] button.**

Playback stops and the Play ▶ indicator disappears.

• When you stop playback of a DVD-Video disc, the DV-SP506 remembers the point at which playback was stopped and "RESUME" appears onscreen.

> *RESUME*

• To resume playback from that point, press the Play [▶] button. To cancel the Resume function, press the Stop [■] button again. The Resume function is reset when the disc is removed from the DV-SP506.

• With the Last Memory function you can resume playback from any point even if the disc has been removed (see page 42).

**Notes:**

• Prolonged display of the same picture or menu may cause irreparable damage to your TV screen known as *screen burn-in*. To prevent this, don't keep playback paused for too long and always press the Stop [■] button when you've finished playing a DVD-Video disc or VCD. The DV-SP506 features a screen saver to protect your TV from the effects of burn-in (see page 56).

• With some DVD-Video discs, you may experience picture noise that is not normally visible with standard TV broadcasts. This is usually because DVD-Video uses a lot of high-resolution video data. The amount of noise, if any, will depend on your particular TV and the problem can sometimes be alleviated by turning down the TV's sharpness control.

## Select Next & Previous track/chapter

DVD-V DVD-A SACD VCD CD MP3 WMA DivX JPEG

The North American model does not support DivX.

This section explains how to skip to the next and previous track and chapter.

■ **Select Next track/ chapter**

▶▶I

**Remote controller**

▶▶I

**During Playback, press the Next [▶▶I] button to select next track/ chapter.**

The Next track/chapter starts playback.

■ **Select Previous track/ chapter**

I◀◀

**Remote controller**

I◀◀

**During Playback, press the Previous [I◀◀] button to select previous tack/chapter.**

The first press selects the beginning of the current track.
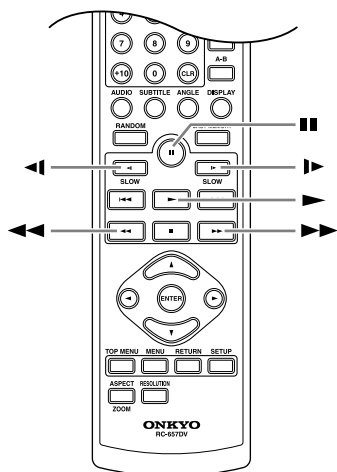
## Fast Forward & Reverse

DVD-V  DVD-A  SACD  VCD  CD  MP3  DivX  WMA

The North American model does not support DivX.
This section explains how to fast forward and reverse.

| ■ **Fast forward** | **During playback, press the [▶▶] button to start fast forward.** |
|---|---|
| **Remote controller** | Playback fast forwards and "▶▶ x 2" appears onscreen. |
| | To change the fast-forward speed, press the [▶▶] button repeatedly to select: ▶▶ x 2, ▶▶ x 4, ▶▶ x 8, ▶▶ x16. |
| | To resume normal playback, press the Play [▶] button. |
| ■ **Fast reverse** | **During playback, press the [◀◀] button to start fast reverse.** |
| **Remote controller** | Playback reverses and "◀◀ x 2" appears onscreen. |
| | To change the fast-reverse speed, press the [◀◀] button repeatedly to select: ◀◀ x 2, ◀◀ x 4, ◀◀ x 8, ◀◀ x 16. |
| | To resume normal playback, press the Play [▶] button. |

**Notes:**
- Fast forward and fast reverse may not always work at the speed shown onscreen.
- For discs other than audio CDs, no sound is output during fast forward or fast reverse.
- For DVD-Audio discs, fast forward and fast reverse cannot be used while a menu is displayed.

## Forward Frame-by-Frame Playback

DVD-V  VCD

With frame-by-frame playback you can view individual picture frames one at a time forward.

| ■ **Forward frame-by-frame** | **Press the Pause [❚❚] button.** |
|---|---|
| | Playback pauses and "❚❚ Pause" appears onscreen. |
| **Remote controller** | **Press it repeatedly to view subsequent frames.** |
| | To resume normal playback, press the Play [▶] button. |

## Slow-motion Playback

DVD-V

With slow-motion playback you can watch a scene slowly either forward or backward.
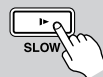
| ■ **Forward slow motion** | **During playback or paused, press the SLOW Forward [I▶] button.** |
|---|---|
| | Forward slow-motion playback starts and "I▶1/2" appears onscreen. |
| **Remote controller** | To change the slow-motion speed, press the SLOW Forward [I▶] button repeatedly to cycle through the speeds: 1/2, 1/4, 1/6, 1/8. |
| | To resume normal playback, press the Play [▶] button. |
| ■ **Backward slow motion** | **During playback or paused, press the SLOW Back [◀I] button.** |
| | Backward slow-motion playback starts and "◀I1/2" appears onscreen. |
| **Remote controller** | To change the slow-motion speed, press the SLOW Back [◀I] button repeatedly to cycle through the speeds: 1/2, 1/4, 1/6, 1/8. |
| | To resume normal playback, press the Play [▶] button. |

**Note:**
- Backward slow-motion playback cannot be used with DivX and Video CD. For Video CD, the slow-motion speed cannot be changed.

33

TOP MENU ▲/▼/◄/►, ENTER

MENU ◄◄/►►

Number buttons

ENTER

▲/▼/◄/►

TOP MENU

MENU

## Navigating DVD & VCD Disc Menus

DVD-V DVD-A VCD

DVD-Video discs usually have a menu from which you can select titles, chapters, and other options, including soundtracks, subtitles, and audio formats (e.g., Dolby Digital or DTS). VCDs that support PBC (Playback Control) may also have an onscreen menu.

*1* **Load a DVD or VCD.**
With DVDs, a menu usually appears when the Play [►] button is pressed. If it doesn't, try pressing the [TOP MENU] button.
With VCDs that support PBC, you may have to press the Play [►] button to display the menu.

*2* **Remote controller**
**On a DVD menu, use the cursor [▲], [▼], [◄], [►] buttons to select an item, and then press [ENTER].**

*Remote controller*
**On a VCD menu, use the number buttons to select the tracks.**
If the VCD's menu consists of several pages, use the Next [►►|] and Previous [|◄◄] buttons to view them. During playback, you can return to the menu by pressing the [RETURN] button.

**Notes:**
• This procedure can also be performed by using the buttons on the DV-SP506's front panel.
• Not all DVDs and VCDs have menus.
• Menu operation varies from disc-to-disc. See the disc's sleeve notes for details.
• On some DVDs, to display the disc menu, press the [MENU] button.

**To set VCD's PBC on and off**
PBC menus can turned on or off by pressing the [TOP MENU] button.

## Navigating CDs & Super Audio CDs

CD SACD

This section explains how to play audio CDs and Super Audio CDs with the Disc Navigator.

*1* **Load an audio CD or Super Audio CD.**
The Disc Navigator appears.



■ Stop     Disc   CD

/Track01.CDA
♪ 001. Track01          Repeat   :Off
♪ 002. Track02          Random   :Off
♪ 003. Track03
♪ 004. Track04
♪ 005. Track05
♪ 006. Track06
♪ 007. Track07
♪ 008. Track08   ▼

The tracks are displayed.

*2* **Remote controller**
**Use the Up and Down [▲]/[▼] buttons to select a track, and press [ENTER] to start playback.**
With SACDs, you can select the multichannel area, 2-channel area, or CD layer by pressing the [AUDIO] button.
**Notes:**
• This procedure can also be performed by using the buttons on the DV-SP506's front panel.
• During random playback or memory playback, the cursor buttons cannot be used.

ENTER

▲ / ▼/ ◄ / ►

RETURN
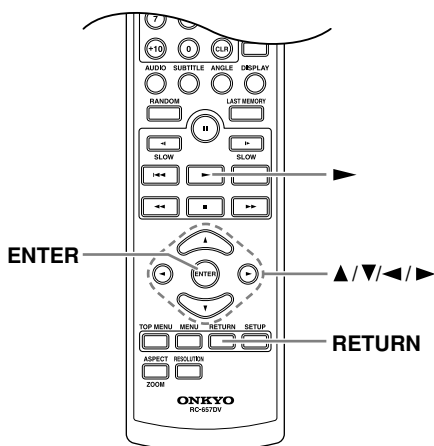
## Navigating MP3, WMA & DivX Discs

MP3  WMA  DivX

The North American model does not support DivX.
This section explains how to play MP3, WMA, and
DivX files with the Disc Navigator.

| *1* | **Load an MP3, WMA, or DivX disc.** The Disc Navigator appears. |
|---|---|



Initially, the folders in the root direc-
tory are displayed.

The DV-SP506 numbers folders and
tracks in hierarchical order. You can use
these numbers to select folders and
tracks directly with the Search function
(see page 37).

| *2* Remote controller | **To open a folder, use the Up and Down [▲]/[▼] buttons to select it, and then press [ENTER].** The contents of the folder are displayed. |
|---|---|



| *3* Remote controller | **Use the Up and Down [▲]/[▼] buttons to select tracks and sub-folders in the open folder.** To open a folder in the list, press the [ENTER] button. To close a folder (i.e., move back up the directory tree), press the [RETURN] button. Alternatively, select the item at the top of the list and press the [ENTER] button. Use the Left and Right [◄]/[►] buttons to display the other folders that contain playable tracks. |
|---|---|

| *4* Remote controller or | **To play the selected track, press the Play [►] or [ENTER] button.** If available, the ID3 tag information, (Title name, Artist name, Album name, and so on) will scroll across the bottom of the screen. |
|---|---|



For MP3 playback

Subsequent tracks in the same folder
are played in order.

| *5* Remote controller | **Press the Stop [■] button to stop playback.** |
|---|---|

**Notes:**

• This procedure can also be performed by using the
buttons on the DV-SP506's front panel.

• During random playback or memory playback, the
cursor buttons cannot be used.

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## Viewing a Slideshow of JPEG Images

*JPEG*

This section explains how to display a slideshow of JPEG images on your TV.

### *1* Load a JPEG disc.
The Disc Navigator appears.

```
■ Stop          Disc  DATA
▭ 1/17  ♪ -/-
 /jpg
  ▭ 001. jpg
    ▭ 002. image0        Repeat  :Off
    ▭ 003. image1        Random  :Off
    ▭ 004. image2
    ▭ 005. image3
    ▧ 001. 001
    ▧ 002. 002
    ▧ 003. 003      ▼
```

Initially, the folders in the root directory are displayed.
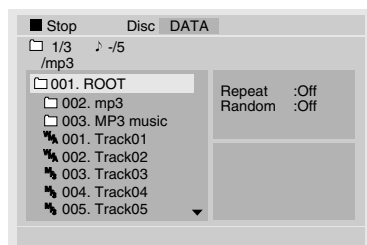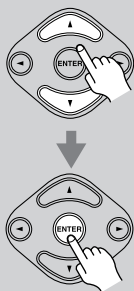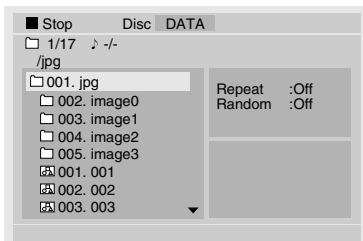The DV-SP506 numbers folders and files in hierarchical order. You can use these numbers to select folders and files directly with the Search function (see page 37).
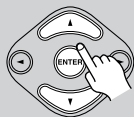
### *2* Remote controller
**To open a folder, use the Up and Down [▲]/[▼] buttons to select it, and then press [ENTER].**
The contents of the folder are displayed.
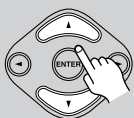
### *3* Remote controller
**Use the Up and Down [▲]/[▼] buttons to select images and subfolders in the open folder.**
A thumbnail-size preview for the currently selected image is displayed.
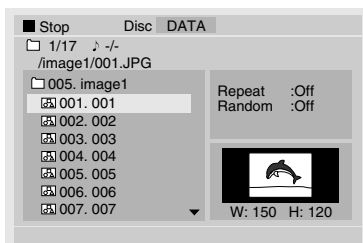
```
■ Stop          Disc  DATA
▭ 1/17  ♪ -/-
 /image1/001.JPG
  ▭ 005. image1
    ▧ 001. 001        Repeat  :Off
    ▧ 002. 002        Random  :Off
    ▧ 003. 003
    ▧ 004. 004
    ▧ 005. 005
    ▧ 006. 006
    ▧ 007. 007      ▼   W: 150  H: 120
```

To open a folder in the list, press the [ENTER] button. To close a folder (i.e., move back up the directory tree), press the [RETURN] button. Alternatively, select the item at the top of the list and press the [ENTER] button.

Use the Left and Right [◄]/[►] buttons to display other folders that contain JPEG images.

### *4* Remote controller

or

**To play a slideshow, press the Play [►] or [ENTER] button.**
Subsequent images are displayed in order, with each image being displayed for five seconds.
To display an image for longer, press the Pause [❚❚] button. Press the Play [►] button to resume.
Use the Previous and Next [◄◄]/[►►❚] buttons to view the previous or next image.
To flip a picture 180 degrees, use the Up and Down [▲]/[▼] buttons (not while zoomed in).
To rotate a picture counterclockwise or clockwise, use the Left and Right [◄]/[►] buttons (not while zoomed in).
To zoom in or out, use the [►►] and [◄◄] buttons. While zoomed in, use the [◄]/[►]/[▲]/[▼] buttons to move around the picture.

### *5* Remote controller
**To stop the slideshow, press the Stop [■] or [MENU] button.**
The slideshow stops automatically when all pictures have been displayed.

**Note:**
• This procedure can also be performed by using the buttons on the DV-SP506's front panel.

### ■ To display thumbnails
To display thumbnails, in step 3, after opening the folder you want to display, press the [TOP MENU] button.
Use the cursor [▲], [▼], [◄], [►] buttons to select the thumbnails, and press [ENTER] to start a slideshow.
Press the [MENU] button to return to the Disc Navigator.

### ■ About HD JPEG
If your TV is connected via HDMI and the HDMI resolution is set to 720p, 1080i, or 1080p, you can view your JPEG images in high definition (see page 50).
The Zoom function cannot be used with HD JPEG.

# Advanced Playback

**Number buttons**

**SEARCH**

**ENTER**

**►**
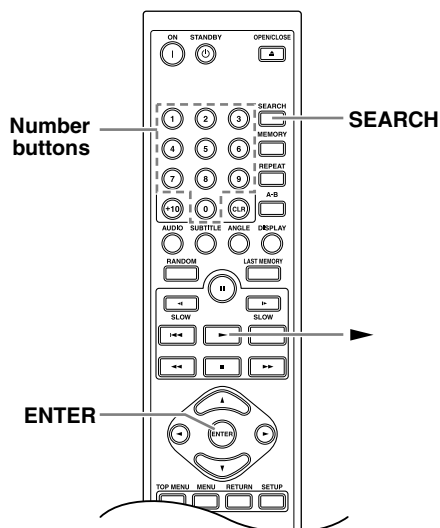
## Selecting Chapters/Titles/Tracks/Folders/Groups by Number

DVD-V   DVD-A   SACD   VCD   CD   MP3   WMA   DivX

The North American model does not support DivX.
With the Search function you can select chapters, titles, tracks, folders, and groups by number.

### 1

**Remote controller**

**SEARCH**

**Press the [SEARCH] button.**
The Search window appears onscreen.

This is what appears for DVDs.

| Search | | |
|---|---|---|
| Disc | Title | Chapter |
| DVD-VIDEO | Current/Total  1/ 19 | Current/Total - - -/ 78 |

This is what appears for CDs.

| Search | |
|---|---|
| Disc | Track |
| CD | Current/Total  - -/ 10 |

### 2

**Remote controller**

**Use the number buttons to specify a title, chapter, track, folder, or group number.**

To enter, for example, "12," press the [1] button followed by the [2] button.

| Search | | |
|---|---|---|
| Disc | Title | Chapter |
| DVD-VIDEO | Current/Total 12/ 19 | Current/Total  5/ 7 |

Entered title number appears here

Entered chapter number appears here

If you're playing a DVD-Video, DVD-Audio, MP3, WMA, or DivX disc, use the Left and Right [◄]/[►] buttons to select the Title/Group/Folder and Chapter/Track fields.
To clear a number, press the [CLR] button.

### 3

**Remote controller**

**►**

**or**

**ENTER**

**Press the Play [►] or [ENTER] button to start playback of the specified title, chapter, or track.**

**Notes:**

- During playback, you can select other chapters or tracks directly by using the number buttons (i.e., without pressing the [SEARCH] button). For example, to select chapter #2, simply press [2]. To select chapter #10, press [1] and [0].
- DVD-Video discs usually have menus for selecting titles and chapters.
- When Video CD PBC is on, you can't search for tracks. Turn PBC off first.
- The [SEARCH] button cannot be used during random playback or memory playback.
- Search may not work with some discs.
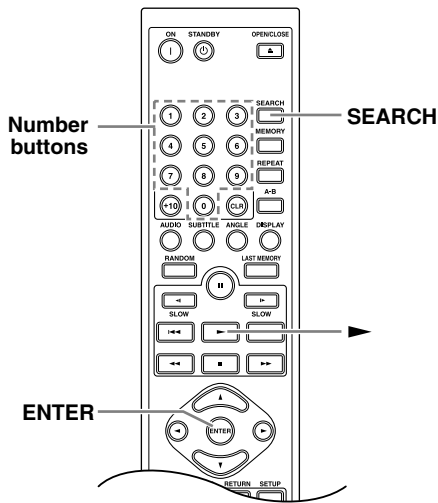
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**Number buttons**

**SEARCH**

**ENTER**

## Searching by Time

DVD-V  DVD-A  SACD  VCD  CD

With the Search function you can search by time.

| **1** Remote controller  SEARCH | **During playback, press the [SEARCH] button twice.** The Search window appears onscreen.  Search  Disc  Time  DVD-VIDEO  -:--:-- |
|---|---|
| **2** Remote controller  ① ② ③  ④ ⑤ ⑥  ⑦ ⑧ ⑨  ⓪ | **Use the number buttons to enter a time.** Time search only works within the current title or track. To enter, for example, 5 minutes, 30 seconds, press [5] [3] [0] buttons.  Search  Disc  Time  DVD-VIDEO  -:-5:30  To clear a number, press the [CLR] button. |

| **3** Remote controller  ►  or  ENTER | **Press the Play [►] or [ENTER] button to start playback of the specified time.** |
|---|---|
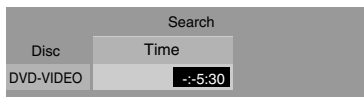
**Notes:**
- In some cases, playback may start from a slightly different point to the one that you specify.
- Time search may not work with some discs.
- Time search cannot be used while a DVD-Video or Video CD menu is displayed onscreen.
- The [SEARCH] button cannot be used during random playback or memory playback.

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## A-B Repeat Playback

DVD-V  SACD  VCD  CD  MP3  WMA

With the A-B Repeat function you can play a specified section over-and-over again.

| *1* Remote controller A-B | **During playback, press the [A-B] button to set the A point (i.e., the start of the section you want to repeat).** "Repeat A-" appears onscreen, and the ⟲ A indicator and "R_A" appear on the display. |
|---|---|
| *2* Remote controller A-B | **Press the [A-B] button again to set the B point (i.e., the end of the section you want to repeat).** Playback repeats between the A and B points, and "Repeat A-B" appears onscreen. ⟲ A-B indicator and "R_AB" appear on the display. |
| *3* Remote controller A-B | **To cancel A-B repeat playback, press the [A-B] button.** |

**Notes:**
• The A-B Repeat function may not work with some DVD-Video discs and VCDs that support PBC.
• In some cases, the A and B points may be at slightly different points to the ones that you specify.

**REPEAT**
**A–B**

## Repeat Playback

DVD-V  DVD-A  SACD  VCD  CD  MP3  WMA  JPEG

With the Repeat function you can play a disc, title, chapter, group, track, or folder over-and-over again.

| *1* Remote controller REPEAT | **During playback, press the [REPEAT] button repeatedly to select a repeat option.** ⟲ indicator appears in the display. The selected repeat option appears onscreen. The available options depend on the type of disc, as follows: **DVD-Video:** Chapter Repeat, Title Repeat, Disc Repeat, Repeat Off. **DVD-Audio:** Track Repeat, Group Repeat, Repeat Off. **SACD, VCD, CD:** Track Repeat, Disc Repeat, Repeat Off. **MP3, JPEG, WMA:** Track Repeat, Folder Repeat, Disc Repeat, Repeat Off. |
|---|---|
| *2* Remote controller REPEAT | **To cancel repeat playback, use the [REPEAT] button to select "Repeat Off."** |

**Notes:**
• Repeat playback may not work with some discs.
• If the Memory function is on (see page 41), the selectable options are Memory Repeat, which plays the playlist repeatedly, and Repeat Off.
• For VCD discs, the Repeat function is not available when PBC is on (see page 34).

RANDOM

## Random Playback

DVD-V  DVD-A  SACD  VCD  CD  MP3  WMA

With the Random function you can enjoy a random
selection of titles, chapters, groups, tracks, or folders.

| *1* | **During playback, press the [RAN-DOM] button repeatedly to select a random option.** |
|---|---|
| **Remote controller** | RANDOM indicator appears in the display. |
| RANDOM | The selected random option appears onscreen. |
| | The options available depends on the type of disc, as follows: |
| | **DVD-Video:** Title Random, Disc Random, Random Off. |
| | **DVD-Audio:** Group Random, Random Off. |
| | **SACD, VCD, CD:** Disc Random, Random Off. |
| | **MP3, WMA:** Folder Random, Disc Random, Random Off. |
| | With the Title Random option, chapters within the current title are played at random. With the Disc Random option, titles, chapters, groups, tracks, or folders on the disc are played at random. |
| | Random playback begins after the current chapter or track has finished. Random playback stops automatically when all of the items have been played once. |

| *2* | **To cancel random playback, use the [RANDOM] button to select "Random Off."** |
|---|---|
| **Remote controller** | |
| RANDOM | |

**Notes:**
- Random playback may not work with some discs.
- To use the Random function with a VCD that supports PBC, you must first turn off PBC (see page 34).
- If the Memory function is on (page 41), random playback is unavailable.
- You can't use the [SEARCH] button during random playback.
- During random playback, the remote controller's cursor [▲], [▼], [◄], [►] buttons and number buttons don't work with the Disc Navigator.
- The Random function cannot be used with JPEG files.
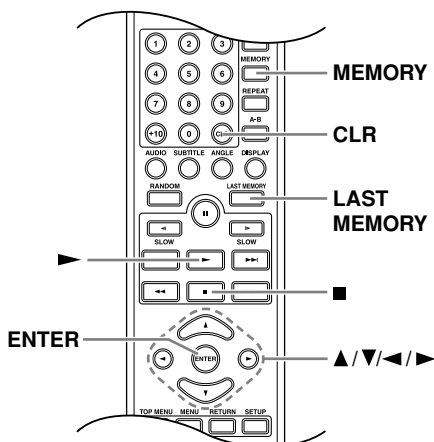
## Memory Playback

DVD-V  DVD-A  SACD  VCD  CD  MP3  WMA

With the Memory Playback function you can create your own memory list of chapters, and tracks.

**1**
Remote controller

MEMORY

**Press the [MEMORY] button.**
MEMORY indicator appears in the display.

The Memory List window appears onscreen, as shown.

| Memory List | | |
|---|---|---|
| No. | Title/Folder | Chapter/Track |
| ► | Current/Total 001 / 019 | Current/Total --- / 078 |
| 01 | --- / 019 | --- / 078 |
| 02 | --- / 019 | --- / 078 |
| 03 | --- / 019 | --- / 078 |
| 04 | --- / 019 | --- / 078 |
| 05 | --- / 019 | --- / 078 |
| 06 | --- / 019 | --- / 078 |
| 07 | --- / 019 | --- / 078 |
| 08 | --- / 019 | --- / 078 |

The top row (►) is used to enter title/folder and chapter/track numbers.
Items in the memory list are numbered.

**2**
Remote controller

**Enter the title/folder/group, and chapter/track numbers of the item you want to add to the memory list, and then press [ENTER].**
Use the remote controller's Left/Right [◄]/[►] buttons to select the parameters, and use the number buttons to enter the number.
The new item is added to the memory list as item 01.

**3**
**Repeat step 2 to add more items to the memory list.**
You can add up to 32 items to the memory list.

**4**
Remote controller

**To play the memory list, press the Play [►] button.**
The Memory Play Setup window must be open when you press the Play [►] button.

**5**
Remote controller

**To stop playback, press the Stop [■] button.**
While playback is stopped, you can delete the memory list by pressing the [CLR] button.
While playback is stopped, you can cancel the Memory Playback function by pressing the Stop [■] button again.

### Adding New Items to the List

**1**
Remote controller
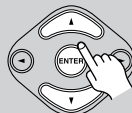
**Use the Up/Down [▲]/[▼] buttons to select the item before which you want to insert the new item, and then press the [ENTER] button.**

| Memory List | | |
|---|---|---|
| No. | Title/Folder | Chapter/Track |
| ► | Current/Total 001 / 019 | Current/Total --- / 078 |
| 01 | 005 / 019 | 001 / 078 |
| 02 | 002 / 019 | 012 / 078 |
| 03 | --- / 019 | --- / 078 |
| 04 | 003 / 019 | 004 / 078 |
| 05 | 010 / 019 | 003 / 078 |
| 06 | --- / 019 | --- / 078 |
| 07 | --- / 019 | --- / 078 |
| 08 | --- / 019 | --- / 078 |

**2**
Remote controller

**Enter the title/folder, and chapter/track numbers of the item to be inserted.**
Use the remote controller's Left/Right [◄]/[►] buttons to select the parameters, and use the number buttons to enter the number.

**3**
Remote controller

**Press the [ENTER] button.**
The new item is inserted into the memory list.

MEMORY

CLR

LAST MEMORY

►

■

ENTER

▲ / ▼ / ◄ / ►

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### *Deleting Items from the List*

| | |
|---|---|
| **Remote controller**<br>(CLR) | **Use the Up/Down [▲]/[▼] buttons to select it, and then press the [CLR] button.**<br>The item is deleted and subsequent items move up the list. |

### *Editing Items*

| | |
|---|---|
| *1*<br>**Remote controller** | **Use the Up/Down [▲]/[▼] buttons to select the item.** |
| *2*<br>**Remote controller** | **Use the Left/Right [◀]/[▶] buttons and number buttons to edit the title/folder or chapter/track numbers, and then press [ENTER].** |

**Notes:**

- To close the Memory List window, press the [RETURN] button.
- The memory list will be deleted when the DV-SP506 is set to Standby or the disc tray is opened.
- To use this function with a VCD that supports PBC, you must first turn off PBC.
- The Memory Playback function cannot be used with some discs.
- JPEG images can be added to the memory list, however, they will not be displayed.
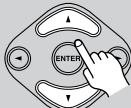
## Last Memory

DVD-V

With the Last Memory function you can resume playback from where you left off even if the disc has been removed and the DV-SP506 has been set to Standby. Last Memory also remembers the soundtrack and subtitle settings you were using.

| | |
|---|---|
| *1*<br>**Remote controller**<br>LAST MEMORY | **During DVD playback, press the [LAST MEMORY] button.**<br>The last memory point for the disc is stored, "LAST MEM" appears on the display.<br>If the [LAST MEMORY] button is pressed again, the last memory point is updated. |
| *2*<br>**Remote controller** | **To stop playback, press the Stop [■] button.**<br>**Now you may remove the disc and turn off the DV-SP506.** |
| *3*<br>**Remote controller** | **To resume playback, load the disc, and then press the Play [▶] button.**<br>The Last Memory dialog box appears.<br><br>Last Memory is set.<br>Start playback from memory location?<br><br>Yes　　No　　Memory Clear |
| *4*<br>**Remote controller** | **To resume playback from the last memory point, select "Yes," and then press [ENTER].**<br>To start playback from the beginning, select "No," and then press [ENTER].<br>To start playback from the beginning and delete the last memory point, select "Memory Clear," and then press [ENTER]. |

**Notes:**

- The Last Memory function can store the last point for up to six DVDs. When you set the Last Memory function for a seventh disc, the first disc's settings are deleted.
- The Last Memory function will not work while a menu is being displayed onscreen.
- The Last Memory function may not work with some DVDs.

## Zooming

DVD-V  VCD  JPEG

With the Zoom function you can enlarge any part of the picture.
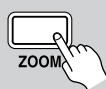
| | |
|---|---|
| ***1*** <br> **Remote controller** <br> ZOOM | **During playback or while playback is paused, press and hold the [ZOOM] button for 2 seconds.** <br> "Zoom x1.0" appears onscreen. |
| ***2*** <br> **Remote controller** <br> ZOOM | **Press the [ZOOM] button again repeatedly to Zoom in.** <br> The number of zoom steps available depends on the resolution of the disc or file. <br> After the maximum zoom, the picture returns to its normal size. |
| ***3*** <br> **Remote controller** | **To see other areas of the picture while zoomed, use the remote controller's cursor [▲], [▼], [◄], [►] buttons.** |
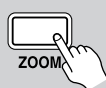
**Notes:**
• The Zoom function may not work with some discs.
• The Zoom function can also be used during slow-motion playback.
• The Zoom function cannot be used with HD JPEG playback or disc menus.
• You can use the Fast Forward [►►] and Fast Reverse [◄◄] buttons to zoom in and out during a slideshow.

• When playback is stopped, the [ZOOM] button is used to set the View Mode (see page 49).
• When playback is stopped, the [ASPECT] (ZOOM) button can be used to set the aspect ratio of the picture .

## Selecting Camera Angles

DVD-V

Some DVDs feature multiple camera angles that allow you to view scenes from different angles. When a DVD features multiple camera angles, the camera 🎥 indicator appears on the display. Such discs usually have the camera angle logo (🎥) printed on the sleeve.

| | |
|---|---|
| **Remote controller** <br> ANGLE | **Press the [ANGLE] button repeatedly to cycle through the available camera angles.** <br> The number of the currently selected camera angle appears onscreen. For example, on a disc with three camera angles, you'd see 1/3, 2/3, and 3/3. |

**Notes:**
• With some DVDs you may not be able to select different camera angles even though the camera 🎥 indicator is displayed.
• With some DVDs you can select camera angles from a menu.
• With some DVDs you cannot select camera angles while playback is paused.

AUDIO          SUBTITLE

## Selecting Subtitles

DVD-V

Some DVD-Video discs feature subtitles in several languages. See the disc's sleeve notes for details.

| Remote controller  SUBTITLE | **During playback, press the [SUB-TITLE] button repeatedly to cycle through the available subtitles.** The name of the selected subtitle appears onscreen for several seconds. To turn off subtitles, use the [SUBTI-TLE] button to select "Off." |
|---|---|

**Notes:**
• When you stop playback and cancel the Resume function (see page 31), the subtitle language will revert to your default subtile language (see page 54), or the disc's default subtitle language.
• With some DVDs you can select subtitles from a menu, and you may not be able to select subtitles during playback.

## Selecting Soundtracks

DVD-V     DVD-A     VCD     SACD

Some DVD-Video discs feature soundtracks in several languages or audio formats (e.g., Dolby Digital or DTS). Music DVD-Video discs and DVD-Audio discs sometimes feature audio in several formats, such as PCM, Dolby Digital, or DTS. See the disc's sleeve notes for details.

| Remote controller  AUDIO | **During playback, press the [AUDIO] button repeatedly to cycle through the available soundtracks.** The name of the selected soundtrack appears onscreen for several seconds. For VCDs, you can select Stereo, Mono L (left), Mono R (right), or Mix. For SACDs, you can select the multi-channel area, 2-channel area, or CD area. If you make a selection during playback, playback will stop. |
|---|---|

**Notes:**
• With DVD-Video discs, when you stop playback and cancel the Resume function (see page 31), the soundtrack language will revert to your default language (see page 54), or the disc's default language.
• With some discs, selecting another soundtrack may cause the picture to skip momentarily.
• With some DVDs you need to select soundtracks from a menu, and you may not be able to select other soundtracks during playback.

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## Displaying Information

You can display various information about the current disc, title, chapter, or track as follows.

*1*
DISPLAY

**Remote controller**

DISPLAY

**During playback, press the [DIS-PLAY] button repeatedly to cycle though the information.**
Various information appears onscreen. The operating status (e.g., Stop, Play, Resume) and disc type information is displayed along the top of the screen.

The information displayed depends on the type of disc, as follows:

### ■ DVD-Video

**Onscreen:**
• Current/total title number, elapsed title time, remaining title time, total title time, selected soundtrack, selected subtitle, and the number of available camera angles.
• Current/total chapter number, elapsed chapter time, remaining chapter time, and total chapter time.

**Display:**
• Elapsed chapter time
• Remaining title time

### ■ DVD-Audio

**Onscreen:**
• Current/total track number, elapsed track time, remaining track time, total track time, and selected soundtrack.
• Current/total group number, elapsed group time, remaining group time, and total group time.

**Display:**
• Elapsed track time
• Remaining track time

### ■ Video CD

**Onscreen:**
• Current/total track number, elapsed track time, remaining track time, and total track time.
• Current/total track number, elapsed disc time, remaining disc time, and total disc time.

**Display:**
• Elapsed track time
• Remaining track time
• Elapsed disc time
• Remaining disc time

**Note:**
• If PBC is on, no information is displayed when the [DISPLAY] button is pressed.

### ■ Audio CD, Super Audio CD

**Onscreen:**
• Current/total track number, elapsed track time, remaining track time, and total track time.
• Current/total track number, elapsed disc time, remaining disc time, and total disc time.

**Display:**
• Elapsed track time
• Remaining track time
• Elapsed disc time
• Remaining disc time

### ■ MP3, WMA

**Onscreen:**
• Current/total folder number, current/total track number in the folder, elapsed track time, remaining track time, and total track time.

**Display:**
• Elapsed track time
• File name
• Folder name
• Total number of folders

### ■ JEPG

**Display:**
• Folder number, track number
• File name
• Folder name
• Total number of folders

### ■ DivX

**Onscreen:**
• Current/total track number, elapsed track time, remaining track time, total track time, selected soundtrack, and selected subtitle.

**Display:**
• Elapsed track time
• File name
• Folder name
• Total number of folders

# HDMI and Progressive Settings



RESOLUTION
HDMI

RESOLUTION

## Setting the HDMI

This section explains how to turn on the HDMI OUT and change the video resolution when your TV or projector is connected to the HDMI OUT.

See pages 19–27 for HDMI connection information.

**1** HDMI **Press the DV-SP506's [HDMI] button to turn on HDMI.**

*HDMI ON*

**2** RESOLUTION **Press the [RESOLUTION] button repeatedly to change the HDMI resolution.**
The first button press displays the current resolution onscreen. Press the button again while the resolution is displayed to change the setting.

**Remote controller**
RESOLUTION

The DV-SP506 supports the following resolutions:

**Auto (default):**
The resolution is automatically scaled to the preferred resolution of the TV connected to the HDMI OUT.
If Auto is selected but the DV-SP506 doesn't support the resolution preferred by the TV, the resolution will be 480p/576p.

**480i (720 × 480i/576i)**
The setting displayed depends on the country in which you purchased the DV-SP506 (720 × 480i 60Hz or 720 × 576i 50Hz).

**480p (720 × 480p/576p)**
The setting displayed depends on the country in which you purchased the DV-SP506 (720 × 480p 60Hz or 720 × 576p 50Hz).

**720p 1280 × 720p 50/60Hz**
**1080i 1920 × 1080i 50/60Hz**
**1080p 1920 × 1080p 50/60Hz**

**Tip:**
• These settings can also be changed by using the HDMI Output and HD Resolution settings on the onscreen setup menus (see pages 49, 50).

**Notes:**
• Be sure to choose a resolution that's supported by your TV. If you select a resolution that your TV doesn't support, there will be no picture.
• While an SACD or DVD-Audio disc is loaded, the HDMI On/Off and resolution settings cannot be changed. Eject the disc first if you need to change one of these settings.
• When the HDMI OUT is on, interlaced video is output by the composite video, S-Video, and component video outputs.

## Selecting Progressive or Interlaced

If your TV's component video input supports progressive video, you can set the DV-SP506 to progressive and enjoy progressive video on your TV. If your TV's component video input doesn't support progressive video, set the DV-SP506 to Interlace.
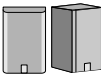
**1** HDMI **Press the DV-SP506's [HDMI] button to turn off HDMI.**

*HDMI OFF*

**2** RESOLUTION **Use the [RESOLUTION] button to select progressive or interlaced.**
The first button press displays the current setting onscreen. Press the button again while the setting is displayed to change the setting.

**Remote controller**
RESOLUTION

PROGRESSIVE *PRGSV SCAN*

↕

*INTERLACE*

The PROGRESSIVE indicator appears on the display when progressive is selected. (If the HDMI OUT is on, the indicator will not appear.)

# Configuring the DV-SP506

This chapter explains the various functions and settings of the onscreen setup menus.

Functions and settings are arranged into six menus: **Picture**, **Audio**, **Language**, **Display**, **Operation Setting**, and **Initial Setup**.

The following table lists all the functions and settings, with a brief description and page number where you can find full details.

| Menu | Setting | Description | Page # |
|---|---|---|---|
| **Picture** | TV Shape | Select the aspect ratio that matches your TV. | 49 |
| | View Mode | Stretch the picture to fit your TV screen. | 49 |
| | HDMI Output Setting | Turn HDMI video output on or off. | 49 |
| | Progressive Setting | Set the component video output to progressive or interlaced. | 49 |
| | HD Resolution | Select the video resolution for the HDMI OUT. | 50 |
| | HD JPEG Mode | For displaying JPEG images at a high resolution on a HDTV. | 50 |
| | Video Black Level | Choose a video black level. | 50 |
| | Brightness | Adjust the picture brightness. | 50 |
| | Sharpness | Adjust the picture sharpness. | 50 |
| | PAL Output Setting (not North American model) | Convert the disc's video format to NTSC or PAL. | 50 |
| | Scart Output Setting (European model only) | Selects the video format for the SCART output: RGB, S-Video, or composite. | 51 |
| **Audio** | HDMI Audio Out | Setting for the digital audio signal output by the HDMI output. | 51 |
| | Digital Audio Out | Settings for the digital signal output by the optical and coaxial digital audio outputs. | 51 |
| | Linear PCM Out | Select whether or not the DV-SP506 down samples digital audio. | 52 |
| | Subwoofer | Configure the speakers settings for the multichannel analog audio output. | 52 |
| | Front Speaker | | |
| | Center Speaker | | |
| | Surround Speaker | | |
| | Center Delay | Delay for the multichannel output's center and surround jacks. | 52 |
| | Surr. Delay | | |
| | Test Tone | Test tone for adjusting the level of each channel of your amp's multichannel input. | 53 |
| | Dynamic Range Control | Set the Dynamic Range function. | 53 |
| | Dolby Pro Logic Setting | Determines how the built-in Dolby Pro Logic decoder works. | 53 |
| | SACD Audio Setup | Determines whether DSD or PCM is output when playing SACDs. | 53 |
| | Downmix Setting | Dolby and DTS downmix settings. | 53 |
| **Language** | On-Screen Language | Select a language for the onscreen setup menus and messages. | 54 |
| | Disc Menu Language | Select your preferred language for disc menus. | 54 |
| | Audio Language | Select your preferred language for soundtracks. | 54 |
| | Subtitle Language | Select your preferred language for subtitles. | 54 |
| | DivX Subtitle (not North American model) | Select your preferred language for DivX subtitle. | 55 |
| **Display** | On-Screen Display | Turn on or off onscreen messages and indicators. | 56 |
| | On-Screen Display Color | Select a color for onscreen setup menus and messages. | 56 |
| | Background | Select a background color for when playback is stopped. | 56 |
| | Screen Saver | Set the Screen Saver function. | 56 |

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| Menu | Setting | Description | Page # |
|---|---|---|---|
| **Operation Setting** | Parental Lock | Set the Parental Lock function. | 56 |
| | Security Code | Change the security code for use with parental lock. | 57 |
| | DVD Priority Contents | Determines what's played on DVD-Audio discs with DVD-Video contents. | 57 |
| | SACD Priority Contents | Determines how the SACD multichannel and 2-channel area and the CD area are played. | 57 |
| | HDMI Control | Turn on or off RIHD control over HDMI. | 57 |
| | Power Control | Turn on or off RIHD power control over HDMI. | 58 |
| | Direct Change | Turn on or off RIHD direct change over HDMI. | 58 |
| | Auto Power Off | Sets the Auto power off function. | 58 |
| | DivX Registration (not North American model) | Displays your DivX VOD registration code | 58 |
| **Initial Setup** | TV Shape | This menu appears automatically the very first time you turn on your DV-SP506. (These settings are available in other menus.) | 30 |
| | HDMI Output Setting | | |
| | HDMI Audio Out | | |
| | On-Screen Language | | |
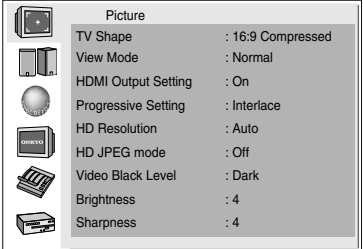
## Using the Onscreen Setup Menus

This section explains how to navigate the onscreen setup menus.



**ENTER**

**▲ / ▼/◄ / ►**
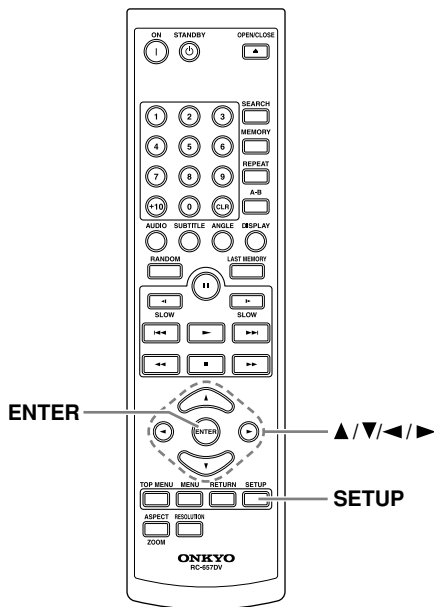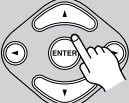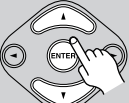
**SETUP**

*1* **Press the [SETUP] button.**
The onscreen setup menu appears, as shown.

| | Picture | |
|---|---|---|
| | TV Shape | : 16:9 Compressed |
| | View Mode | : Normal |
| | HDMI Output Setting | : On |
| | Progressive Setting | : Interlace |
| | HD Resolution | : Auto |
| | HD JPEG mode | : Off |
| | Video Black Level | : Dark |
| | Brightness | : 4 |
| | Sharpness | : 4 |

*2* **Use the cursor [▲]/[▼]/[◄]/[►] buttons to navigate the menus, and press the [ENTER] button to see the available options.**

*3* **Use the Up/Down [▲]/[▼] buttons to select the options, and press the [ENTER] button to confirm your selection.**

*4* **When you've finished, press the [SETUP] button again.**
The onscreen setup menu closes.

## Picture Menu

### *TV Shape*

With this setting you can select a picture format to match the aspect ratio of your TV.

**4:3 Letter box:** Choose this option if you have a standard TV (4:3 aspect ratio). When you watch widescreen DVD-Video movies, the entire picture will be visible and there will be black bars at the top and bottom of the screen, as shown.

**4:3 Pan & Scan:**Choose this option if you have a standard TV (4:3 aspect ratio) and want to use the full height of the screen when watching widescreen DVD-Video movies. In order to use the full height of the screen, the picture will be cropped on both sides, as shown. This option won't work with discs that don't support pan and scan.

**16:9 Widescreen:** Choose this option if you have a widescreen TV (16:9 aspect ratio). Depends on TV, the picture appears stretched when watching programs in 4:3 format.

**16:9 Compressed (default):**
Choose this option if you have a widescreen TV (16:9 aspect ratio) and the picture appears stretched when watching programs in 4:3 format. This option will correct the issue.

**Notes:**
• This setting does not apply to DVD menus.
• When the HDMI OUT signal is at a resolution of 720p, 1080i, or 1080p, programs in 4:3 format will appear stretched, so we recommend that you select the 16:9 Compressed option.
• With some DVD-Video discs this setting may have no effect. See the disc's sleeve notes to see which picture format is used.

### *View Mode*

With this setting you can adjust the aspect of the picture so that it fits your TV screen. Due to your TV's aspect ratio setting and the DVD's aspect ratio, black bars may appear above and below the picture or at the sides and the aspect of the picture may be unsuitable. In this case, use this setting to adjust the aspect of the picture as you like.

**Normal (default):** The picture is displayed in its original aspect ratio.

**View Mode1:** The picture is stretched horizontally to make it fit the height of the screen.

**View Mode2:** The picture is stretched vertically to make it fit the width of the screen.

**View Mode3:** The picture is stretched horizontally and vertically.

**Tip:**
• The view mode can also be changed by using the remote controller's [ASPECT] button.

**Note:**
• This setting does not apply to DVD menus.

### *HDMI Output Setting*

With this setting you can turn the HDMI video output on or off. See page 46 for more information.

**On (default):** Video is output by the HDMI OUT.

**Off:** Video is not output by the HDMI OUT.

**Tip:**
• This setting can also be changed by using the [HDMI] button on the front panel (see page 46).

**Note:**
• While an SACD or DVD-Audio disc is loaded, this setting cannot be changed. Eject the disc first if you need to change this setting.

### *Progressive Setting*

With this setting you can set the component video output to progressive or interlaced. While the HDMI Output Setting is set to On, this setting is fixed at Interlaced and cannot be changed.

**Interlace (default):** Select this setting when your TV or projector does not support progressive output.

**Progressive:** Select this setting when your TV or projector supports progressive output and is connected to the component jacks of the DV-SP506. This setting offers better picture quality.

**Note:**
• When the HDMI Output Setting is set to Off, and this setting is set to Progressive, nothing is output by the composite video and S-Video outputs.

**Tip:**
• If the HDMI Output Setting is set to Off, this setting can also be changed by pressing the [RESOLUTION] button.

### HD Resolution

With this setting you can set the video resolution for the HDMI OUT. See page 46 for more information.

**Auto (default):** The resolution is automatically scaled to the preferred resolution of the TV connected to the HDMI OUT.
If Auto is selected but the DV-SP506 doesn't support the resolution preferred by the TV, the resolution will be 480p/576p.

**480i (480i/576i):** The setting displayed depends on the country in which you purchased the DV-SP506.

**480p (480p/576p):** The setting displayed depends on the country in which you purchased the DV-SP506.

**720p:** $1280 \times 720p$ 50/60 Hz

**1080i:** $1920 \times 1080i$ 50/60 Hz

**1080p:** $1920 \times 1080p$ 50/60 Hz

**Tip:**
• When the HDMI Output Setting is set to On, you can also change this setting by using the [RESOLUTION] button (see page 46).

**Notes:**
• While an SACD or DVD-Audio disc is loaded, this setting cannot be changed. Eject the disc first if you need to change this setting.
• If there's no picture after changing this setting, press the [RESOLUTION] button repeatedly to restore the picture.

### HD JPEG Mode

If your TV is connected to the HDMI OUT and the HDMI resolution is set to 720p, 1080i, or 1080p, this setting allows you to display your JPEG pictures in high definition.

**On:** JPEG pictures displayed in high definition.

**Off (default):** JPEG pictures displayed as normal.

**Notes:**
• If your TV is connected to a video output other than the HDMI OUT, or the HDMI output resolution is set to something other than 720p, 1080i, or 1080p, even if this setting is set to On, your JPEG pictures will not be displayed in high definition.
• When using HD JPEG, it may take a while to display each picture. And the Zoom function cannot be used. Also, onscreen status messages such as "Play" and "Stop" are not displayed.
• When On is selected, and JPEG pictures are being displayed in high definition via the HDMI OUT, nothing is output by the other video outputs.

### Video Black Level

With this setting you can adjust the picture blackness for the analog video outputs. It does not affect the component video output when its set to progressive.

**Light:** Blacks are lighter, and the entire picture becomes lighter.

**Dark:** Blacks are darker, and the entire picture becomes darker.
On the North American model, Light is the default setting. On the other models, Dark is the default setting.

### Brightness

With this setting you can adjust the picture brightness.

**1-7:** 1 is the darkest. 7 is the brightest. The default brightness is 4 (default).

### Sharpness

With this setting you can adjust the picture sharpness.

**1-7:** 1 is the softest. 7 is the sharpest. The default sharpness is 4 (default).

### PAL Output Setting (Not North American model)

With this setting you can specify how the DV-SP506 outputs video signals.

**AUTO (default):** Use this option to watch PAL and NTSC format discs. The DV-SP506 does not convert the video format. When you play a PAL disc, the video output will be PAL format. And when you play an NTSC disc, it'll be NTSC format. Your TV must support NTSC playback in order to watch NTSC format discs.

**NTSC:** Use this option if you want to play only NTSC format discs. When you play a PAL disc, the DV-SP506 will convert PAL format video signals to NTSC-compatible format.

**PAL:** Use this option if your TV doesn't support NTSC playback, or the picture is distorted when watching NTSC discs. The DV-SP506 will convert NTSC format video signals to PAL-compatible format.

**Note:**
• This setting can also be changed by pressing and holding the Next ▶▶| button, and then pressing [ON/STANDBY] button.

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### SCART Output Setting
### (European model only)

With this setting you can select the video format to be used for the SCART AV CONNECTOR: RGB, S-Video, or composite video. Before changing this setting, refer to your TV's manual to see if its SCART input can accept video signals in these formats.

**Composite (default):** Composite video offers standard quality.

**S-Video:** S-Video offers the next best picture quality.

**RGB:** This format offers the best picture quality.

**Notes:**
- If you select a format that is not supported by your TV, the setup menu may disappear from the screen. If this happens, switch off your equipment, connect the DV-SP506 to your TV with a composite video or S-Video cable, and then change this setting.
- When RGB is selected, nothing is output by the component video output.

## Audio Menu

Depending on the HDMI Audio Out setting (see below), Audio menu settings may be fixed at a particular value, available for changing, or unavailable, as shown in the following table.

| Setting | HDMI Audio Out setting | | | | |
|---|---|---|---|---|---|
| | Auto | 6ch DSD | 6ch PCM | 2ch PCM | Off |
| **Digital Audio Out** | *1 | *1 | *1 | PCM | ✓ |
| **Linear PCM Out** | *1 | *1 | *1 | On | ✓ |
| **Subwoofer** | On | On | On | ✓ | ✓ |
| **Front Speaker** | Large | Large | Large | ✓ | ✓*2 |
| **Center Speaker** | Large | Large | Large | ✓ | ✓*3 |
| **Surround Speaker** | Large | Large | Large | ✓ | ✓*3 |
| **Center Delay** | Off | Off | Off | ✓ | ✓ |
| **Surr. Delay** | Off | Off | Off | ✓ | ✓ |
| **Test Tone** | Off | Off | Off | ✓ | ✓ |
| **Dynamic Range Control** | Off | Off | Off | ✓*4 | ✓*4 |
| **Dolby Pro Logic** | Off | Off | Off | ✓ | ✓ |
| **SACD Audio Setup** | *1 | DSD | PCM | PCM | ✓ |
| **Downmix Setting** | ✗ | ✗ | ✗ | ✓ | ✓ |

✓: Available      ✗: Unavailable

*1: Set automatically depending on the connected HDMI component.

*2: When the Subwoofer setting is set to Off, this setting is fixed at Large.

*3: If the Front Speaker, Surround Speaker, or Center Speaker setting is set to Small, this setting can only be set to Small or Off.

*4: When the DV-SP506 is set to Standby, this setting is automatically set to Off.

### HDMI Audio Out

With this setting you can specify how the HDMI OUT outputs audio.

**Auto (default):** Audio is output at optimum quality.

**6ch DSD:** SACD audio is output in DSD (Direct Stream Digital) format. If the HDMI input on your AV receiver or TV does not support DSD, there will be no sound. This option is also suitable for SACD playback via the multichannel analog audio output.

**6ch PCM:** SACD audio is converted to 6-channel PCM with a sampling rate of 176.4 kHz. If the HDMI input on your AV receiver or TV does not support 6-channel PCM, there will be no sound. This option is also suitable for playback of 6-channel PCM on a DVD-Audio disc.

**2ch PCM:** Multichannel audio is converted to 2-channel PCM. Select this option to output the sound through your TV's speakers without using an AV receiver. Dolby Digital and DTS will be converted to PCM.

**Off:** Audio is not output by the HDMI OUT. Audio is output by the OPTICAL and COAXIAL digital outputs. Select this option if you're using the analog or digital audio outputs to output audio instead of the HDMI OUT.

**Note:**
- While an SACD or DVD-Audio disc is loaded, this setting cannot be changed. Eject the disc first if you need to change this setting.

### Digital Audio Out

With this setting you can configure the type of audio signals output from the digital audio outputs. If your TV or AV receiver does not support Dolby Digital or DTS, select the PCM option.

**All (default):** Dolby Digital and DTS signals are output as they are.

**PCM:** Dolby Digital and DTS signals are converted to Linear PCM. If your TV or AV receiver does not support Dolby Digital or DTS, select the PCM option.

**Off:** No digital signals are output by the digital outputs.

**Note:**
- MPEG is output as PCM regardless of this setting.

### *Linear PCM Out*

With this setting you can configure the DV-SP506 to output digital audio with higher sampling rates (e.g., 88.2 kHz, 96 kHz) as it is or to down sample it to 48 kHz or below.

If the AV component you connect to the DV-SP506's digital audio outputs supports 96 kHz digital audio, select Down Sample Off. Otherwise, select Down Sample On.

> **Down Sample Off (default):** Sources are output as they are.
>
> **Down Sample On:** 192 kHz and 96 kHz sources are down sampled to 48 kHz, and 176.4 kHz and 88.2 kHz sources are down sampled to 44.1 kHz.

**Notes:**
- With some discs, even if you select Down Sample Off, the digital audio will be down sampled, and in some cases may not be output by the DV-SP506's digital audio outputs.
- Even if Down Sample Off is selected, sources at 176.4 kHz and 192 kHz are not output by the OPTICAL and COAXIAL outputs. In addition, sources at lower sampling rates that use copy protection may not be output.
- When the SACD Audio Setup setting is set to DSD, nothing is output by the OPTICAL and COAXIAL outputs during SACD disc playback.

### *Speaker Configuration*

With these settings, you can specify which speakers are connected and their sizes. These settings only apply to the DV-SP506's analog multichannel output. If you connect to only the D.MIX/FRONT L/R jacks, set the Subwoofer, Center Speaker, and Surround Speaker settings to Off.

**Notes:**
- The Speaker Configuration settings have no effect on 192 kHz and 176.4 kHz DVD-Audio.
- To use the Speaker Configuration settings for SACD playback, in the SACD Audio Setup, select PCM (page 53).

#### ■ Subwoofer

> **On (default):** Select if a subwoofer is connected.
>
> **Off:** Select if no subwoofer is connected.

#### ■ Front Speaker

> **Large (default):** Select if the front speakers are large.
>
> **Small:** Select if the front speakers are small.

**Note:**
- If the Subwoofer setting is set to Off, this setting is fixed at Large and cannot be changed.

#### ■ Center Speaker

> **Large (default):** Select if the center speaker is large.

> **Small:** Select if the center speaker is small.

> **Off:** Select if no center speaker is connected.

**Notes:**
- If the Front Speaker setting is set to Small, the Large option cannot be selected.
- The Center Speaker and Surround Speaker settings can only be set to the same size.

#### ■ Surround Speaker

> **Large (default):** Select if the surround speakers are large.

> **Small:** Select if the surround speakers are small.

> **Off:** Select if no surround speakers are connected.

**Notes:**
- If the Front Speaker setting is set to Small, the Large option cannot be selected.
- The Center Speaker and Surround Speaker settings can only be set to the same size.

### *Center Delay and Surr. Delay*

With these settings, you can adjust the multichannel output signals relative to the listening position.

For 5.1-channel surround playback, ideally your speakers should all be the same distance away from the listening position, but this isn't always practical. By setting a delay time for the center and surround speakers, you can adjust their virtual positions without having to physically move them, creating the ideal listening environment. The diagram below shows the ideal locations for the center and surround speakers.
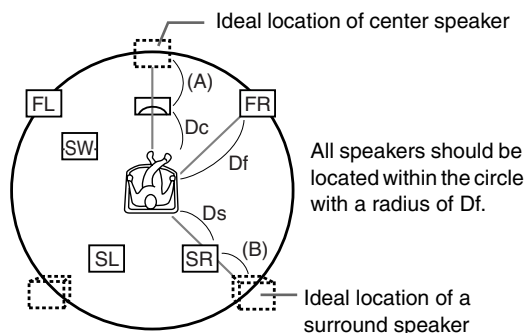


#### ■ Center Delay
Center Delay $(A) = Df - Dc$

**No Delay (default):** When Df equals Dc.

**1msec:** When (A) is approx. 1 ft. (0.3 m)

**2msec:** When (A) is approx. 2 ft. (0.6 m)

**3msec:** When (A) is approx. 3 ft. (0.9 m)

**4msec:** When (A) is approx. 4 ft. (1.2 m)

**5msec:** When (A) is approx. 5 ft. (1.5 m)

■ **Surr. Delay**

Surr. Delay (B) = Df – Ds

**No Delay (default):** When Df equals Ds.

**5msec:** When (B) is approx. 5 ft. (1.5 m)

**10msec:** When (B) is approx. 10 ft. (3 m)

**15msec:** When (B) is approx. 15 ft. (4.5 m)

**Notes:**
• The delay settings have no effect on 192 kHz/ 176.4 kHz DVD-Audio.
• To use the delay settings with SACD playback, set the SACD Audio Setup setting to PCM, and set the Linear PCM Out setting to Down Sample On.

## Test Tone

If you can adjust the volume level of each channel of your amp's multichannel input, with this function, you can output a test tone from each multichannel output jack in turn and adjust each level as necessary.

1. **Use the Up/Down [▲]/[▼] buttons to select a speaker, and then press the [ENTER] button.**
   A test tone is output by each speaker as it's selected.

2. **Refer to your AV receiver's instruction manual for details on adjusting the volume level of each channel.**

**Note:**
• The test tone is not output by the digital audio outputs.

## Dynamic Range Control (Dolby Digital only)

With the Dynamic Range Control function you can reduce the dynamic range of Dolby Digital material so that you can still hear quiet parts even when listening at low volume levels—ideal for watching movies late at night when you don't want to disturb anyone.

**Off (default):** The full dynamic range is preserved.

**On:** The dynamic range of Dolby Digital material is compressed.

**Notes:**
• The impact of the Dynamic Range Control function depends on the Dolby Digital material that you are playing and with some material there will be little or no effect.
• When the DV-SP506 is set to Standby, this function is automatically set to Off.
• Depending on the Speaker Configuration settings, this setting may be fixed.

## Dolby Pro Logic Setting

This setting determines how the DV-SP506's built-in Dolby Pro Logic decoder works with 2-channel material.

**Off (default):** The Dolby Pro Logic decoder is off.

**On:** The Dolby Pro Logic decoder decodes Dolby Surround material and processes the following audio formats: 2-channel Dolby Digital on DVD-Video discs, 48 kHz (16-, 20-, and 24-bit) PCM audio on DVD-Video discs, and 2-channel audio on CDs.

**Note:**
• If the Center Speaker or Surround Speaker is set to Off in the Speaker Configuration settings (page 52), the Dolby Pro Logic decoder will not work even if you select On.

## SACD Audio Setup

With this setting you can choose whether DSD (Direct Stream Digital) or PCM is output when playing Super Audio CDs.

When DSD is selected, the Speaker Configuration settings have no effect and the source is output as it is: 2-channel material is output as 2-channels, and multichannel material is output as multichannel.

When PCM is selected, the source is output is in accordance with the Speaker Configuration settings and the output is down mixed.

**DSD (default):** The source signal is output as it is.

**PCM:** The source signal is output in accordance with the Speaker Configuration settings.

## Downmix Setting

With this setting you can configure the D.MIX/FRONT AUDIO OUT jacks and SCART AV CONNECTOR for use with a 2-channel stereo amp or an amp with a built-in Dolby Pro Logic decoder. It determines how multi-channel audio sources are down mixed.

In the Speaker Configuration, set the Subwoofer, Center Speaker, and Surround Speaker settings to Off.

**Stereo (default):** Choose this option if you're connecting the D.MIX/FRONT AUDIO OUT jacks or SCART AV CONNECTOR to a stereo amp or TV. Multichannel audio is down mixed into stereo.

**Lt/Rt:** Choose this option if you're connecting the D.MIX/FRONT AUDIO OUT jacks or AV CONNECTOR to an AV receiver, TV, or other component with a built-in Dolby Pro Logic decoder. Multichannel audio is down mixed into an Lt/Rt mix, which is a 2-channel mix containing front left, front right, center, and surround channel information.

### Language Menu

#### *On-Screen Language*

With this setting you can select a language for the onscreen setup menus and messages.

Select one of the displayed languages.

**Note:**

• When the DV-SP506 is connected via HDMI, and the HDMI Control setting is set to On (default), the language settings on a CEC-compatible TV may affect the onscreen displays.

#### *Disc Menu Language*

With this setting you can select your preferred language for disc menus. When you play a DVD-Video disc with multiple language disc menus, your preferred language will be selected automatically.

Select "Others" if the language you want is not displayed. See "Selecting Other Languages" on the right column.

**Notes:**

• Not all DVD-Video discs have menus in multiple languages.

• Even if a DVD-Video disc has menus in multiple languages, this setting may not always work.

• If a DVD has only one menu language, that will be used.

• With some DVD-Video discs you can select languages from a menu.

#### *Audio Language*

With this setting you can select your preferred language for soundtracks. When you play a DVD-Video disc with multiple language soundtracks, your preferred language will be selected automatically.

Select "Others" if the language you want is not displayed. See "Selecting Other Languages" on the right column.

**Notes:**

• Not all DVD-Video discs have soundtracks in multiple languages.

• Even if a DVD-Video disc has soundtracks in multiple languages, this setting may not always work.

• If a DVD has only one soundtrack, that will be used.

• With some DVD-Video discs you can select languages from a menu.

#### *Subtitle Language*

With this setting you can select your preferred language for subtitles. When you play a DVD-Video disc with multiple language subtitles, your preferred language will be selected automatically.

Select "No Subtitle" if you don't want subtitles displayed. Select "Others" if the language you want is not displayed. See "Selecting Other Languages" below.

**Notes:**

• Not all DVD-Video discs have subtitles.

• Even if a DVD-Video disc has subtitles in multiple languages, this setting may not always work.

• If a DVD has only one subtitle language, that will be used.

• With some DVD-Video discs you can select subtitles from a menu.

■ **Selecting Other Languages**

This section explains how to select other languages for disc menus, audio, and subtitles.

| | | |
|---|---|---|
| **1** Remote controller | | **Select "Others" from the Disc Menu Language, Audio Language, or Subtitle menu, and then press [ENTER].** |
| **2** Remote controller | | **Use the Left/Right [◄]/[►] buttons to select the code.** **Use the Up/Down [▲]/[▼] buttons to enter a language code.** See adjacent table for language codes. |
| **3** Remote controller | | **When you've finished, press the [ENTER] button.** |

Use this list when specifying other languages.

| Language | Code |
|---|---|
| Japanese | JA |
| English | EN |
| French | FR |
| German | DE |
| Italian | IT |
| Spanish | ES |
| Chinese | ZH |
| Dutch | NL |
| Portuguese | PT |
| Swedish | SV |
| Russian | RU |
| Korean | KO |
| Greek | EL |
| Afar | AA |
| Abkhazian | AB |
| Afrikaans | AF |
| Amharic | AM |
| Arabic | AR |
| Assamese | AS |
| Aymara | AY |
| Azerbaijani | AZ |
| Bashkir | BA |
| Byelorussian | BE |
| Bulgarian | BG |
| Bihari | BH |
| Bislama | BI |
| Bengali | BN |
| Tibetan | BO |
| Breton | BR |
| Catalan | CA |
| Corsican | CO |
| Czech | CS |
| Welsh | CY |
| Danish | DA |
| Bhutani | DZ |
| Esperanto | EO |
| Estonian | ET |
| Basque | EU |
| Persian | FA |
| Finnish | FI |
| Fiji | FJ |
| Faroese | FO |
| Frisian | FY |
| Irish | GA |
| Scots-Gaelic | GD |
| Galician | GL |
| Guarani | GN |
| Gujarati | GU |
| Hausa | HA |
| Hindi | HI |
| Croatian | HR |
| Hungarian | HU |

| Language | Code |
|---|---|
| Kirghiz | KY |
| Latin | LA |
| Lingala | LN |
| Laothian | LO |
| Lithuanian | LT |
| Latvian | LV |
| Malagasy | MG |
| Maori | MI |
| Macedonian | MK |
| Malayalam | ML |
| Mongolian | MN |
| Moldavian | MO |
| Marathi | MR |
| Malay | MS |
| Maltese | MT |
| Burmese | MY |
| Nauru | NA |
| Nepali | NE |
| Norwegian | NO |
| Occitan | OC |
| Oromo | OM |
| Oriya | OR |
| Panjabi | PA |
| Polish | PL |
| Pashto, Pushto | PS |
| Quechua | QU |
| Rhaeto-Romance | RM |
| Kirundi | RN |
| Romanian | RO |
| Kinyarwanda | RW |
| Sanskrit | SA |
| Sindhi | SD |
| Sangho | SG |
| Serbo-Croatian | SH |
| Sinhalese | SI |
| Slovak | SK |
| Slovenian | SL |
| Samoan | SM |
| Shona | SN |
| Somali | SO |
| Albanian | SQ |
| Serbian | SR |
| Siswati | SS |
| Sesotho | ST |
| Sundanese | SU |
| Swahili | SW |
| Tamil | TA |
| Telugu | TE |
| Tajik | TG |
| Thai | TH |
| Tigrinya | TI |
| Turkmen | TK |

| Language | Code |
|---|---|
| Armenian | HY |
| Interlingua | IA |
| Interlingue | IE |
| Inupiak | IK |
| Indonesian | IN |
| Icelandic | IS |
| Hebrew | IW |
| Yiddish | JI |
| Javanese | JW |
| Georgian | KA |
| Kazakh | KK |
| Greenlandic | KL |
| Cambodian | KM |
| Kannada | KN |
| Kashmiri | KS |
| Kurdish | KU |

| Language | Code |
|---|---|
| Tagalog | TL |
| Setswana | TN |
| Tonga | TO |
| Turkish | TR |
| Tsonga | TS |
| Tatar | TT |
| Twi | TW |
| Ukrainian | UK |
| Urdu | UR |
| Uzbek | UZ |
| Vietnamese | VI |
| Volapük | VO |
| Wolof | WO |
| Xhosa | XH |
| Yoruba | YO |
| Zulu | ZU |

### DivX Subtitle (Not North American model)

Some DivX video discs include subtitles in one or more languages. The disc packaging will usually inform you about which subtitle languages are available.

With this setting you can select your preferred language for DivX subtitles. When you play a DivX disc with multiple language subtitles, your preferred language will be selected automatically.

You can select DivX subtitle languages by region:

**Unicode (UTF-8):** Unicode encoding scheme. Two bytes are used to encode each character.

**Western European**

**Turkish**

**Central European**

**Cyrillic**

**Greek**

**Hebrew**

**Arabic**

**Baltic**

**Vietnam**

**Note:**
• Some external subtitle files may display incorrectly or not at all.

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## Display Menu

### *On-Screen Display*

With this setting you can turn on or off onscreen messages, such as "Play," "Stop," and "Resume."

**On (default):** Onscreen messages are displayed.

**Off:** Onscreen messages are not displayed.

### *On-Screen Display Color*

With this setting you can set the color and theme of the Disc navigation window.

**Sapphire (default)**

**Pearl**

**Amethyst**

**Garnet**

### *Background*

With this setting you can select the color of the background that's displayed when the DV-SP506 is stopped.

**Blue**

**Gray**

**Graphic (default):** The theme picture specified for the On-Screen Display Color setting is used.

### *Screen Saver*

With the Screen Saver function you can protect your TV against screen burn-in, which can occur when the same image or menu is displayed for a long time.

**On (default):** Screen saver on.

**Off:** Screen saver off.

When the Screen Saver function is set to On, and playback is stopped for 15 minutes, the Screen Saver function automatically displays a moving image.

Once the screen saver has been activated, you can cancel it by pressing either the Play [▶] button.
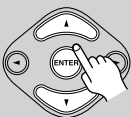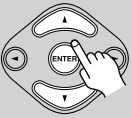
**Note:**
• The Screen Saver function also works with audio CDs, MP3/WMA, DVD-Audio, SACD discs.

## Operation Setting Menu

### *Setting the Parental Lock*

With the Parental Lock function you can block access to certain scenes that the authors have flagged as being unsuitable for children.
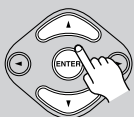
| *1* | Select "Operation Setting" menu in the setup. |
|---|---|
| *2* <br> **Remote controller** | Use the Up/Down [▲]/[▼] buttons to select "Parental Lock," and then press the [ENTER] button. <br> The security code input screen appears. |
| *3* <br> **Remote controller** | Enter the security code using the remote controller's number buttons, and then press the [ENTER] button. <br> The default security code is "8888." You can change the security code in the next section. <br><br> **Note:** <br> • When entering a security code, you can use the [CLR] button to delete the numbers entered so far, if necessary. |
| *4* <br> **Remote controller** | Use the Up/Down [▲]/[▼] buttons to change the level of parental lock, and then press the [ENTER] button. <br> At level 8 parental lock is off, with level 1 being the strictest level. |

**Notes:**
• Not all discs use parental lock. See the disc's sleeve notes for details.
• Discs with parental lock may cut certain scenes, replace certain scenes with children-friendly scenes, or prevent playback of the entire disc.

## Change the Security Code

To change the Security Code, confirm your existing code then enter a new one.

| | |
|---|---|
| *1* | **Select "Operation Setting" menu in the setup.** |
| *2* Remote controller | **Use the Up/Down [▲]/[▼] buttons to select "Security Code," and then press the [ENTER] button.** The security code input screen appears. |
| *3* Remote controller | **Enter the existing security code using the remote controller's number buttons, and then press the [ENTER] button.** The default security code is "8888." Even if a new security code has been entered, the code "8888" can still be used. Once the security code has been entered, the new security code input screen appears. |
| *4* Remote controller | **Enter the new security code using the remote controller's number buttons, and then press the [ENTER] button.** The new security code has been set. |

**Note:**
• If you forget your security code, enter "8888" instead. "8888" is a security code that can always be used.

## DVD Priority Contents

This setting determines what is played when a DVD-Audio disc also contains DVD-Video material.

> **DVD-AUDIO (default):** The DVD-Audio material is played.

> **DVD-VIDEO:** The DVD-Video material is played.

## SACD Priority Contents

SACDs have two separate areas for storing audio tracks—one for multichannel audio, the other for 2-channel stereo audio. In addition, hybrid SACDs have an extra layer for playback in standard CD players. With this setting you can determine how SACDs are played by the DV-SP506.

> **Multi ch Area (default):** The multichannel audio tracks are played.

> **2 ch Area:** The 2-channel stereo audio tracks are played.

> **CD Area:** The CD layer of hybrid SACDs is played.

**Note:**
• This setting determines which area of the disc is played initially. If Multi ch Area is selected, and an SACD that contains no multichannel area is loaded, the 2-channel area will be played.

## HDMI Control

With this setting, you can turn RIHD control over HDMI on or off.

> **On (default):** RIHD control on.

> **Off:** RIHD control off.

**Notes:**
• RIHD (Remote Interactive over HDMI) is Onkyo's implementation of CEC (Consumer Electronics Control), which allows integrated system control over HDMI and is part of the HDMI standard. In addition to Onkyo AV components, it allows interoperability with CEC-compatible AV components and TVs made by other manufacturers. However, operation with components other than RIHD-compatible components or recommended components cannot be guaranteed.
• Select Off if a connected component is incompatible or you're not sure about its compatibility.
• If operation is unreliable when set to On, select Off instead.
• When you set the RIHD function, set the HDMI Output setting (see page 49) to "On."

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### *Power Control*

With this setting, you can turn RIHD power control over HDMI on or off.

**On (default):** RIHD power control on.

**Off:** RIHD power control off.

**Notes:**
- The Power Control setting can be set only when the HDMI Control setting is set to On.
- When set to On, the DV-SP506 can be turned on or off automatically along with the other RIHD-compatible components in the system.
- HDMI power control only works with RIHD-compatible components that support it and may not work properly with some components due to their settings or compatibility.
- When set to On, the DV-SP506 consumes more power.

### *Direct Change*

With this setting, you can turn RIHD direct change over HDMI on or off.

**On (default):** RIHD direct change on.

**Off:** RIHD direct change off.

**Notes:**
- The Direct Change setting can be set only when the HDMI Control setting is set to On.
- When set to On, when playback is started on the DV-SP506, it will automatically be selected as the input source on an RIHD-compatible TV or AV receiver.
- HDMI direct change only works with RIHD-compatible components that support it and may not work properly with some components due to their settings or compatibility.

### *Auto power off*

The Auto power off function automatically turns off the DV-SP506 after 20 minutes of inactivity.

**Off (default):** Auto power off function off.

**On:** Auto power off function on.

### *DivX Registration*

To play DivX VOD (video on demand) content on this DV-SP506, you first need to register it with your DivX VOD content provider. You do this by generating a DivX VOD registration code, which you then submit to your provider.

Your 8-digit registration code is displayed.

Burn DivX VOD content that you download to a blank disc.

```
DivX® Video On Demand
Your registration code is:
01234567
(http://www.divx.com/vod)

        OK
```
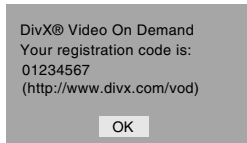
Make a note of the code as you will need it when you register with a DivX VOD provider.

**Important:**
- DivX VOD content is protected by DRM (digital rights management). This restricts playback of content to specific, registered devices.

## Initial Setup Menu

This menu appears automatically the very first time you turn on the DV-SP506. See "First Time Setup" on page 30 for more information.

### *TV Shape—see page 49*

### *HDMI Output Setting—see page 49*

### *HDMI Audio Out—see page 51*

### *On-Screen Language—see page 54*

# Additional information

## Initializing the DV-SP506

Use this procedure to reset all of the DV-SP506's settings to their factory defaults.

| | |
|---|---|
| **1** | **Turn on the DV-SP506.**<br>Wait until "NO DISC" has disappeared from the display. |
| **2** | **Using the front panel buttons, hold down the Stop [■] button and press [ON/STANDBY] button.**<br>"INITIALIZE" appears on the display. When the reset is complete, "COMPLETE" is displayed, and the DV-SP506 enters Standby mode. |

## DVD-Video regions

All DVD-Video discs carry a region mark on the case somewhere that indicates which region(s) of the world the disc is compatible with. Your DV-SP506 also has a region mark, which you can find on its rear panel. Discs from incompatible regions will not play in the DV-SP506. Discs marked "ALL" will play in any player. The diagram below shows the various DVD regions of the world.
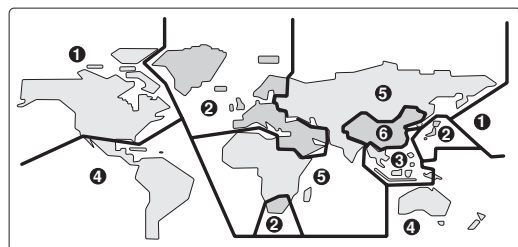
## Disc Content Organization

### ■ DVD-Video Format
DVD-Video discs contain titles, which are usually subdivided into chapters.
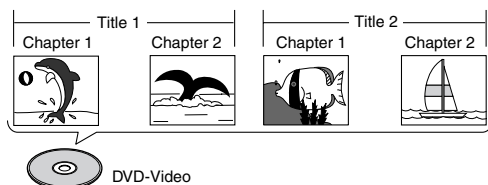
### ■ DVD-Audio
DVD-Audio discs contain groups and tracks.
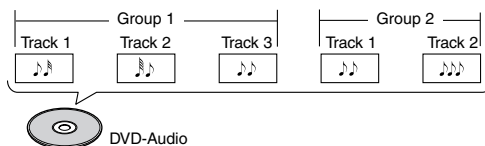
**Note:**
• Some DVD-Audio discs may ask you to enter a password. Consult the disc's producer for details.

### ■ SACD
SACDs have two separate areas for storing audio tracks—one for multichannel audio, the other for 2-channel stereo audio. In addition, hybrid SACDs have an extra layer for playback in standard CD players. You can specify how the DV-SP506 handles SACDs on page 53.
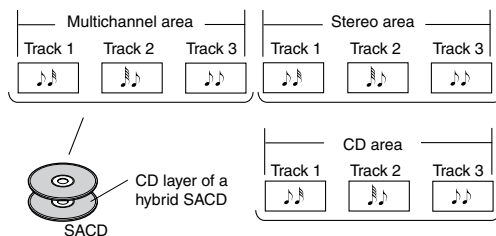
### ■ VCD
VCDs contain video tracks.
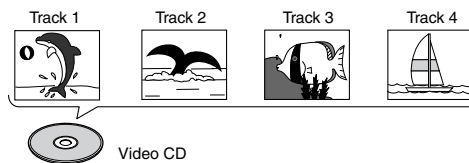
### ■ Audio CD Format
Audio CDs contain tracks.
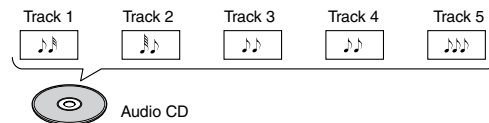
### ■ MP3, WMA, JPEG & DivX Files
MP3, WMA, JPEG, and DivX files are typically organized into folders. The DV-SP506 handles MP3, WMA, JPEG, and DivX files as tracks.

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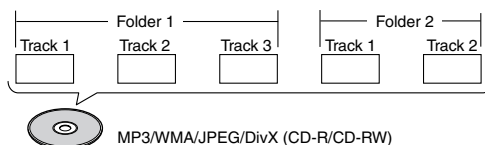
# Glossary

**Analog audio**

An electrical signal that directly represents sound. Compare this to digital audio which can be an electrical signal, but is an indirect representation of sound. See also "Digital audio."

**Aspect ratio**

The width of a TV screen relative to its height. Conventional TVs are 4:3 (in other words, the screen is almost square); widescreen models are 16:9 (the screen is almost twice as wide as it is high).

**Digital audio**

An indirect representation of sound by numbers. During recording, the sound is measured at discrete intervals (44,100 times a second for CD audio) by an analog-to-digital converter, generating a stream of numbers.

On playback, a digital-to-analog converter generates an analog signal based on these numbers. See also "Sampling frequency" and "Analog audio."

**DivX[*1]**

DivX is a media technology created by DivX, Inc. DivX media files contain compressed video. DivX files can also include advanced media features like menus, subtitles, and alternate audio tracks.

**Dolby Digital[*2]**

Using a maximum of 5.1 channels of audio, this high quality surround system is used in many of the finer movie theaters around the world.

The onscreen display shows which channels are active, for example showing 3/2.1. The 3 being the two front channels and the center channel; the 2 being the surround channels, and the .1 being the LFE channel.

**DRM**

DRM (digital rights management) technology is used to manage the use of copyright material and protect the rights of copyright holders and content producers.

**DTS[*3]**

DTS stands for Digital Theater Systems. DTS is a surround system different from Dolby Digital that has become a popular surround sound format for movies.

**Dynamic range**

The difference between the quietest and loudest sounds possible in an audio signal (without distorting or getting lost in noise).

Dolby Digital and DTS soundtracks are capable of a very wide dynamic range, delivering dramatic cinema-like effects.

**File extension**

A tag added to the end of a filename to indicate the type of file. For example, ".mp3" indicates an MP3 file.

**HD**

Abbreviation for high definition, as in HDTV (high-definition TV).

**HDCP (High-bandwidth Digital Content Protection)**

The video encryption technology developed by Intel for HDMI/DVI. It's designed to protect video content and requires a HDCP-compatible device to display the encrypted video.

**HDMI[*4]**

HDMI (High-Definition Multimedia Interface) is a high-speed digital interface which has the capability to support standard, enhanced, or high-definition video plus standard to multichannel surround-sound audio on a single digital connection. HDMI features include uncompressed digital video, a bandwidth of up to 5 gigabytes per second and communication between the AV source and AV devices such as DTVs.

**ISO 9660 format**

International standard for the volume and file structure of CD-ROM discs.

**JPEG**

A file format used for still images, such as photographs and illustrations. JPEG files are identified by the file extension ".jpg" or ".JPG". Most digital cameras use this format.

**MP3**

MP3 (MPEG1 audio layer 3) is a compressed audio file format. Files are recognized by their file extension ".mp3" or ".MP3".

*1. DivX is a compressed digital video format created by the DivX video codec from DivXNetworks, Inc. This player can play DivX video files burned on discs. When naming files on a disc prior to burning, keep in mind that by default hey will be played in alphabetical order.

*2. Manufactured under license from Dolby Laboratories. Dolby, Pro Logic and the double-D symbol are trademarks of Dolby Laboratories.

*3. Manufactured under license under U.S. Patent #'s: 5,451,942; 5,956,674; 5,974,380; 5,978,762; 6,487,535 & other U.S. and worldwide patents issued & pending. DTS and DTS Digital Surround are registered trademarks and the DTS logos and Symbol are trademarks of DTS, Inc. © 1996-2007 DTS, Inc. All Rights Reserved.

*4. HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC.

**MPEG video**

The video format used for Video CDs and DVDs. Video CD uses the older MPEG-1 standard, while DVD uses the newer and much better quality MPEG-2 standard.

**PBC (PlayBack Control) (Video CD only)**

A system of navigating a Video CD through onscreen menus recorded onto the disc. Especially good for discs that you would normally not watch from beginning to end all at once—karaoke discs, for example.

**PCM (Pulse Code Modulation)**

The most common system of encoding digital audio, found on CDs and DAT. Excellent quality, but requires a lot of data compared to formats such as Dolby Digital. For compatibility with digital audio recorders (CD, MD, and DAT) and AV amplifiers with digital inputs, this unit can convert Dolby Digital, and DTS to PCM. See also "Digital audio."

**Progressive scan video**

All the lines that make up a video picture are updated in one pass (compared to interlace which takes two passes to update the whole picture).

**RIHD[1] (Remote Interactive over HDMI)**      **RIHD**

Onkyo's implementation of CEC (Consumer Electronics Control), which allows integrated system control over HDMI and is part of the HDMI standard.

**Regions (DVD-Video only)**

These associate discs and players with particular areas of the world. This unit will only play discs that have compatible region codes. You can find the region code of your unit by looking on the rear panel. Some discs are compatible with more than one region (or all regions).

**Sampling frequency**

The rate at which sound is measured to be turned into digital audio data. The higher the rate, the better the sound quality, but the more digital information is generated. Standard CD audio has a sampling frequency of 44.1kHz, which means 44,100 samples (measurements) per second. See also "Digital audio."

**WMA**

WMA is short for Windows Media Audio and refers to an audio compression technology developed by Microsoft Corporation. WMA data can be encoded by using Windows Media Player version 8.

*1. RIHD is a trademark of Onkyo Corporation.

# Troubleshooting

| Symptom | Possible cause | Remedy |
|---|---|---|
| **Can't turn on the DV-SP506?** | The power cord is not connected. | Connect the power cord to a suitable wall outlet (page 29). |
| | External interference is affecting the DV-SP506's digital circuitry. | Turn off the DV-SP506, wait five seconds, then try turning it on again. If that fails, disconnect the power cord from the wall outlet, wait ten seconds, reconnect it, then try turning it on again. |
| **The DV-SP506 turns itself off when it's not being used?** | The Auto power off function will turn the DV-SP506 off automatically after 20 minutes of inactivity. | The Auto power off function can be turned on or off as required (page 58). |
| **No picture?** | The wrong input source is selected on your TV. | On your TV, select the input to which the DV-SP506 is connected. |
| | The video cable is not connected properly. | Check the video cable and correct as necessary. |
| | The PAL Output Setting is set wrong for your TV. | Change the PAL Output Setting to suit your TV (page 50). |
| | The SCART Output Setting is set wrong for your TV. | Make sure your TV supports the selected video output format (page 51). |
| | **No HDMI Video Output?** | |
| | The HDMI Output Setting is set to Off. | Try pressing the [HDMI] button on the front panel repeatedly to switch the HDMI OUT on, and then pressing the [RESOLUTION] button repeatedly to get picture (page 46). |
| | Your TV doesn't support HDMI Resolution settings of 480i (480i/576i), 720p, 1080i, and 1080p. | |
| | The connected component doesn't support HDCP. | If the DV-SP506 is connected to your AV receiver, try connecting it directly to your TV. It will not work if you connect to a component that doesn't support HDCP (page 19). |
| | **No Component Video Output?** | |
| | Your TV does not support progressive scanning. While the HDMI OUT is on, the component video output outputs progressive video. | Try pressing the [RESOLUTION] button repeatedly to switch to Interlaced (page 46). |
| | HD JPEG mode is on. | HD JPEG mode can only be used with the HDMI OUT. |
| | **No S-Video or Composite Video Output?** | |
| | The Progressive setting is set to Progressive. | When set to Progressive, only the component video output outputs video. |
| | The Progressive setting is not set to interlaced. | Press and hold down the Previous [◄◄] button, and then press the [ON/STANDBY] button to change the component video output to interlaced (page 49). Make sure the PROGRESSIVE indicator is not on. |
| | HD JPEG mode is on. | HD JPEG mode can only be used with the HDMI OUT. |
| **No sound?** | The wrong input source is selected on your hi-fi amp or AV receiver. | On your hi-fi amp or AV receiver, select the input to which the DV-SP506 is connected. |
| | The audio cable is not connected properly. | Check the audio cable and correct as necessary. |
| | Your hi-fi amp or AV receiver is turned off. | Turn on your hi-fi amp or AV receiver. |
| | Not all of the analog and digital audio outputs work with all disc types and formats. | See pages 25 and 27 for details on how the DV-SP506 outputs audio from each output. |
| | Your AV receiver or TV may not support DSD. | Set the HDMI Audio Out setting to Auto, 6ch PCM, or 2ch PCM (page 51). |

| Symptom | Possible cause | Remedy |
|---|---|---|
| | **No Sound from the HDMI OUT?** | |
| | The HDMI Audio Out setting is set to Off. | Change the HDMI Audio Out setting to On (page 51). |
| | The DV-SP506 is connected to the DVI jack on your TV or AV receiver. | You won't hear any sound from the HDMI OUT if your TV or AV receiver only supports DVI. |
| | The HDMI setting on your TV or AV receiver is set to DVI. | Change the HDMI setting on your TV or AV receiver to HDMI. |
| | Your TV or AV receiver doesn't support Dolby or DTS. | Change the HDMI Audio Out setting to Auto or 2ch PCM (page 51). |
| | Your TV or AV receiver doesn't support 88.2 kHz, 96 kHz, 176.4 kHz or 196 kHz PCM. | Change the Linear PCM Out setting to Down Sample On (page 51). |
| | The HDMI Audio Out setting is set to 6ch PCM or 6ch DSD, but your AV receiver or TV does not support these formats. | Set the HDMI Audio Out setting to Auto or 2ch PCM (page 51). |
| | **No Digital Audio Output?** | |
| | The HDMI Audio Out setting is set to Off. | Change the HDMI Audio Out setting to either Auto or PCM (page 51). |
| | Your TV or AV receiver doesn't support Dolby or DTS. | Change the HDMI Audio Out setting to other than Off (page 51). |
| **No sound?** | Your TV or AV receiver doesn't support 88.2 kHz or 96 kHz PCM. | Change the Linear PCM Out setting to Down Sample On (page 51). |
| | The SACD Audio Setup setting is set to DSD. | Nothing is output by the OPTICAL and COAXIAL outputs when DSD is selected. Change the SACD Audio Setup setting to PCM (page 53). |
| | Your TV or AV receiver doesn't support DTS. | The DV-SP506 will not be able to play DTS format audio or soundtracks. On your DVD-Video disc's audio setup menu, select an audio format other than DTS. |
| | The source material is DTS and the Digital Audio Out setting is set to PCM. | When the Digital Audio Out setting is set to PCM, DTS sources are not output by the digital audio outputs. Change the setting to ALL. |
| | A DVD-Audio disc featuring 176.4 kHz or 192 kHz audio is being played. | The OPTICAL and COAXIAL outputs cannot output 176.4 kHz or 192 kHz audio. Set the Linear PCM Out setting to Down Sample On. |
| | The disc uses copy protection that prevents audio being output by the digital outputs. | Use another disc. |
| **The picture distorts occasionally?** | The disc is dirty. | Remove the disc and clean it (page 10). |
| | You're using the Fast Forward or Fast Reverse function. | A little picture distortion may occur when using these functions. This is normal. |
| **Picture instability or noise?** | The DV-SP506 is connected to your TV via a VCR or other video equipment whose copy protection system is affecting the picture. | Connect the DV-SP506 directly to your TV. |
| | No disc loaded. | Load a disc (page 31). |
| | The disc is incompatible. | Load only compatible discs (pages 8, 9). |
| | The disc is upside down. | Load the disc the correct way up (page 31). |
| **Can't start playback?** | The disc is not centered in the disc tray. | Place the disc in the center of the disc tray (page 31). |
| | The disc is dirty. | Remove the disc and clean it (page 10). |
| | The disc supports parental lock and the Parental Lock function is on. | Turn off the Parental Lock function (page 56). |

| Symptom | Possible cause | Remedy |
|---|---|---|
| **Can't watch the DVD-Video material on a DVD-Audio disc?** | The DVD Priority Contents setting is set to DVD-AUDIO. | Set the DVD Priority Contents setting to DVD-VIDEO (page 57). |
| **Can't play the multichannel area of a hybrid SACD?** | The SACD Priority Contents setting is not set to Multi ch Area. | Set the SACD Priority Contents setting to Multi ch Area (page 57). |
| **Can't play MP3 and JPEG discs?** | The disc is not ISO 9660 Level 2 format. | Use only ISO 9660 Level 2 format discs (page 9). |
| | The disc has not been finalized. | Finalize the disc (page 9). |
| **Can't select MP3 files?** | MP3 files without a ".mp3" or ".MP3" file-name extension are not recognized. | Use the correct filename extension (page 9). |
| | The MP3 disc is a multisession disc. | Only files in the first session of a multisession disc can be played (page 9). |
| **Can't play WMA files?** | WMA files without a ".wma" or ".WMA" file-name extension are not recognized. | Use the correct filename extension (page 9). |
| | The WMA file's copyright option is on. | Don't use the copyright option (page 9). |
| **Can't view JPEG files?** | JPEG files without a ".jpg" or ".JPG" or ".JPEG" filename extension are not recognized. | Use the correct filename extension (page 9). |
| | The JPEG file is too big. | Use JPEG files that are less than 5 megabytes (page 9). |
| **Can't play a DivX file?** | The file is not encoded correctly. | Make sure the DivX file was encoded with DivX Version 5, 4, or 3 Home Theater mode. |
| **DivX plays but there's no sound?** | The DV-SP506 may not support the audio format. | Try re-encoding the file with a supported audio format. |
| **Buttons on the DV-SP506 and remote controller don't work?** | Power supply voltage fluctuations and other anomalies, such as static electricity, can interfere with normal operation. | Turn off the DV-SP506, wait five seconds, then turn it on again. If that doesn't resolve the issue, disconnect the power cord from the wall outlet, wait ten seconds, reconnect it, then try again. |
| **Buttons on the DV-SP506 work OK but those on the remote controller don't?** | There are no batteries in the remote controller. | Install new batteries (page 11). |
| | The batteries are flat. | Replace with new batteries (page 11). |
| | The batteries are installed incorrectly. | Check the batteries and correct as necessary (page 11). |
| | You're not pointing the remote controller at the DV-SP506's remote sensor. | Point the remote controller at the DV-SP506's remote sensor (page 11). |
| | You're too far away from the DV-SP506. | Use the remote controller closer to the DV-SP506 (page 11). The remote controller has a range of approximately 16 ft. (5 meters). |
| | A strong light source is interfering with the DV-SP506's remote sensor. | Make sure that the DV-SP506 is not subjected to direct sunshine or inverter-type fluorescent lights. Relocate if necessary. |
| | If the DV-SP506 is installed in a cabinet with colored glass doors, the remote controller may not work reliably when the doors are closed. | Open the doors, or use a cabinet without colored glass. |
| **The RI functions don't work?** | The RI cable is not connected properly. | Make sure the RI cable is connected properly. |
| | The DV-SP506 is not connected with an analog audio connection. | To use RI, you must make an RI connection and an analog audio connection (RCA) between the DV-SP506 and the AV receiver, even if they are connected digitally. |

| Symptom | Possible cause | Remedy |
|---|---|---|
| **RIHD doesn't work?** | The HDMI Control setting is set to Off. | Set the HDMI Control setting to On. |
| | A component in your system does not support CEC. | Refer to the component's instruction manual to see if it supports CEC. |
| | A component in your system has HDMI CEC control turned off. | Refer to the component's instruction manual and turn on HDMI CEC control. |
| | One of the components in your system does not support CEC or is not connected correctly. | Refer to the other component's instruction manual to see if it supports CEC and check your connections. |
| | There's a problem with the HDMI cable that you're using. | Try another HDMI cable. |
| | The DV-SP506's settings may be changed by disconnecting and connecting the HDMI cable. | Display a video manually on the TV. |
| | An **RI** cable is connected to the DV-SP506 and RIHD function is on. | Disconnect the **RI** cable. |

**The DV-SP506 contains a microcomputer for signal processing and control functions. In very rare situations, severe interference, noise from an external source, or static electricity may cause it to lockup. In the unlikely even that this should happen, unplug the power cord from the wall outlet, wait at least ten seconds, and then plug it back in again. Alternatively, press and hold the Stop [■] button until "RESET" appears on the display (about 10 seconds).**

**Onkyo is not responsible for damages (such as CD rental fees) due to unsuccessful recordings caused by the unit's malfunction. Before you record important data, make sure that the material will be recorded correctly.**

■ **Restoring the Default Settings**

To reset the DV-SP506 to its factory defaults, turn it on, and when "NO DISC" has disappeared from the display, while holding down the Stop [■] button, press the [ON/STANDBY] button. "INITIALIZE" appears on the display. When the reset is complete, "COMPLETE" is displayed, and the DV-SP506 enters Standby mode.

■ **HDMI Status Mode**

If you're using an HDMI connection and there's no picture or sound, you can check the status of the HDMI connection by pressing and holding down the DV-SP506's [DISPLAY] button for 10 seconds until a message ID appears on the display. Look up the message ID in the following tables and check the HDMI connections and settings on both the DV-SP506 and the connected component.

**HDMI connection and HDMI-related settings status**

| Displayed ID | Message |
|---|---|
| MSG ID 001<br>MSG ID 005<br>MSG ID 015 | Turn the DV-SP506 and the connected component off, then turn them on again. Make sure that the connected component is working properly and that the DV-SP506's HDMI settings are configured suitably for that component. |

**No picture from the HDMI connection**

| Displayed ID | Message |
|---|---|
| MSG ID 002 | The HDMI Output Setting is set to Off. Change it to On (page 46). |
| MSG ID 003<br>MSG ID 004 | The HDMI cable may not be connected properly. Check the connection. Also, make sure the HDMI input on the TV or AV receiver is correctly configured to received HDMI. |
| MSG ID 005<br>MSG ID 006<br>MSG ID 007 | Make sure the HDMI input on the TV or AV receiver is correctly configured to received HDMI.<br>The connected component may not support HDCP. Make sure the connected component supports HDCP.<br>Turn the DV-SP506 and the connected component off, then turn them on again.<br>The DV-SP506 may be connected to the other component's DVI jack. Some TVs may not properly receive the video output by the DV-SP506. Also, with a DVI connection, there will be no sound. |
| MSG ID 008 | The DV-SP506's HD Resolution setting is set to 480i/576i, 720p, 1080i, or 1080p. If your TV doesn't support these resolutions, select another resolution (page 46). |
| MSG ID 009 | The connected component may not be receiving the HDMI signal properly.<br>Check the settings on the connected component. |

**No sound from the HDMI connection**

| Displayed ID | Message |
|---|---|
| MSG ID 009 | The connected component may not be receiving the HDMI signal properly.<br>Check the settings on the connected component. |
| MSG ID 010<br>MSG ID 021 | The DV-SP506's HDMI Audio Out setting is set to Off. Change the setting to Auto, 6ch DSD, 6ch PCM, or 2ch PCM (page 51). |
| MSG ID 012<br>MSG ID 013 | The connected component may not support Dolby Digital. Set the DV-SP506's HDMI Audio Out setting to Auto or 2ch PCM (page 51). |
| MSG ID 016<br>MSG ID 017 | The connected component may not support DTS. Set the DV-SP506's HDMI Audio Out setting to Auto or 2ch PCM (page 51). |
| MSG ID 020 | When playing an SACD or DVD-Audio disc, the HDMI Audio Out setting is set to 6ch DSD, 6ch PCM, or Off, but your AV receiver or TV does not support these audio formats. Change the setting to Auto or 2ch PCM. |

# Specifications

| | |
|---|---|
| **Signal System** | NTSC (North American model)<br>PAL/NTSC (Other models) |
| **Composite Video Output/Impedance** | 1.0 V (p-p)/75Ω negative sync, RCA |
| **S-Video Output/Impedance** | Y: 0.7 V (p-p)/75Ω negative sync, 4-pin mini DIN<br>C: 0.286 V (p-p)/75Ω |
| **Component Video Output/Impedance** | Y: 1.0 V (p-p)/75Ω<br>PB/PR: 0.7 V (p-p)/75 Ω RCA |
| **AV Connector (European model only)** | 21 pin terminal, Composite/S-Video/RGB Video output, 2 ch audio output, Scart |
| **Component Video Frequency Response** | 5 Hz–50 MHz |

| | | |
|---|---|---|
| **Frequency response** | DVD Audio | 4 Hz–88 kHz (192 kHz) |
| | Super Audio CD | 4 Hz–50 kHz |
| | DVD Linear Sound | 4 Hz–44 kHz (96 kHz)<br>4 Hz–22 kHz (48 kHz) |
| | Audio CD | 4 Hz–20 kHz (44.1 kHz) |

| | |
|---|---|
| **S/N Ratio** | 106 dB |
| **Audio Dynamic Range** | 96 dB |
| **THD (Total Harmonic Distortion)** | 0.004% (1 kHz) |
| **Wow and Flutter** | Below threshold of measurability |
| **Audio Output (Digital/Optical)** | –22.5 dBm |
| **Audio Output/Impedance (Digital/Coaxial)** | 0.5 Vp-p/75Ω |
| **Audio Output/Impedance (Analog)** | FRONT D.MIX/CENTER/SUBWOOFER: 2,0 V/440Ω<br>SURROUND 1, 2:   2,0 V/440Ω (SURR MODE 1)<br>1,4 V/440Ω (SURR MODE 1+2) |

## ■ General

| | |
|---|---|
| **Power Supply** | North American model: AC 120 V, 60 Hz<br>Other models: AC 100–240 V, 50/60 Hz |
| **Power Consumption** | 22 W |
| **Stand-by Power Consumption** | 0.5 W |
| **Dimensions (W x H x D)** | 435 x 80.4 x 309 mm<br>(17 1/8" x 3 3/16" x 12 3/16") |
| **Weight** | 3.7 kg (8.2 lbs.) |
| **Operation Condition Temperature and Humidity** | 5˚C–35˚C (41˚F–95˚F), 5%–85% |
| **Disc Compatibility** | DVD-Audio, SACD, DVD-Video, VCD, audio CD, MP3, WMA, JPEG, DivX, CD-R/RW, DVD±R (include DL), DVD±R/RW (Video Mode).<br>(Discs that have not been property finalized may only be partially playable or not playable at all.) |

Specifications and features subject to change without notice.

The letter displayed at the end of the product name found in catalogs and on package represents the color of the DV-SP506. Though the color varies, the specifications and operations are the same.

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