

# ONKYO®

## DVD Changer

# DV-CP706

## Instruction Manual

Thank you for purchasing an Onkyo DV-CP706 DVD Changer. Read this manual carefully before using your new DVD Changer. A good understanding of its features and operation will allow you to achieve optimum performance and enjoyment.

Keep this manual for future reference.

## Contents

Overview .....2

Connections ..... 18

Getting Started and Setting up .....23

Basic Playback .....25

Playback Techniques .....36

Detailed Settings .....43

Miscellaneous information .....51



## 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**  
RISK OF ELECTRIC SHOCK  
DO NOT OPEN

**AVIS**  
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.

## 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.

## Precautions—Continued

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.



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 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 Canadiens

**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 ÉLECTRIQUES, INTRODUIRE LA LAME LA PLUS LARGE DE LA FICHE DANS LA BORNE CORRESPONDANTE DE LA PRISE ET POUSSER JUSQU'AU FOND.

# Contents

---

<b>Important Safety Instructions .....</b>	<b>2</b>	<b>Advanced Playback.....</b>	<b>36</b>
<b>Precautions.....</b>	<b>3</b>	Repeat Playback .....	36
<b>Introduction .....</b>	<b>6</b>	A–B Repeat Playback .....	37
Supplied Accessories.....	6	Random Playback .....	37
DV-CP706 Features .....	7	Memory Playback.....	38
Disc Notes .....	8	Using Last Memory .....	39
DV-CP706-related Terminology.....	11	Selecting Camera Angles.....	40
<b>Controls &amp; Connectors .....</b>	<b>12</b>	Selecting Languages & Audio Formats.....	40
Front Panel .....	12	Selecting Subtitles .....	40
Display .....	13	Zooming.....	41
Rear Panel .....	14	Displaying Information.....	42
Remote Controller.....	15	<b>Configuring the DV-CP706.....</b>	<b>43</b>
<b>Before Using the DV-CP706 .....</b>	<b>17</b>	Using the On-screen Setup Menus .....	44
Installing the Remote Controller's		Picture Menu.....	44
Batteries .....	17	Audio Menu .....	46
Using the Remote Controller.....	17	Language Menu .....	47
<b>Connecting the DV-CP706.....</b>	<b>18</b>	Display Menu .....	47
Before Making Any Connections.....	18	Operating Setting Menu.....	48
AV Cables & Connectors.....	18	Initial Setup Menu .....	49
Connecting Your TV or Projector.....	19	Selecting Other Languages .....	49
Connecting an AV receiver .....	20	Language Code List.....	50
Connecting a Stereo Amp .....	20	<b>Troubleshooting .....</b>	<b>51</b>
Connecting a Component with an HDMI		<b>Specifications .....</b>	<b>55</b>
Input.....	21		
Connecting -compatible Components .....	22		
<b>Powering Up &amp; Setting Up the</b>			
<b>DV-CP706.....</b>	<b>23</b>		
Powering Up the DV-CP706.....	23		
First Time Setup .....	23		
Setting the HDMI.....	24		
<b>Basic Playback.....</b>	<b>25</b>		
Loading & Removing Discs .....	25		
Loading Discs During Playback.....	26		
Selecting Discs .....	26		
Starting, Pausing & Stopping Playback .....	27		
Navigating Disc Menus.....	28		
Using the Disc Navigation Window.....	29		
Selecting Titles, Chapters & Tracks by			
Number .....	30		
Locating Specific Points in Time.....	31		
Fast Forward & Reverse.....	32		
Frame-by-Frame Playback .....	32		
Slow-motion Playback .....	33		
Adjusting the Display Brightness.....	33		
Using JPEG CDs .....	34		
Using Chain Mode .....	35		
Using Party Mode .....	35		

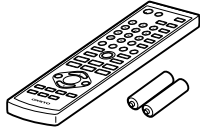
# Introduction

---

## Supplied Accessories

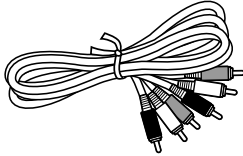
Make sure you have the following accessories:

---



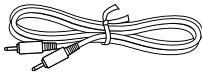
**Remote controller (RC-655DV) & 2 batteries (AA/R6)**

---



**AV connecting cable (RCA/phono) (1.5 m)**

---

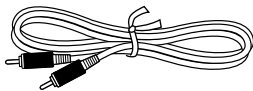


### **RI cable (0.8 m)**

This cable is used to connect the DV-CP706 to other **RI**-compatible Onkyo components for **RI** (Remote Interactive) control.

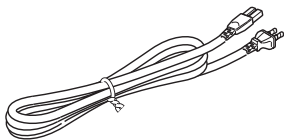
To use **RI**, in addition to an **RI** connection, you must make an analog audio connection (RCA) between the DV-CP706 and your Onkyo AV receiver.

---



**Coaxial digital cable (1.0 m)**

---



### **Power cord**

(Power cord varies from country to country.)

---

In catalogs and on packaging, the letter at the end of the product name indicates the color. Specifications and operation are the same regardless of color.

### DV-CP706 Features

#### Highlights

- HDMI output with 1080p upscaling
- Dolby<sup>\*1</sup> Digital and DTS Digital Out<sup>\*2</sup>
- Holds up to six discs
- Chain mode for successive disc playback
- Party mode plays discs in random order
- DVD-Video playback
- Audio CD playback
- MP3/WMA<sup>\*3</sup> playback with on-screen display
- JPEG picture display and slideshow (with HD JPEG resolution via HDMI)
- CD-R, CD-RW (Audio CD, MP3/WMA/JPEG)
- DVD-R/RW, DVD+R/RW (DVD-Video, MP3/WMA/JPEG)
- Vector Linear Shaping Circuitry<sup>\*4</sup>

#### Video

- 480i video output by advanced scaling devices
- Advanced 108 MHz/14-bit video D/A converter
- HDMI<sup>\*5</sup> digital interface
- Component video output
- S-Video and composite video outputs
- Title, chapter, track, or time search
- Last Memory function allows you to resume playback from a specific point on a DVD-Video disc, even if that disc has been removed from the DV-CP706
- Supports 4:3 and 16:9 aspect ratio TVs
- View mode (Normal/View mode 1/2/3)
- Multiple camera angle support
- Parental Lock function
- Screen Saver function

#### Audio

- Digital/analog isolated circuit layout to reduce digital noise
- Audiophile-class performance
- Dynamic Range Control setting
- 192 kHz/24-bit D/A converter
- Coaxial digital output
- Optical digital output
- Analog output

#### Others

- Onkyo RIHD<sup>\*6</sup> system control
- Ultra-quiet loading mechanism
- Load discs without stopping playback
- Program playback (32 tracks, Title, Chapter)
- Zoom function
- Adjustable display brightness
- Slow motion playback

- Fast forward and reverse
- Repeat playback options include: Chapter, Title, 1 Disc, All Discs, Track, and Folder (MP3/WMA)
- Random playback options include: Title, 1 Disc, All Discs, and Folder (MP3/WMA)
- Supports up to 8 soundtracks/languages
- Supports up to 32 subtitle languages



Manufactured under license from Dolby Laboratories. Dolby and the double-D symbol are trademarks of Dolby Laboratories.



Manufactured under license under U.S. Patent #'s: 5,451,942 & other U.S. and worldwide patents issued & pending. DTS and DTS Digital Out are registered trademarks and the DTS logos and Symbol are trademarks of DTS, Inc. All rights reserved.

- \*3. Windows Media, and the Windows logo are trademarks, or registered trademarks of Microsoft Corporation in the United States and/or other countries.



VLSC and the VLSC logo are registered trademarks of Onkyo Corporation.



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







RIHD is a trademark of Onkyo Corporation.

**Disc Notes**

**Supported Discs**

The DV-CP706 supports the following discs.

Disc	Logo	Format or file type
DVD-Video		*1
DVD-R <sup>*2</sup>		DVD-Video, MP3, WMA, JPEG
DVD-RW <sup>*2</sup>		DVD-Video, MP3, WMA, JPEG
Audio CD <sup>*3</sup>		PCM
CD-R <sup>*2</sup>		Audio CD, MP3, WMA, JPEG
CD-RW <sup>*2</sup>		Audio CD, MP3, WMA, JPEG
JPEG CD		JPEG

**– DVD+R/RW –**

**The DV-CP706 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 The Australian 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 total size of the data is too small. See the manual supplied with your disc burner for more information. Condensation or dirt on the optical pickup lens can also affect playback.

\*3 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-CP706.

- The DV-CP706 supports DVD-R/+R dual layer discs.
- The DV-CP706 does not support disc types not listed.
- The DV-CP706 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-CP706.



- 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-CP706 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-CP706.

**DVD Region Numbers**



The North American DV-CP706 supports only Region 1 DVD-Video discs bearing this logo.








The Australian DV-CP706 supports only Region 4 DVD-Video discs bearing this logo.

If you attempt to play a disc intended for another region, a message saying that the disc cannot be played appears.

**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-Video
	Audio CD
	MP3 file
	WMA file
	JPEG file

**About this Manual**

This manual explains how to use all of the DVD player's functions. Although the DVD standard offers many special features, not all discs use them all, so depending on the disc being played, the DVD player 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 on-screen, indicating that the feature is not supported by the current disc or by the DVD player.

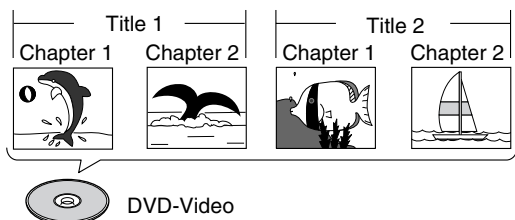




## Disc Content Organization

### ■ DVD-Video Format

DVD-Video discs contain titles, which are usually subdivided into chapters.



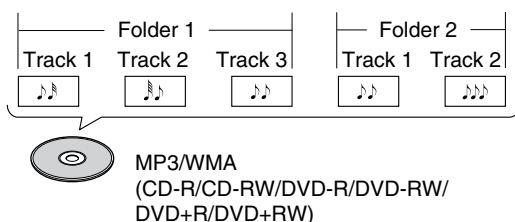
### ■ Audio CD Format

Audio CDs contain tracks.



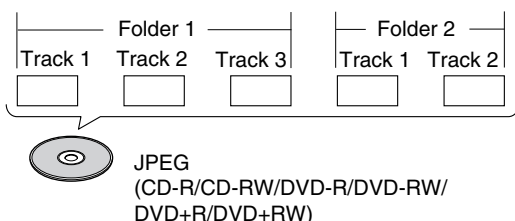
### ■ MP3/WMA Files

MP3 and WMA files are typically organized into folders. The DV-CP706 handles MP3 and WMA files as tracks.



### ■ JPEG Files

JPEG picture files are typically organized into folders. The DV-CP706 handles JPEG files as tracks.



## MP3/WMA/JPEG Compatibility

- The DV-CP706 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-CP706 can only recognize the first session on multisession discs.
- You can determine the order in which the DV-CP706 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-CP706 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 64 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 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.

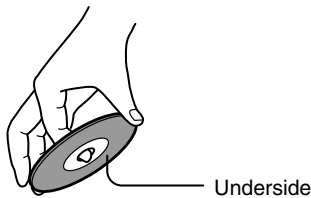
## About WMA

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.

### Handling Discs

---

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



- 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.

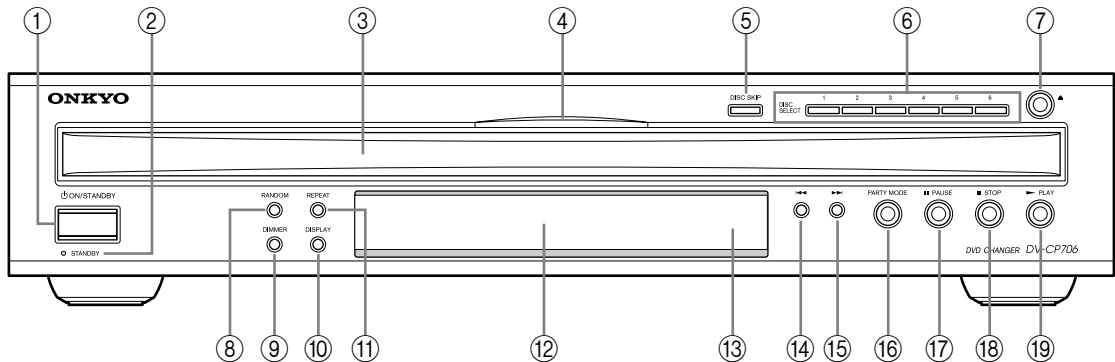
This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright-protection technology must be authorized by Macrovision Corporation,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

### DV-CP706-related Terminology

- **CD-R (Compact Disc Recordable):** A type of CD that can be recorded only once. Can be used to make audio CDs, or MP3/WMA/JPEG discs.
- **CD-RW (Compact Disc Rewritable):** A type of CD that can be recorded many times. Can be used to make audio CDs, MP3/WMA/JPEG discs.
- **Chapter:** Titles on DVD-Video discs can be subdivided into chapters.
- **Component video:** A video connection format that separates the luminance (Y) and color difference signals (PR, PB), providing better picture quality than S-Video.
- **Composite video:** A video connection format that mixes the luminance and color signals together.
- **Dolby Digital:** The multi-channel digital surround sound format used on most DVD-Videos.
- **Downmixing:** The process of mixing multiple audio channels into fewer channels. For example, a surround mix can be downmixed into two channels for reproduction on stereo systems.
- **Downsampling:** The process of reducing the sampling rate of digital audio.
- **DTS (Digital Theater System):** The surround format that uses less compression for faithful reproduction.
- **DVD-R (DVD Recordable):** A type of DVD disc that can be recorded only once. Can be used to make DVD-Video discs or to store computer data.
- **DVD-RW (DVD Rewritable):** A type of DVD disc that can be recorded many times. Can be used to make DVD-Video discs or to store computer data.
- **DVD-Video:** The format for storing movies on DVD, with interactive menus, multiple language soundtracks, subtitles, camera angles, and so on.
- **Field:** In interlaced scanning, a field is a single scan of the screen. There are two fields per frame.
- **Frame:** An individual TV picture is called a frame. With the NTSC color system there are 30 frames per second.
- **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 (High Definition Multimedia Interface):** A new connection format that greatly simplifies AV connections by carrying uncompressed SD or HD digital video and digital audio all in one cable.
- **Interlaced scanning:** TV pictures are made by scanning the screen in horizontal lines from top to bottom. With Interlaced scanning, two scans (*fields*) are used to make each picture (*frame*). *Contrast with* Progressive scanning.
- **JPEG (Joint Photographic Experts Group):** The compressed file format used to store digital photos.
- **LFE (Low-Frequency Effects):** The surround-sound channel used for low-frequency effects.
- **Linear PCM:** The uncompressed digital audio format used for audio CDs. PCM stands for *Pulse Code modulation*.
- **MP3 (MPEG 1 Audio Layer 3):** Popular compressed file format for storing digital music.
- **MPEG1 (Moving Picture Experts Group 1):** The compressed digital video format used for Video CDs.
- **MPEG2 (Moving Picture Experts Group 2):** The compressed digital video format used for DVD-Videos, offering better picture quality than MPEG1.
- **NTSC:** The color TV system used in the United States, Japan, Taiwan, and Korea.
- **PAL:** The color TV system used in most of Europe, the United Kingdom, Australia, Brazil, and China.
- **Progressive scanning:** TV pictures are made by scanning the screen in horizontal lines from top to bottom. With progressive scanning, each picture (*frame*) is made by scanning the entire screen in one go, resulting in a clearer and stabler picture. *Contrast with* Interlaced scanning.
- **RIHD (Remote Interactive over HDMI):** Onkyo's implementation of CEC (Consumer Electronics Control), which allows integrated system control over HDMI and is part of the HDMI standard.
- **S-Video:** A video connection format that separates the luminance (Y) and color (C) signals, providing better picture quality than composite video.
- **Title:** Movies on DVD-Video are called titles.
- **WMA (Windows Media Audio):** A compressed file format for storing digital music.

# Controls & Connectors

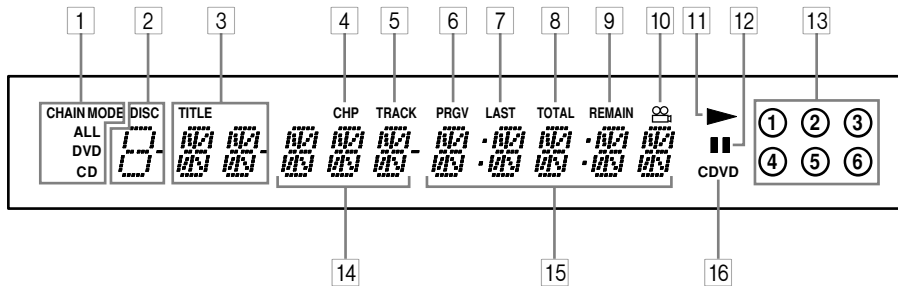
## Front Panel



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

- ① **ON/STANDBY button (23)**  
This button is used to set the DV-CP706 to On or Standby.  
Don't turn on the power until you've completed, and double checked all connections.
- ② **STANDBY indicator (23)**  
This indicator lights up when the DV-CP706 is in Standby mode.
- ③ **Disc tray (25)**  
The disc tray has six bays for loading up to six discs.
- ④ **Disc tray light**  
This light illuminates the disc tray. It comes on when the DV-CP706 is turned on, and is brighter while the disc tray is open.
- ⑤ **DISC SKIP button (25, 26)**  
This button is used to select the disc bays (i.e., rotate the disc tray) when loading or removing discs, and to select discs for playback.
- ⑥ **DISC SELECT 1-6 buttons (26)**  
These buttons are used to select discs. Playback starts automatically when a disc is selected with these buttons.
- ⑦ **Open/Close [▲] button (24, 25, 26)**  
This button is used to open and close the disc tray.
- ⑧ **RANDOM button (37)**  
This button is used with the Random function.
- ⑨ **DIMMER button (33)**  
This button is used to adjust the display brightness and turn the disc tray light on or off.
- ⑩ **DISPLAY button (42)**  
This button is used to display information about the current disc, title, chapter, or track, including the elapsed time, remaining time, total time, and so on.
- ⑪ **REPEAT button (36)**  
This button is used with the Repeat function.
- ⑫ **Display**  
See "Display" on page 13 for more information.
- ⑬ **Remote control sensor (17)**  
This sensor receives control signals from the remote controller.
- ⑭ **Previous [◀◀] button (27, 29, 30, 34)**  
This button is used to select the previous chapter or track. During playback it selects the beginning of the current track.
- ⑮ **Next [▶▶] button (27, 29, 30, 34, 37)**  
This button is used to select the next chapter or track.
- ⑯ **PARTY MODE button (35)**  
This button is used with the Party mode function.
- ⑰ **PAUSE [⏸] button (27)**  
This button is used to pause playback.
- ⑱ **STOP [■] button (27)**  
This button is used to stop playback and to cancel Party mode.
- ⑲ **PLAY [▶] button (27)**  
This button is used to start playback and to cancel fast forward and fast reverse.

## Display



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

**1 CHAIN MODE, ALL, DVD & CD indicators (35)**

The CHAIN MODE indicator appears when the Chain mode function is on. The ALL, DVD, and CD indicators show the type or Chain mode selected. When Party mode is selected, the CHAIN MODE and CD indicators appear.

**2 DISC indicator**

The number of the currently selected disc appears here.

**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 CHP indicator**

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

**5 TRACK indicator**

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

**6 PRGV indicator**

This indicator appears when the component video output is outputting progressive video. While the indicator is shown, nothing is output by the other video outputs.

**7 LAST indicator (39)**

This indicator appears when the Last Memory function has been set.

**8 TOTAL indicator**

This indicator appears while the total time is being displayed.

**9 REMAIN indicator**

This indicator appears while the remaining time is being displayed.

**10 Camera angle ∞ indicator (40)**

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

**11 Play ▶ indicator (27)**

This indicator is shown during playback.

**12 Pause || indicator (27)**

This indicator appears when playback is paused.

**13 Disc indicators 1–6 (25)**

These indicators show how many discs are loaded. The number of the current disc has a circle around it.

When the disc tray is closed, all of the disc indicators appear until the DV-CP706 has checked each bay for the presence of a disc. If a bay is found to have no disc, the corresponding indicator disappears.

**14 Chapter & track number**

Chapter and track numbers appears here.

**15 Time display**

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

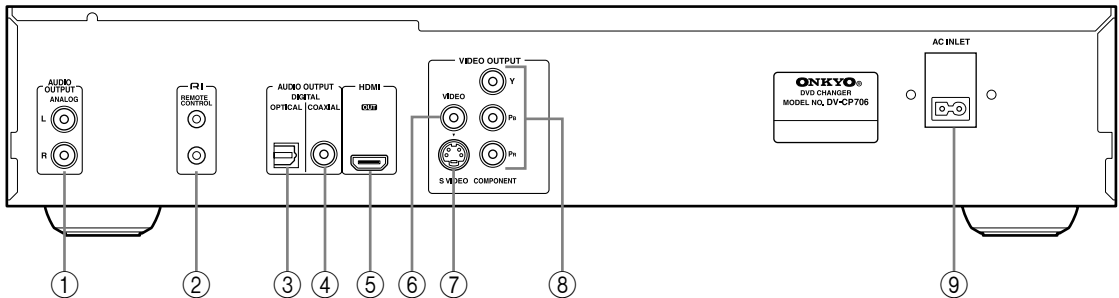
**16 CDVD indicator**

This indicator shows the type of disc currently selected:

**DVD:** DVD-Video, DVD-R, DVD-RW, DVD+R, or DVD+RW

**CD:** Audio CD, MP3/WMA/JPEG CD-R, or CD-RW

## Rear Panel



### ① ANALOG AUDIO OUTPUT

These RCA/phono connectors can be connected to analog audio inputs on a hi-fi amp, or AV receiver.

### ② RI REMOTE CONTROL

These **RI** (Remote Interactive) connectors can be connected to the **RI** connectors on your other Onkyo AV components for interactive control. If you're using RIHD, do not connect anything to these connectors.

### ③ OPTICAL AUDIO OUTPUT

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).

### ④ COAXIAL AUDIO OUTPUT

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).

### ⑤ HDMI OUT

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

### ⑥ VIDEO OUTPUT

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

### ⑦ S VIDEO OUTPUT

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

### ⑧ COMPONENT VIDEO OUTPUT

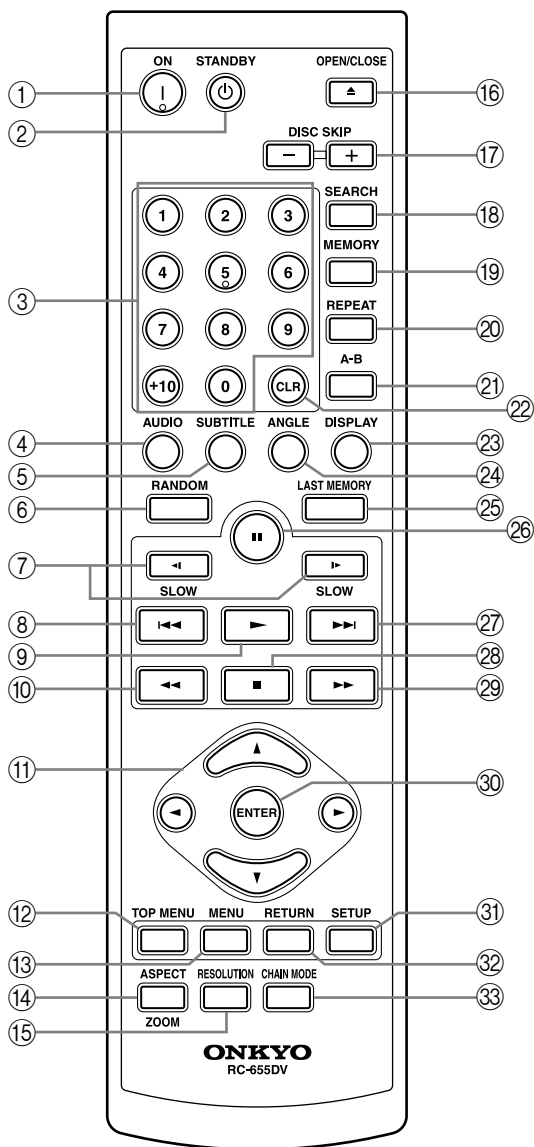
These RCA/phono connectors can be used to connect a TV or projector with component video inputs.

### ⑨ AC INLET

The supplied power cord connects to this polarized inlet. The other end of the power cord should be connected to a suitable wall outlet. On the Australian model, the power cord is not polarized.

See page 19–22 for connection information.

## Remote Controller



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

- ① **ON button (23)**  
This button is used to turn on the DV-CP706. Don't turn on the DV-CP706 until you've completed, and double checked all connections.
- ② **STANDBY button (23)**  
This button is used to set the DV-CP706 to Standby.
- ③ **Number buttons (30, 31, 38, 48)**  
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 (28, 40)**  
This button is used to select foreign language soundtracks and audio formats (e.g., Dolby Digital or DTS).
- ⑤ **SUBTITLE button (28, 40)**  
This button is used to select subtitles.
- ⑥ **RANDOM button (37)**  
This button is used with the Random Playback function.
- ⑦ **SLOW [◀|▶] buttons (33)**  
These buttons are used for slow motion playback.
- ⑧ **Previous [◀◀] button (27, 29, 30, 34)**  
This button is used to select the previous chapter or track. During playback it selects the beginning of the current track.
- ⑨ **Play [▶] button (27)**  
This button is used to start playback.
- ⑩ **Fast Reverse [◀◀] button (32)**  
This button is used to start fast reverse.
- ⑪ **[▲], [▼], [◀], [▶] buttons (28)**  
These buttons are used to navigate DVD-Video menus and the on-screen setup menus.
- ⑫ **TOP MENU button (28, 34)**  
This button is used to select the top menu.
- ⑬ **MENU button (28, 34)**  
This button is used to select the menu.

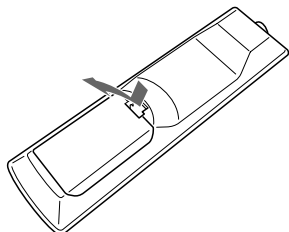
- ⑭ **ASPECT/ZOOM button (41, 45)**  
This button is used to change the view mode. Pressing and holding it for a few seconds selects Zoom mode.
- ⑮ **RESOLUTION button (24)**  
This button is used to set the video resolution of the HDMI OUT, and to turn the HDMI OUT on or off.
- ⑯ **OPEN/CLOSE [▲] button (25, 26)**  
This button is used to open and close the disc tray.
- ⑰ **DISC SKIP [+]/[-] button (25, 26)**  
This button is used to select the disc bays (i.e., rotate the disc tray) when loading or removing discs, and to select discs for playback.
- ⑱ **SEARCH button (30, 31)**  
This button is used to search for titles, chapters, tracks, and specific points in time.
- ⑲ **MEMORY button (38)**  
This button is used with the Memory Playback function.
- ⑳ **REPEAT button (36)**  
This button is used to set the Repeat Playback functions.
- ㉑ **A–B button (37)**  
This button is used to set the A–B Repeat Playback function.
- ㉒ **CLR button (39, 48)**  
This button is used to cancel various functions.
- ㉓ **DISPLAY button (42)**  
This button is used to display information about the current disc, title, chapter, or track, including the elapsed time, remaining time, total time, and so on.
- ㉔ **ANGLE button (40)**  
This button is used to select different camera angles.
- ㉕ **LAST MEMORY button (39)**  
This button is used with the Last Memory function.
- ㉖ **Pause [■] button (27, 32)**  
This button is used to pause playback. For DVDs, pressing this button while playback is paused moves the video forward one frame at a time.
- ㉗ **Next [▶▶] button (27, 29, 30, 34)**  
This button is used to select the next chapter or track.
- ㉘ **Stop [■] button (27)**  
This button is used to stop playback.
- ㉙ **Fast Forward [▶▶] button (32)**  
This button is used to start fast forward.
- ㉚ **ENTER button (44)**  
This button is used to start playback of the selected title chapter, or track and to confirm settings.
- ㉛ **SETUP button (44)**  
This button is used to open and close the on-screen setup menus.
- ㉜ **RETURN button (44)**  
This button is used to return to the previous screen.
- ㉝ **CHAIN MODE button (35)**  
This button is used with the Chain mode function.



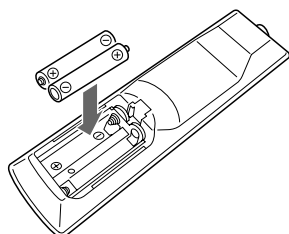
# Before Using the DV-CP706

## Installing the Remote Controller's Batteries

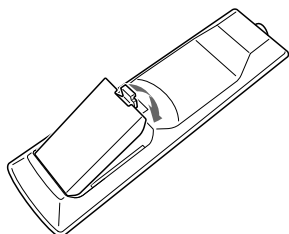
- 1** Open the battery compartment, as shown.



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



- 3** Close the battery compartment.

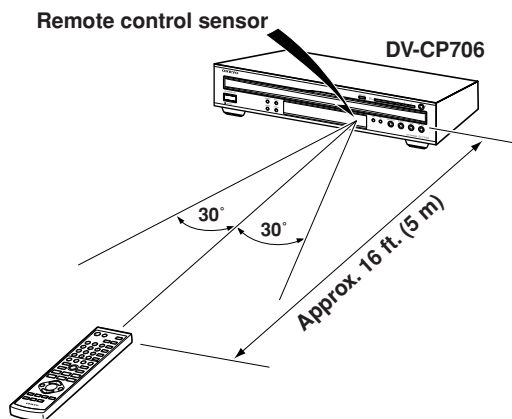


### Notes:

- 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-CP706's remote control sensor, as shown below.



### Notes:

- The remote controller may not work reliably if the DV-CP706 is subjected to bright light, such as direct sunlight or inverter-type fluorescent lights. Keep this in mind when installing the DV-CP706.
- If another remote controller of the same type is used in the same room, or the DV-CP706 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-CP706 is installed in a rack behind colored glass doors. Keep this in mind when installing the DV-CP706.
- The remote controller will not work if there's an obstacle between it and the DV-CP706's remote control sensor.

# Connecting the DV-CP706

This chapter explains how to connect the DV-CP706 to your other AV components.

## 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 Jack

The DV-CP706's optical digital jack has shutter-type cover that open when an optical plug is inserted and close when it's removed. Push plugs in all the way.

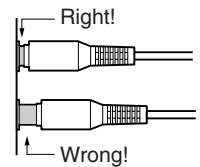
**Caution:** To prevent shutter damage, hold the optical plug straight when inserting and removing.

## RCA/phono AV Connection Color Coding

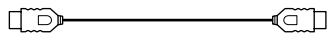

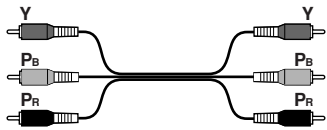

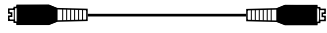

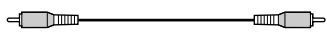

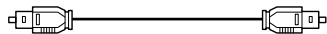

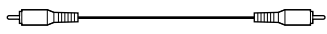



RCA/phono AV connections are usually color coded: red, white, and yellow. Use red plugs to connect right-channel audio inputs and outputs (typically labeled "R"). Use white plugs to connect left-channel audio inputs and outputs (typically labeled "L"). And use yellow plugs to connect composite video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



- Push the plugs in all the way to make a good connection.
- To prevent interference, keep audio and video cables away from power cords and speaker cables.



## AV Cables & Connectors

<b>HDMI</b>			HDMI connections can carry uncompressed, standard or high definition digital video and digital audio, for the best picture and sound quality.
<b>Video</b>			
<b>Component video</b>			Component video separates the luminance (Y) and color difference signals (PR, PB), providing the best picture quality. (Some TV manufacturers label their component video inputs slightly differently.)
<b>S-Video</b>			S-Video provides better picture quality than composite video.
<b>Composite video</b>			Composite video can be found on virtually all TVs, VCRs, and other video equipment. Use only dedicated composite video cables.
<b>Audio</b>			
<b>Optical digital</b>			Optical digital audio connections with the optical digital audio output and a suitable AV receiver, you can enjoy DVD-Videos with surround sound.
<b>Coaxial digital</b>			Coaxial digital audio connections with the coaxial digital audio output and a suitable AV receiver, you can enjoy DVD-Videos with surround sound.
<b>Analog</b>			RCA/phono analog audio connectors can be found on virtually all AV components.

## Connecting Your TV or Projector

This section explains how to connect the DV-CP706 to your TV or projector. See page 21 for connecting a TV or projector that supports HDMI.

In this hookup example, the TV handles the audio and video. To enjoy Dolby Digital or DTS (surround), you'll need a compatible decoder (see page 20).

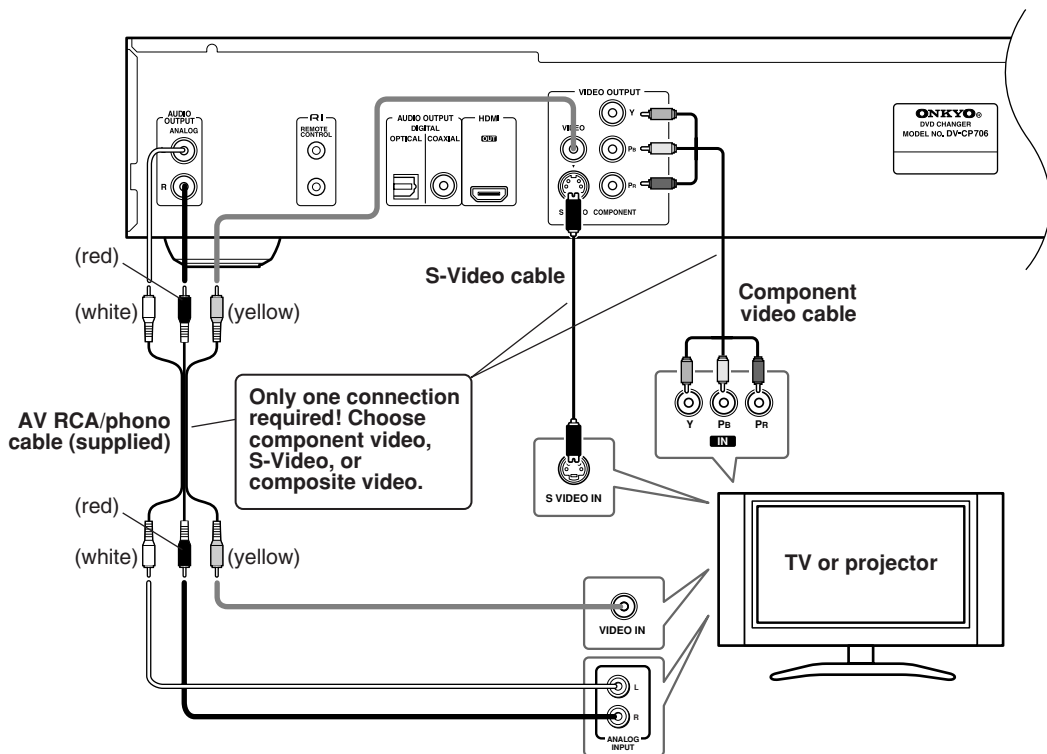
The DV-CP706 has four types of video output: **HDMI, component video, S-Video, and composite video.**

HDMI offers the best picture quality, so if your TV supports it, see page 21. Component video offers the next best picture quality, so if your TV supports it, use a commercially available component video cable to connect the DV-CP706's COMPONENT VIDEO OUTPUT to the component video input on your TV. If your TV supports progressive scanning, you must use component video in order to take advantage of that feature. S-Video offers better picture quality than composite video, so if your TV supports it, use the S-Video cable to connect the DV-CP706's S VIDEO OUTPUT to an S-Video input on your TV. Failing that, use the supplied composite video cable to connect the DV-CP706's VIDEO OUTPUT to a composite video input on your TV.

### Compatibility of this unit with progressive-scan TVs.

This player is compatible with progressive video Macro Vision System Copy Guard.

CONSUMERS SHOULD NOTE THAT NOT ALL HIGH DEFINITION TELEVISION SETS ARE FULLY COMPATIBLE WITH THIS PRODUCT AND MAY CAUSE ARTIFACTS TO BE DISPLAYED IN THE PICTURE. IN CASE OF 525 OR 625 PROGRESSIVE SCAN PICTURE PROBLEMS, IT IS RECOMMENDED THAT THE USER SWITCH THE CONNECTION TO THE "STANDARD DEFINITION" OUTPUT. IF THERE ARE QUESTIONS REGARDING OUR TV SET COMPATIBILITY WITH THIS MODEL 525p AND 625p DVD PLAYER, PLEASE CONTACT OUR CUSTOMER SERVICE CENTER.



- When the HDMI Output setting is set to On (see page 45), the DV-CP706 cannot output progressive video. To output progressive video, you must set the HDMI Output setting to Off (see page 45), and set the Progressive setting to Progressive (see page 45).
- When the Progressive setting is set to Progressive so that progressive video is output by the COMPONENT VIDEO OUTPUT, and the PRGV indicator is shown, nothing is output by the VIDEO (composite video) and S VIDEO (S-Video) outputs. To output video from these outputs, you must set the Progressive setting to Interlaced (see page 45).
- The Progressive can also be changed by pressing and holding the Previous [◀◀] button, and then pressing [ON/STANDBY] button.

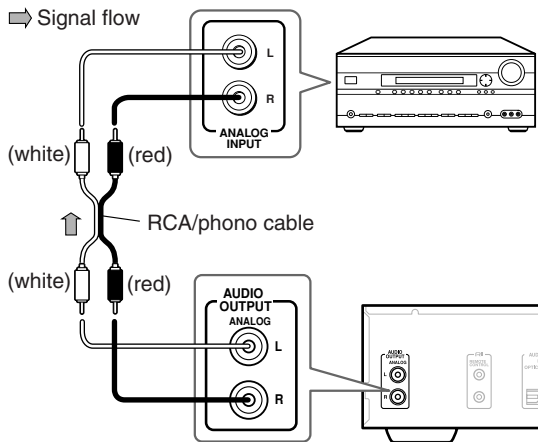
### Notes:

- Before making any connections, turn off the DV-CP706 and your TV and disconnect their power cords from the wall outlets.
- Also refer to the connection information supplied with your TV.
- Connect the DV-CP706's video outputs directly to your TV. Don't connect a VCR or other video equipment in between your DV-CP706 and TV. Doing so may result in picture distortion, because of the copy protection system used on DVD-Video discs.
- When you use the analog audio outputs, don't play DTS CDs or don't select DTS soundtracks on DVD-Video discs. Doing so will produce unpleasant digital noise, which may damage your equipment.

## Connecting an AV receiver

### Analog Connection

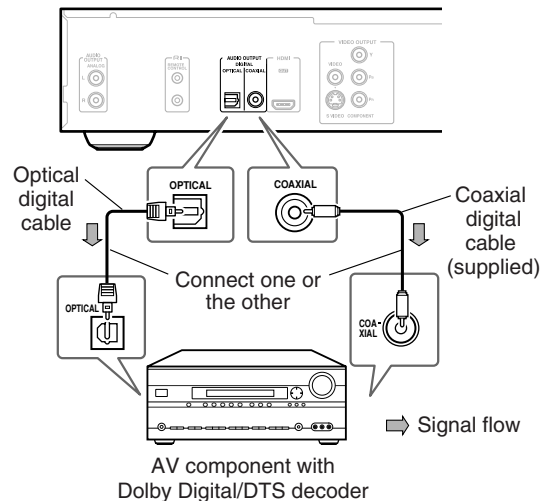
Use an RCA/phono audio cable to connect the DV-CP706's ANALOG AUDIO OUTPUTS to a pair of analog audio inputs on your AV receiver, as shown.



### Digital Connection

To enjoy Dolby Digital or DTS surround sound, you need to connect one of the DV-CP706 digital audio outputs to the digital input on a Dolby Digital or DTS decoder or an AV receiver with built-in decoders.

Use an optical (or coaxial) digital audio cable to connect the DV-CP706's COAXIAL (or OPTICAL) DIGITAL AUDIO OUTPUT to an optical (or coaxial) input on your AV receiver, as shown.



### Notes:

- Make sure that the Digital/HDMI Audio Out setting on the Audio menu is set to All (see page 46). Otherwise, you won't get surround sound.
- Also refer to the connection information supplied with your AV receiver or decoder.
- When playing Dolby Digital or DTS source material, be sure to select Dolby Digital or DTS decoding, respectively, on your AV receiver or decoder. See the relevant manuals.
- You can experience Dolby Digital only with DVDs that bear the Dolby Digital logo. Likewise, you can experience DTS only with DVDs or CDs that bear the DTS logo.

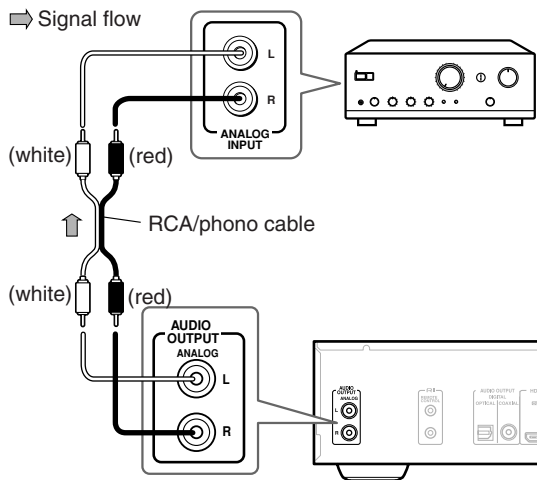
## Connecting a Stereo Amp

This section explains how to connect the DV-CP706 to a stereo amp for better sound quality than that of most TVs. This is ideal for playing your audio CDs and MP3/WMA discs in the DV-CP706. DVD-Video discs will sound better too.

## Connecting the DV-CP706—Continued

### Analog Connection

Use an RCA/phono audio cable to connect the DV-CP706's ANALOG AUDIO OUTPUTS to a pair of analog audio inputs on your stereo amp, as shown.

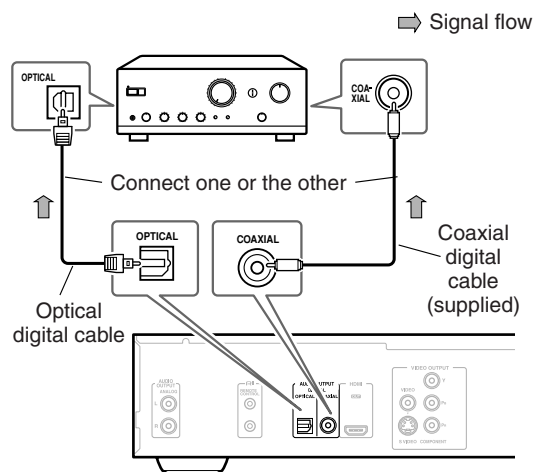


#### Note:

- When you use the analog audio outputs, don't play DTS CDs or don't select DTS soundtracks on DVD-Video discs. Doing so will produce unpleasant digital noise, which may damage your equipment.

### Digital Connection

Use an optical (or coaxial) digital audio cable to connect the DV-CP706's COAXIAL (or OPTICAL) DIGITAL AUDIO OUTPUT to an optical (or coaxial) input on your stereo amp, as shown.



#### Notes:

- Be sure to set the Audio menu, Digital/HDMI Audio Out setting to "PCM" (see page 46). Otherwise an unpleasant digital noise may be heard, which may damage your equipment.
- When the Audio menu, Digital/HDMI Audio Out setting is set to "PCM," Dolby Digital signals will be

converted and output as PCM. DTS signals will not be output at all.

- Never connect the DV-CP706 to the AC-3RF input on a Dolby Digital receiver. The AC-3RF format is not supported by the DV-CP706.

### Connecting a Component with an HDMI Input

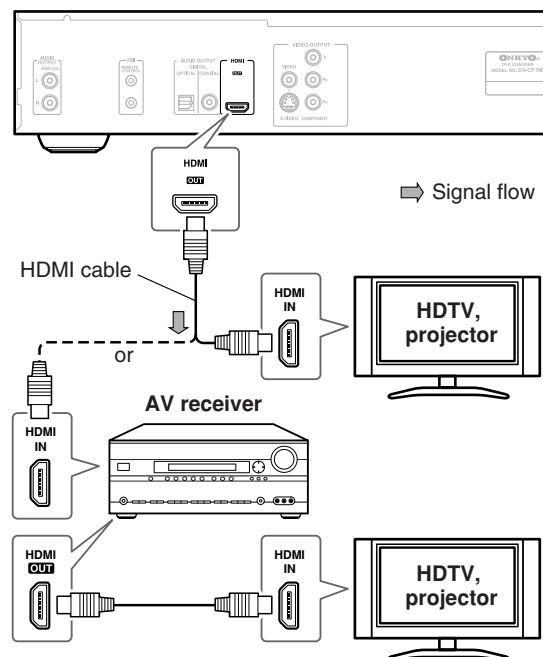
This section shows how to connect the DV-CP706 to an AV receiver, HDTV, or projector with an HDMI input.

#### What is HDMI?

HDMI (High Definition Multimedia Interface) is a new connection format that can carry uncompressed, standard or high definition digital video and up to eight channels of 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-CP706 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.

#### Using HDMI

Use the HDMI cable to connect the DV-CP706's HDMI OUT to an HDMI input on your AV receiver. Alternatively, you can connect the DV-CP706 directly to the HDMI input on your TV.



## Connecting the DV-CP706—Continued

### Notes:

- The DV-CP706 supports HDCP (High-bandwidth Digital Content Protection), a protection system for digital video. HDMI components that you connect to the DV-CP706 must also support HDCP.
- The DV-CP706 supports HDMI (High-Definition Multimedia Interface) Specification Information Version 1.0.

### HDMI & the DV-CP706

#### ■ Video

The DV-CP706's HDMI OUT supports the following video resolutions:

- 720 x 480i 60 Hz
- 720 x 480p 60 Hz
- 720 x 576i 50 Hz (Australian model only)
- 720 x 576p 50 Hz (Australian model only)
- 1280 x 720p 50/60 Hz
- 1920 x 1080i 50/60 Hz
- 1920 x 1080p 50/60 Hz

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

On the DV-CP706, you can select a resolution suitable for use with the connected HDTV or projector (see page 24).

#### ■ Audio Formats

The DV-CP706's HDMI OUT supports the following audio formats:

- PCM (48 kHz, 44.1 kHz, 96kHz)
- Dolby Digital
- DTS

If your TV only supports HDMI digital audio up to 48 kHz, change the Linear PCM Out setting to Down Sample On (see page 46).

If your TV doesn't support Dolby Digital, set the Digital/HDMI Audio Out setting to PCM (see page 46).

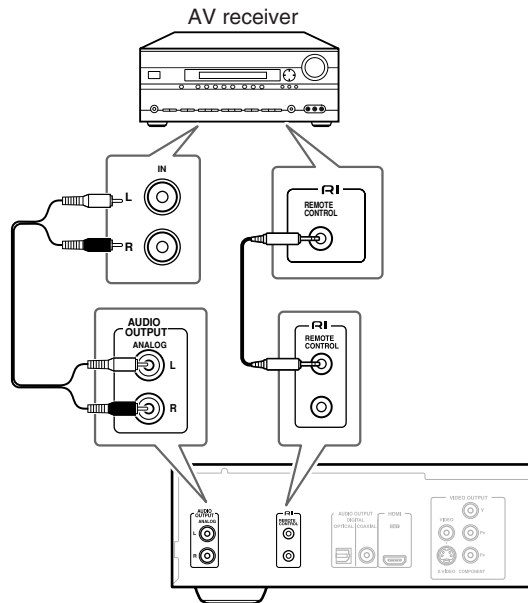
If your TV doesn't support DTS, the DV-CP706 will not be able to play DTS format audio or soundtracks. In this case, on your DVD-Video disc's audio setup menu, select an audio format other than DTS.

### RIHD (CEC)

The DV-CP706 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.

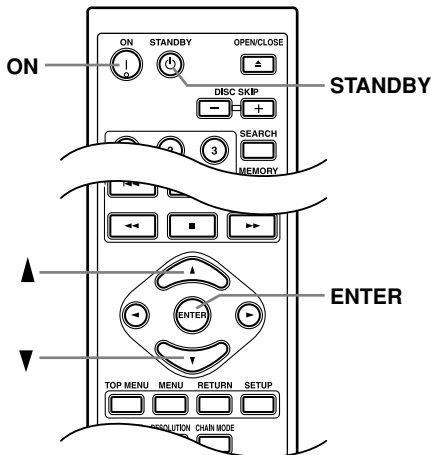
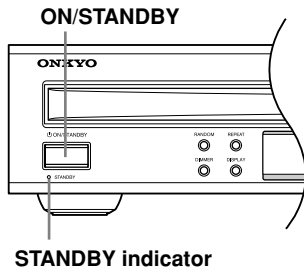
To use RIHD, make sure that CEC is turned on on your other components (e.g., TV, AV receiver)

### Connecting RI-compatible Components



- The remote controller supplied with Onkyo AV receiver or amplifiers can be used to control the DV-CP706.
- The function of the upper and lower **RI** connectors are the same. Connect to either one.
- Connecting an **RI** cable only does not make the system operational. You must also connect the audio cables as well.
- For remote control operation, you must make an analog RCA connection between your DV-CP706 and the other AV component, even if they are connected digitally.
- If you're using RIHD, do not connect anything to the **RI** connectors.

# Powering Up & Setting Up the DV-CP706



## Powering Up the DV-CP706

Before connecting the power cord, connect all your AV components (see page 18 to page 22).

Don't forget to turn on your TV or projector and select the video input to which the DV-CP706 is connected. If you're using a hi-fi amp, AV receiver, or surround sound decoder for audio playback, turn that on as well and select the audio input to which the DV-CP706 is connected.

- 1** Connect the supplied power cord to the DV-CP706's AC INLET.
- 2** Plug the other end of the power cord into a suitable wall outlet. The DV-CP706 enters Standby mode, and the STANDBY indicator comes on. When you disconnect the power cord, always disconnect it from the wall outlet first, and then the DV-CP706's AC INLET.

**3**



Remote controller



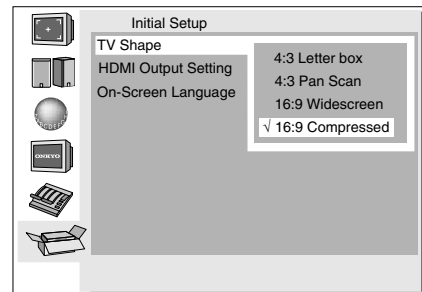
To turn on the DV-CP706, press the [ON/STANDBY] button (or the remote controller's [ON] button).

The DV-CP706 comes on, the display lights up, and the STANDBY indicator goes off.

To turn off the DV-CP706, press the [ON/STANDBY] button (or the remote controller's [STANDBY] button). The DV-CP706 enters Standby mode and the STANDBY indicator comes on.

## First Time Setup

The very first time you turn on your DV-CP706, the Initial Setup menu appears on-screen, as shown.



Here you need to specify the size of your TV (standard 4:3 or widescreen 16:9), specify a HDMI output setting, and select a language for the on-screen setup menus. You can change these settings later by using the on-screen setup menus (see page 43).

**1**

Remote controller

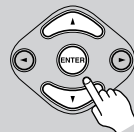


Use the remote controller's Up/Down [▲]/[▼] buttons to select a TV shape, and then press [ENTER].

See page 44 for more information on the TV Shape options. The HDMI Output Setting menu appears.

**2**

Remote controller



Select a HDMI Output Setting option, and then press [ENTER].

See page 45 for more information on the HDMI output options. The On-Screen Language menu appears.

**3**

Remote controller



Select a language, and then press [ENTER].

See page 47 for more information on the language options.

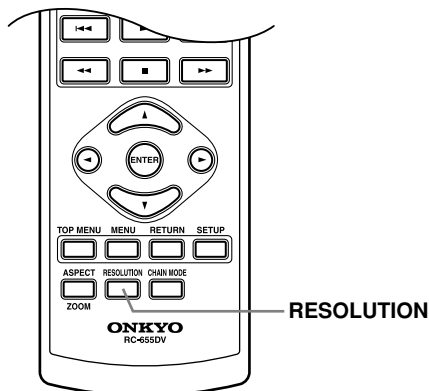
The Initial Setup menu closes.



Your DV-CP706 is now ready for use. See page 25 for information on loading discs, and page 26 for information on selecting and playing discs.

### Notes:

- You can cancel the Initial Setup by pressing the OPEN/CLOSE [▲] button, and complete the settings later by using the on-screen setup menus (see page 49).
- You can change the language of the on-screen setup menus, and your preferred languages for DVD menus, foreign language soundtracks, and subtitles individually on the Language page of the on-screen setup menus (see page 47).
- Depending on the connected CEC-compatible TV, some of the DV-CP706's settings may change when RIHD is on.
- Not all DVD-Video discs have multi-language menus, foreign language soundtracks, and subtitles. In such cases, the disc's default language is used.



## Setting the HDMI

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

**1**

**Press the [RESOLUTION] button to turn HDMI on or off.**

If HDMI is off, “HDMI OFF” appears on the display the first time the button is pressed. Press the button again while “HDMI OFF” is displayed to turn on HDMI.

To turn off HDMI, press and hold the [RESOLUTION] button.

**2**

Remote controller



**While “HDMI ON” is displayed, press the [RESOLUTION] button on the remote controller repeatedly to change the HDMI resolution.**

The first button press displays the current resolution on-screen. Press the button again while the resolution is displayed to change the setting. The DV-CP706 supports the following resolutions:

### Auto:

The resolution is automatically set to the native resolution of the TV connected to the HDMI OUT.

### 480p(480p/576p):

The setting displayed depends on the country in which you purchased the DV-CP706.

720 × 480p 60Hz or 720 × 576p 50Hz

### 480i(480i/576i):

The setting displayed depends on the country in which you purchased the DV-CP706.

720 × 480i 60Hz or 720 × 576i 50Hz

### 720p:

1280 × 720p 50/60Hz

### 1080i:

1920 × 1080i 50/60Hz

### 1080p:

1920 × 1080p 50/60Hz

### Tip:

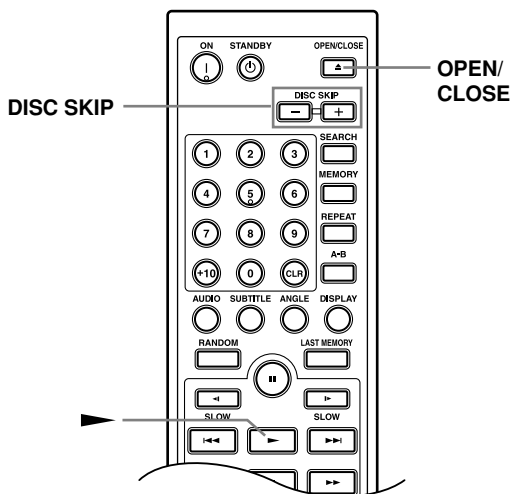
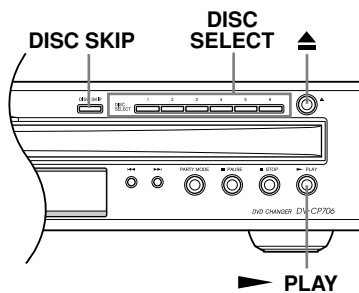
These settings can also be changed by using the on-screen setup menus (see page 45).

### Note:

- Depending on your setup, you may find that there's no picture when you turn on HDMI. In this case, you need to check the HDMI resolution setting and your TV's settings. If there is no picture, press the [RESOLUTION] button repeatedly until the picture reappears.



# Basic Playback



4

**When you've finished, press the OPEN/CLOSE [▲] button again.**

The disc tray closes.

See page 26 for information on selecting and playing discs.



Remote controller

OPEN/CLOSE



**Tip:** If you press the Play [▶] button, the disc tray will close and playback of the disc in the right bay will start automatically. If there is no disc in that bay, the DV-CP706 will check the other bays and play the first disc it finds.

**Tip:** If you press one of the DISC SELECT 1–6 buttons, the disc tray will close and playback of the selected disc will start automatically.

## Notes:

- You can load up to six discs. You don't have to load all six discs every time.
- When the disc tray is closed, all of the disc indicators appear until the DV-CP706 has checked each bay for the presence of a disc. If a bay is found to have no disc, the corresponding indicator disappears.
- The disc tray can be opened and closed even while the DV-CP706 is in Standby mode, so you don't have to turn it on to load or remove your discs. (The disc tray may take several seconds to open.)
- The DV-CP706 supports 8 cm and 12 cm discs. To avoid damaging your discs or DV-CP706, always place discs in the center of the disc bays.
- Only load discs that are supported by the DV-CP706 (see page 8). Don't load cartridge-type discs.
- To avoid personal injury, keep your hands away from the disc tray as it closes.
- Always use the OPEN/CLOSE [▲] button to open and close the disc tray. Never push the disc tray, and don't touch it, or obstruct it while it's opening or closing. Don't press down on the disc tray while it's open, and don't load anything other than supported discs. Doing so may damage your discs or DV-CP706.

## Loading & Removing Discs

DVD CD MP3 WMA JPEG

This section explains how to load and remove discs.

1



**Press the OPEN/CLOSE [▲] button.**

The disc tray opens and the six disc number indicators appear on the display. A circle appears around the number of the disc bay on the right.

Remote controller

OPEN/CLOSE



2

**Place a disc, label side up, into each bay.**

3

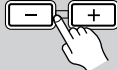


**Press the [DISC SKIP] button to access the other disc bays.**

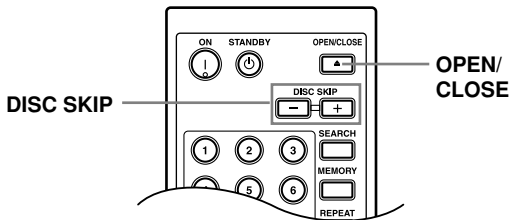
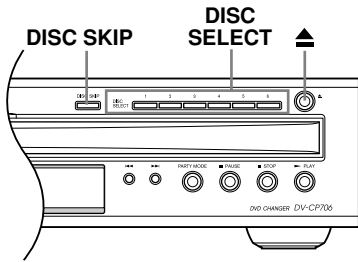
The disc tray turns counterclockwise two bays at a time.

Remote controller

DISC SKIP



Press the remote controller's DISC SKIP [+] button to turn the disc tray counterclockwise. Press the DISC SKIP [-] button to turn it clockwise.



## Loading Discs During Playback

DVD CD MP3 WMA JPEG

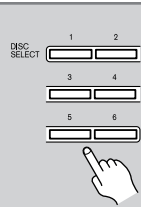
This section explains how to load and remove discs without stopping playback.

<p><b>1</b></p> <p>Remote controller OPEN/CLOSE</p>	<p><b>Press the OPEN/CLOSE [▲] button.</b></p> <p>The disc tray opens.</p> <p>The disc that's currently playing remains inside the DV-CP706 and its disc bay is empty and won't come to the front. To remove this disc you must stop playback before pressing the OPEN/CLOSE [▲] button.</p>
<p><b>2</b></p> <p>Remote controller DISC SKIP</p>	<p><b>Load or remove discs as required, and press the [DISC SKIP] button to access the other disc bays.</b></p>
<p><b>3</b></p> <p>Remote controller OPEN/CLOSE</p>	<p><b>When you've finished, press the OPEN/CLOSE [▲] button again.</b></p> <p>The disc tray closes.</p> <p>Playback of the current disc continues uninterrupted until you either stop playback or select another disc.</p> <p><b>Tip:</b> If you press one of the DISC SELECT 1–6 buttons, the disc tray will close, playback of the current disc will stop, and playback of the newly selected disc will start automatically.</p>

## Selecting Discs

DVD CD MP3 WMA JPEG

The section explains how to select loaded discs.



**Use the DISC SELECT buttons to select loaded discs.**

On the display, the number of the current disc has a circle around it.

What happens next depends on the type of disc you selected, as follows:

### DVD-Video:

Typically a menu appears on-screen. See page 28.

### Audio CD:

Playback starts automatically.

### MP3/WMA/JPEG:

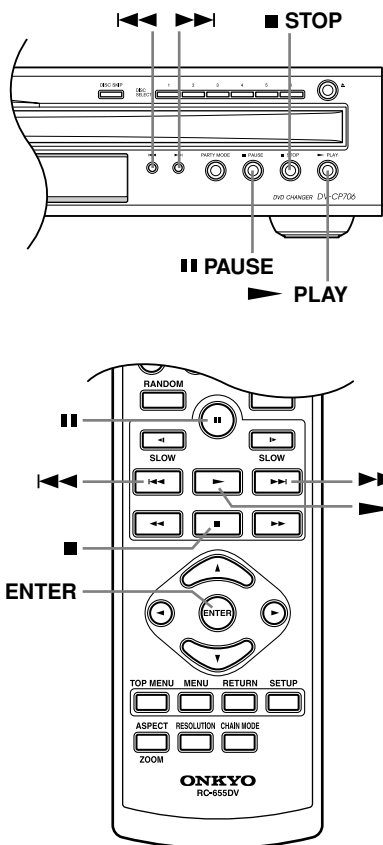
Playback starts automatically.

### Note:

- Disc contains different types of file does not start playback automatically.

### Notes:

- The type of disc currently selected is shown on the display: DVD, or CD (see page 13).
- You can select discs while the DV-CP706 is stopped or during playback.
- You can use the [DISC SKIP] button to skip the current disc and start the next disc. If disc #6 is the current disc, disc #1 will be selected next.



## Starting, Pausing & Stopping Playback



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

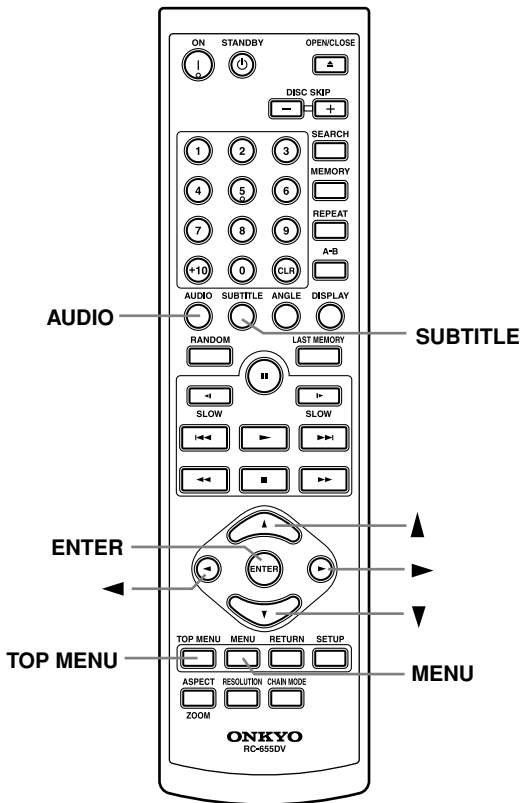
<p><b>Start</b></p> <p>Remote controller</p>	<p><b>To start playback, press the Play [▶] button.</b></p> <p>Playback starts and the Play ▶ indicator appears on the display.</p> <p>If the disc is a DVD-Video, you may need to start playback from a menu (see page 28).</p>
--	--

<p><b>Pause</b></p> <p>Remote controller</p>	<p><b>To pause playback, press the Pause [⏸] button.</b></p> <p>Playback pauses and the Pause ■■ indicator appears on the display.</p> <p>To resume playback, press the Play [▶] button.</p> <p>Playback resumes and the Pause ■■ indicator disappears.</p>
<p><b>Stop</b></p> <p>Remote controller</p>	<p><b>To stop playback, press the Stop [■] button.</b></p> <p>Playback stops and the Play ▶ indicator disappears.</p>

### Notes:

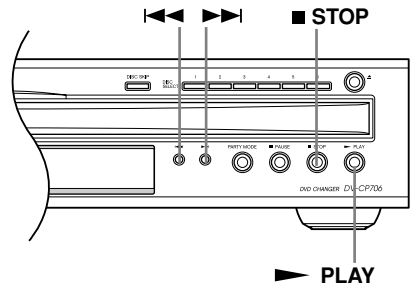
- During playback, you can select chapters or tracks by using the Next [▶▶] and Previous [◀◀] buttons.
- When you stop playback of a DVD-Video disc, the DV-CP706 remembers the point at which playback was stopped. To resume playback from that point, press the Play [▶] button. To cancel the Resume function, press the Stop [■] button again. The Resume function is reset when another disc is selected.
- With the Last Memory function you can resume playback from a specific point even if the disc has been removed (see page 39).
- Do not move the DV-CP706 or subject it to vibration during playback. Doing so may damage your discs or DV-CP706.
- 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. Your DV-CP706 features a screen saver to protect your TV from the effects of burn-in (see page 47).

With some DVD-Video discs, you may experience picture noise that is not normally visible with regular TV broadcasts. This is usually because DVD-Video discs 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 your TV's sharpness control.



### Notes:

- Not all DVD-Video discs have menus.
- Menu operation varies from disc-to-disc. See the disc's sleeve notes for details.
- On some DVD-Video discs, options such as foreign language soundtracks, subtitles, and audio formats appear on a separate menu called the *disc menu*, and titles and chapters appear on what's called the *title menu*. To display the disc menu, press the [MENU] button. If no menu appears, press the [TOP MENU] button.
- With DVD-Video discs, foreign language soundtracks and audio formats can usually be selected during playback by using the remote controller's [AUDIO] button (see page 40). Similarly, subtitles can be selected by using the remote controller's [SUBTITLE] button (see page 40).



## Navigating Disc Menus



DVD-Video discs usually have an on-screen menu from which you can select titles, chapters, and other options, including foreign language soundtracks, subtitles, and audio formats (e.g., Dolby Digital or DTS).

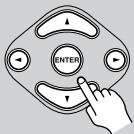
### 1 Load and select a DVD-Video disc.

See page 25 and page 26.

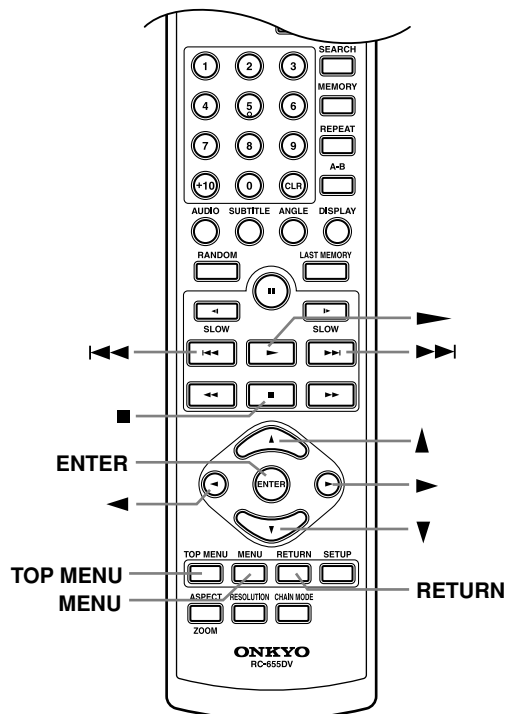
With DVD-Video discs, a menu usually appears automatically. If it doesn't, try pressing the [TOP MENU] button.

### 2 Use the remote controller's navigation [▲], [▼], [◀], [▶] buttons to select items on the menu, and use the [ENTER] button to confirm your selection.

Remote controller



If you select a playback option (e.g., subtitles), another menu of options will typically appear, in which case you use the remote controller's navigation buttons to select items and the [ENTER] button to confirm your choice.



## Using the Disc Navigation Window



On the disc navigation window, you can select CD tracks or MP3, WMA, or JPEG files.

**1**

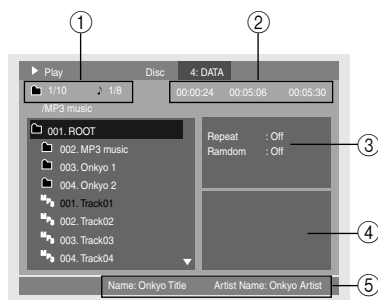
### Load and select an audio CD or MP3, WMA, or JPEG disc.

See page 25 and page 26.

The disc navigation window appears. It may take a while to read the contents of discs that contain many files and folders.

For JPEG discs, press the [MENU] button to open the disc navigation window.

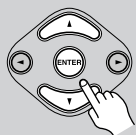
This is the display for an MP3 disc.



- ① Folder number and file number.
- ② Elapsed time, remaining time, and total time of currently playing song. (Only elapsed time is shown for WMA files.) (See also page 42.)
- ③ Repeat function and Random function status.
- ④ For JPEG files, a preview and the file size are displayed here.
- ⑤ Information about the song currently playing (e.g., song title, artist name, album name) is displayed here, if available.

**2**

### Remote controller



Press the Play [▶] button to start playback. Press the Stop [■] button to stop playback. Press the Pause [⏸] button to pause playback and the Play [▶] button to resume it.

### For audio CDs:

Use the Up/Down [▲]/[▼] buttons to select a track, and press the Play [▶] button (or [ENTER]) to start playback.

You can select the next or previous track during playback by using the Next [▶▶] and Previous [◀◀] buttons.

Press the Previous [◀◀] button to restart the current track. Press it again to select earlier tracks.

Alternatively, the number button is used to select a track.

### For MP3, WMA, and JPEG discs:

To open a folder, use the remote controller's Up/Down [▲]/[▼] buttons to select it, and then press [ENTER].

Use the Up/Down [▲]/[▼] buttons to select tracks in the open folder.

You can select the next or previous track during playback by using the Next [▶▶] and Previous [◀◀] buttons.

Press the Previous [◀◀] button to restart the current track. Press it again to select earlier tracks.

Use the Left/Right [◀]/[▶] buttons to select other folders.

To close a folder (i.e., move back up the directory tree), press the [RETURN] button.

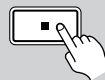
When all the tracks in that folder have been played, tracks in the next folder are played.

If the disc contains MP3/WMA files and JPEG files, they are played/displayed in order. JPEG files will be displayed in a slideshow. Press the [TOP MENU] button to display the first nine pictures at thumbnail-size (see page 34). Depending on the disc, the first nine pictures may be displayed automatically.

**3**



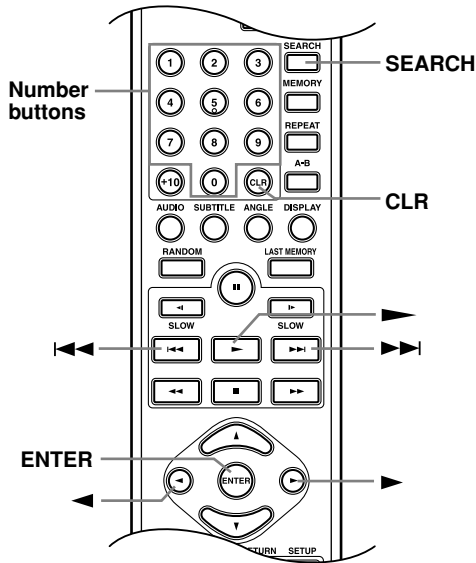
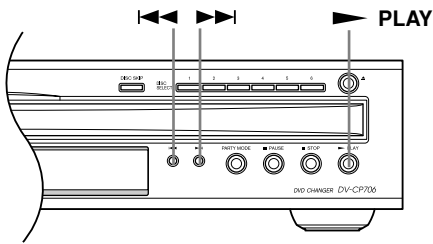
Remote controller



Press the Stop [■] button to stop playback.

### Notes:

- You can use the Random Playback function to play a random selection of MP3/WMA files (page 37).
- During random playback, memory playback, or party mode playback, the remote controller's navigation [▲], [▼], [◀], [▶] buttons, OPEN/CLOSE [▲] button, and DISC SKIP [+]/[-] buttons cannot be used with the disc navigation window.
- Depending on their size and format, some JPEG files cannot be displayed.



## Selecting Titles, Chapters & Tracks by Number

DVD CD MP3 WMA

This section explains how to select titles, chapters, and tracks by number.

**1** **Load and select a disc.**  
See page 25 and page 26.

**2** **Press the [SEARCH] button.**  
The Search window appears on-screen, as shown.  
This is the display for a DVD-Video disc.

Step						Disc 1: DVD					
Search											
Disc		Title		Chapter		Disc		Title		Chapter	
1: DVD-VIDEO	Current/Total	2/ 3	Current/Total	4/ 22							

With some DVD-Video discs, you can select only titles, and the Chapter Current/Total information is not displayed. Some discs won't allow you to select titles.

For audio CDs, you can select tracks.  
For MP3 and WMA discs, you can select tracks and folders.

**3** **Use the number buttons to specify a chapter or title.**  
To enter, for example, "2," press the [2] button.

**Remote controller**

Step						Disc 1: DVD					
Search											
Disc		Title		Chapter		Disc		Title		Chapter	
1: DVD-VIDEO	Current/Total	2/ 3	Current/Total	2/ 22							

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

Step						Disc 1: DVD					
Search											
Disc		Title		Chapter		Disc		Title		Chapter	
1: DVD-VIDEO	Current/Total	2/ 3	Current/Total	12/ 22							

To clear the number, press the [CLR] button.

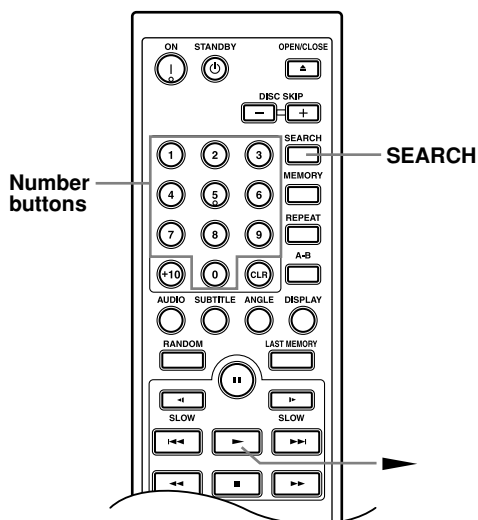
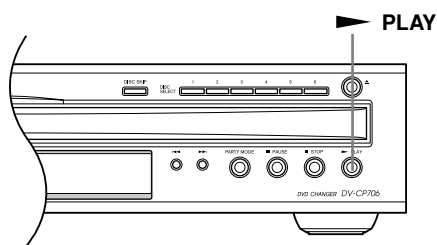
Use the Left/Right [◀]/[▶] buttons to toggle between Title and Chapter or Folder and Track.

**4** **Press the Play [▶] or [ENTER] button to start playback of the specified chapter or title.**  
During playback, you can select other chapters by using the Next [▶▶] and Previous [◀◀] buttons.

**Remote controller**

### Notes:

- You can also select chapters by using the number buttons, without opening the Search window.
- If the current DVD-Video disc contains only one title, you won't be able to select other titles. Similarly, if it contains no chapters, you won't be able to select chapters.
- DVD-Video discs usually have on-screen menus for selecting titles and chapters (see page 28).
- With some discs you may not be able to select titles and chapters as described here.



## Locating Specific Points in Time

DVD CD

With the Time Search function you can locate specific points in time.

**1**

Remote controller



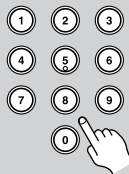
**Press the [SEARCH] button twice.**

The Search window appears on-screen, as shown.

Search	
Disc	Title
1: DVD-VIDEO	-- : -- : --

**2**

Remote controller



**Use the number buttons to enter a time.**

To enter, for example, 1 hour, 25 minutes, 30 seconds, press the [1], [2], [5], [3], and [0] buttons.

Search	
Disc	Title
1: DVD-VIDEO	1 : 25 : 30

To enter, for example, 2 minutes, 15 seconds, press the [2], [1], and [5] buttons.

Search	
Disc	Title
1: DVD-VIDEO	0 : 02 : 15

**3**



Remote controller

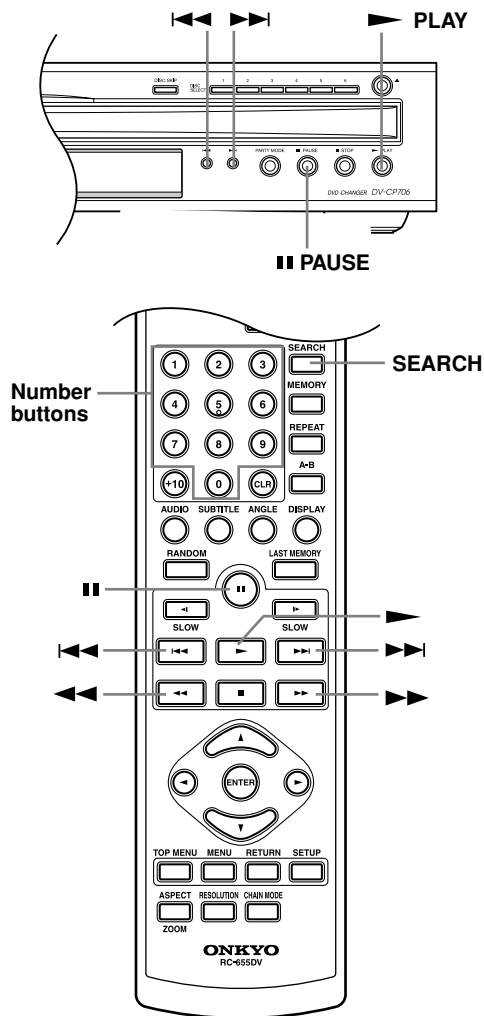


**Press the Play [▶] button to locate the specified point.**

Playback starts from the specified point.

### Notes:

- The Time Search function works only within the currently playing title (DVD-Video) or track (audio CD). For example, if the current title is one hour long and you enter the time 1 hour, 30 minutes, nothing will happen.
- In some cases, playback may start from a slightly different point to the one you specified.
- Time Search may not work with some discs.
- You can't use the [SEARCH] button during random playback, memory playback, or party mode playback.



**Fast reverse**

During playback, press the Fast Reverse [◀◀] button to start fast reverse.

Playback reverses and “x 2” appears on-screen.

To change the fast-reverse speed, press the Fast Reverse [◀◀] button repeatedly to select: x 2, x 4, x 8, or x 16.

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

**Note:**

- No sound is output during fast forward or fast reverse of a DVD-Video, MP3, or WMA disc.

## Frame-by-Frame Playback

With the Frame-by-Frame Playback function, you can forward playback one frame at a time.

- 1**

Press the Pause [||] button to pause playback, and then press the Pause [||] button repeatedly to forward playback one frame at a time.
- 2**

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

## Fast Forward & Reverse

The section explains how to fast forward and reverse.

**Fast forward**

During playback, press the Fast Forward [▶▶] button to start fast forward.

Playback fast forwards and “x 2” appears on-screen.

To change the fast-forward speed, press the Fast Forward [▶▶] button repeatedly to select: x 2, x 4, x 8, or x 16.

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

**Notes:**




- No sound is output during frame-by-frame playback.
- 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 display the same frame for too long. Your DV-CP706 features a screen saver to protect your TV from the effects of burn-in (page 47).



### Slow-motion Playback

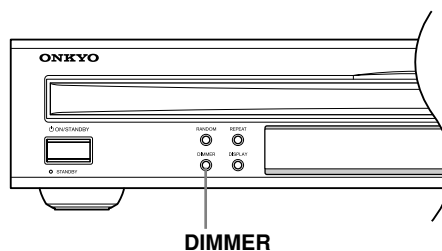


With the Slow-motion Playback function you can watch a scene slowly either forward or backward.

<p><b>■ Forward slow motion</b></p> <p>Remote controller</p> 	<p><b>During playback, press the SLOW [▶] button.</b></p> <p>Forward slow-motion playback starts and “▶ 1/2” appears on-screen.</p> <p>To change the slow-motion speed, press the SLOW Forward [▶] button repeatedly to select: 1/2, 1/4, 1/6, or 1/8.</p>
<p><b>■ Backward slow motion</b></p> <p>Remote controller</p> 	<p><b>During playback, press the SLOW [◀] button.</b></p> <p>Backward slow-motion playback starts and “◀ 1/2” appears on-screen.</p> <p>To change the slow-motion speed, press the SLOW Back [◀] button repeatedly to select: 1/2, 1/4, 1/6, or 1/8.</p>
<p><b>■ Resume playback</b></p> <p>Remote controller</p> 	<p><b>To resume normal playback, press the Play [▶] button.</b></p>


#### Notes:

- No sound is output during slow-motion playback.
- The slow-motion speed indication is only approximate, and the actual speed will vary from disc to disc.



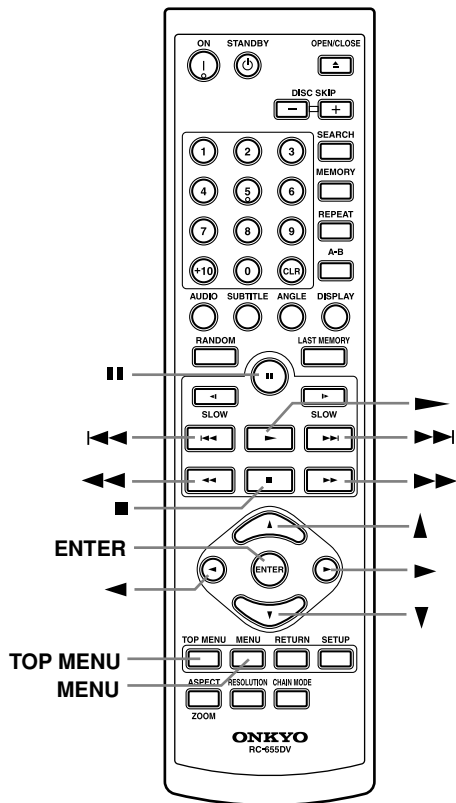
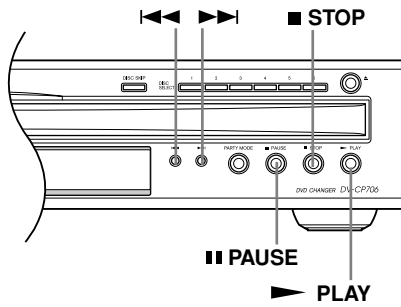
### Adjusting the Display Brightness

You can adjust the brightness of the display as follows.

<p><b>1</b></p> 	<p><b>Press the [DIMMER] button repeatedly to cycle through the following options:</b></p> <p>Disc tray light off + normal brightness</p> <p>Disc tray light off + dim</p> <p>Disc tray light off + dimmer</p> <p>Disc tray light on + normal brightness</p>
---	--

#### Notes:

- When the display brightness on another Onkyo AV component connected via **RI** is changed, the “disc tray light off” option might not work.
- Even if you selected the “disc tray light off” option, the disc tray light will come on when the disc tray is opened.
- The display brightness cannot be adjusted via RIHD.



### Using JPEG CDs

The DV-CP706 supports JPEG CDs, so you can view your photos on TV either individually or as a slideshow.

#### 1 Load and select a CD containing JPEG pictures.

Use the [◀], [▶], [▲], [▼] buttons to select a picture, and then press the Play [▶] or [ENTER] button to start the slideshow.

#### 2

#### You can use the following functions during the slideshow:

To display the next or previous picture, use the Next [▶▶] and Previous [◀◀] buttons.

To turn a picture upside down, use the Up/Down [▲]/[▼] buttons (not while zoomed in).

To rotate a picture clockwise or counterclockwise, use the Left/Right [◀]/[▶] buttons (not while zoomed in).

To pause the slideshow, press the [⏏] button. Press the Play [▶] button to resume.

To zoom in or out, use the Fast Forward [▶▶] and Fast Reverse [◀◀] buttons.

Use the Left/Right [◀]/[▶] and Up/Down [▲]/[▼] buttons to move around the picture while zoomed in. To cancel the zoom, press the Play [▶] button.

To return to the navigation window, press the [MENU] button.

To view the thumbnail display, press the [TOP MENU] button.

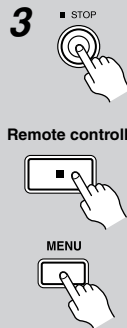
Use the Next [▶▶] and Previous [◀◀] buttons to display the next or previous thumbnail page.

#### 3

#### To stop the slideshow, press the Stop [■] or [MENU] button.

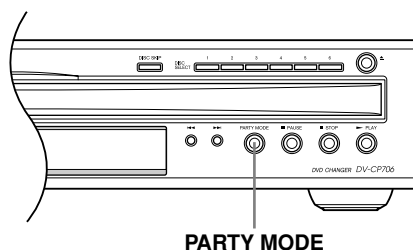
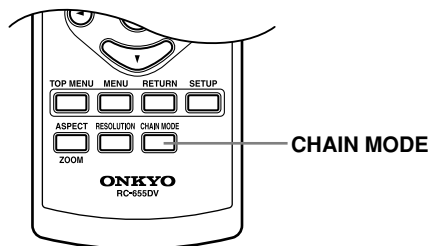
Depending on the type of JPEG disc, either the first nine pictures appear in thumbnail-size or the disc navigation window appears.

The slideshow stops automatically when all pictures have been displayed.



#### Notes:

- You can view JPEG images in high definition by changing the HD JPEG mode setting (see page 45).
- The Memory and Random functions cannot be used with JPEG files.
- Chain mode cannot be used with JPEG files.
- The Zoom function cannot be used in HD JPEG mode.



## Using Chain Mode

DVD CD MP3 WMA

With the Chain mode function, you can play all discs, all DVD-Video discs, or all audio CDs and MP3/WMA discs consecutively as if they were one big disc.

**1**

Remote controller



**Press the [CHAIN MODE] button repeatedly to select CD, DVD, or ALL.**

The CHAIN MODE indicator flashes on the display.

**ALL:**

All discs are played consecutively.

**DVD:**

All DVD-Video discs are played consecutively.

**CD:**

All audio CDs, including MP3 and WMA discs, are played consecutively.

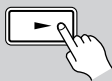
To cancel Chain mode, press the [CHAIN MODE] button repeatedly until the CHAIN MODE indicator disappears.

**2**

PLAY



Remote controller



**While the CHAIN MODE indicator is flashing, press the Play [▶] button to start Chain mode playback.**

The Chain mode function will be cancelled if you do not start playback within 5 seconds of pressing the [CHAIN MODE] button.

## Using Party Mode

CD MP3 WMA

With the Party mode function, you can play all of the audio CDs and MP3/WMA discs in random order.

PARTY MODE



**Press the [PARTY MODE] button.**

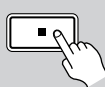
The CHAIN MODE and CD indicators appear.

All loaded audio discs, including MP3 and WMA discs, are played in random order.



Press the Stop [■] button to stop Party mode playback and cancel the Party mode function.

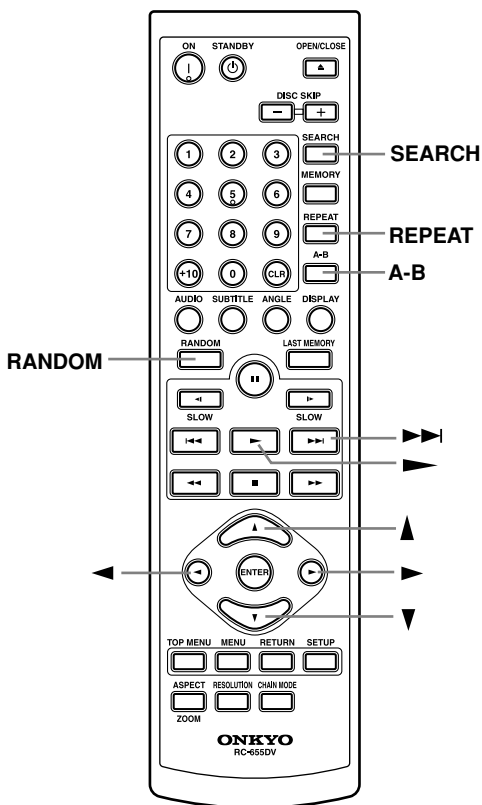
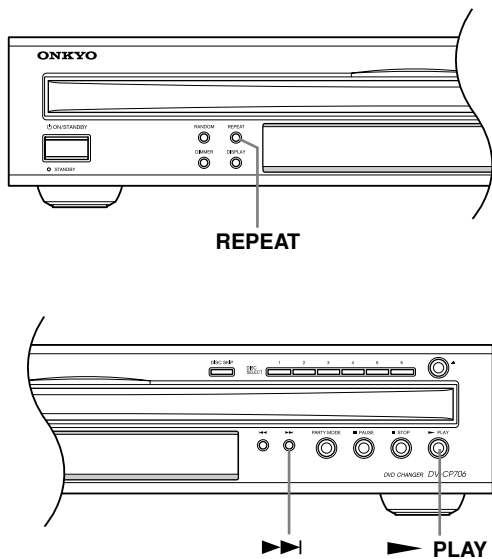
Remote controller



### Note:

- JPEG files are skipped during Chain mode playback.
- With the DVD and All Chain modes, DVD-Video menus are ignored and titles are played automatically. This may not work with some discs.
- You can't use the repeat functions with Chain mode.
- You can use the Random function with Chain mode.




# Advanced Playback



## Repeat Playback

DVD CD MP3 WMA JPEG

With the Repeat Playback function you can play the current disc, title, chapter, track, or folder of MP3/WMA files over-and-over again.

<p><b>1</b> Remote controller</p> 	<p><b>Press the Play [▶] button to start repeat playback.</b></p>
<p><b>2</b> Remote controller</p> 	<p><b>Press the [REPEAT] button repeatedly to select a repeat option.</b></p> <p>The currently selected repeat option appears on-screen and “REPEAT” appears on the display.</p> <p>The available options depend on the current disc type, as follows:</p> <p><b>DVD-Video:</b> Chapter, Title, 1 Disc, All Discs.</p> <p><b>Audio CD:</b> Track, 1 Disc, All Discs.</p> <p><b>MP3/WMA/JPEG:</b> Track, Folder, 1 Disc, All Discs.</p>
<p><b>3</b> Remote controller</p> 	<p><b>To cancel Repeat Playback, use the [REPEAT] button to select Off.</b></p>




### Notes:

- Repeat Playback may not work with some DVD-Video discs.
- If you press the [REPEAT] button while the Memory Playback function is on (see page 38), the current memory list will play repeatedly.
- The Repeat function cannot be used with Chain mode or Party mode.
- If you select another disc, repeat playback is cancelled.
- The Repeat function can be used in combination with the Random function (see page 37).

### A–B Repeat Playback

DVD CD MP3 WMA

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

<p><b>1</b></p> <p>Remote controller</p> 	<p><b>During playback, press the [A–B] button to set the A point (i.e., the start of the section you want to repeat).</b></p> <p>“Repeat A–” appears on-screen.</p>
<p><b>2</b></p> <p>Remote controller</p> 	<p><b>Press the [A–B] button again to set the B point (i.e., the end of the section you want to repeat).</b></p> <p>Playback repeats between the A and B points, and “Repeat A–B” appears on-screen.</p>
<p><b>3</b></p> <p>Remote controller</p> 	<p><b>To cancel A–B Repeat Playback, press the [A–B] button to select Off.</b></p>


#### Notes:

- A–B Repeat Playback may not work with some DVD-Video discs.
- In some cases, the A and B points may be at slightly different points to the ones you specified.

### Random Playback

DVD CD MP3 WMA

With the Random Playback function you can enjoy a random selection of discs, titles, chapters, tracks, or MP3/WMA folders.

<p><b>1</b></p>	<p><b>Select a disc.</b></p> <p>See page 26.</p>
<p><b>2</b></p> <p>Remote controller</p> 	<p><b>Press the [RANDOM] button repeatedly to select a random option.</b></p> <p>The currently selected random option appears on-screen.</p> <p>The available options depend on the current disc type, as follows:</p> <p><b>DVD-Video:</b></p> <p>Title, 1 Disc, All Discs.</p>

#### Audio CD:


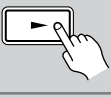

1 Disc, All Discs.

#### MP3/WMA:

Folder (files in subfolders are not played), 1 Disc, All Discs.

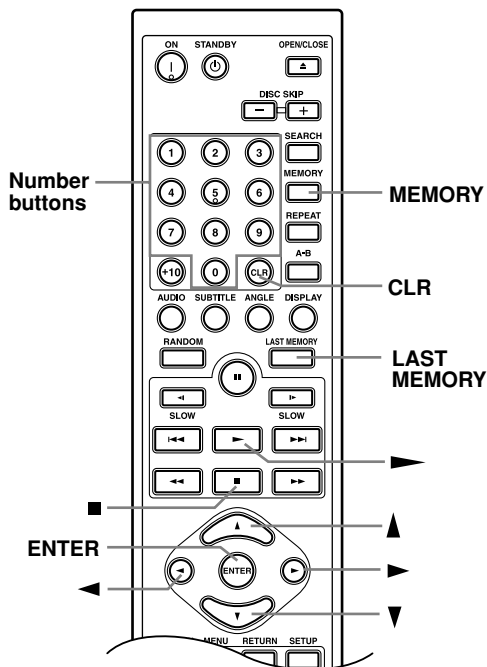
With the “Title” option, chapters within the current title are played at random. With the “1 Disc” option, all titles, chapters, tracks, and folders on the current disc are played at random.

If you press the [RANDOM] button during playback, random playback begins after the current chapter, or track has finished.

<p><b>3</b></p>  <p>Remote controller</p> 	<p><b>Press the Play [▶] button to start random playback.</b></p> <p>Random playback starts.</p>
<p><b>4</b></p> <p>Remote controller</p> 	<p><b>To cancel random playback, use the [RANDOM] button to select Off.</b></p>

#### Notes:

- To select the next random disc, title, chapter, track, or MP3/WMA folder during random playback, press the Next [▶▶] button.
- Random playback may not work with some DVD-Video discs.
- Random playback cannot be used with the Memory Playback function.
- You can't use the [SEARCH] button during random playback.
- During random playback, the remote controller's navigation [▲], [▼], [◀], [▶] buttons and number buttons cannot be used with the disc navigation window.
- If you select another disc, random playback is cancelled, except when the random option is set to “All Disc,” in which case playback continues.
- The Random Playback function can be combined with the Repeat Playback function.



## Memory Playback

DVD CD MP3 WMA

With the Memory Playback function, you can create your own memory list of up to 32 titles, chapters, or tracks.

**1**

Remote controller



**Press the [MEMORY] button.**

The Memory List window appears on-screen, as shown.

Memory List			
No.	Disc	Title/Folder	Chapter/Track
▶	1	Chapter/Track 001 / 002	Current/Total --- / 008
01	-	--- / ---	--- / ---
02	-	--- / ---	--- / ---
03	-	--- / ---	--- / ---
04	-	--- / ---	--- / ---
05	-	--- / ---	--- / ---

The top row (▶) is used to enter disc, title/folder, and chapter/track numbers. Steps in the memory list are numbered.

**2**

Remote controller



**Enter the disc, title/folder, and chapter/track numbers of the item you want to add to the memory list.**

Use the remote controller's Left/Right [◀]/[▶] buttons to select the parameters, and use the number buttons to select Title/Folder or Chapter/Track. The number of the currently selected disc is already entered.

To add all of the titles, folders, chapters, or tracks on the disc, press the [+10] button.

**3**

Remote controller



**Press the [ENTER] button.**

The new item is added to the memory list as step 01.

Memory List			
No.	Disc	Title/Folder	Chapter/Track
▶	1	Chapter/Track 001 / 002	Current/Total --- / 008
01	1	001 / 002	005 / 008
02	-	--- / ---	--- / ---
03	-	--- / ---	--- / ---
04	-	--- / ---	--- / ---
05	-	--- / ---	--- / ---

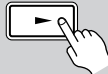
**4**

**Repeat steps 2 and 3 to add more items to the memory list.**

New items will be added to the memory list as steps 02, 03, and so on.

**5**

Remote controller



**To play the memory list, press the Play [▶] button.**

**6**

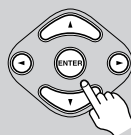
Remote controller



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

## Inserting New Items in the List

Remote controller



**To insert a new item into the memory list, use the Up/Down [▲]/[▼] buttons to select the step before which you want to insert the new item, and then press the [ENTER] button.**

Memory List			
No.	Disc	Title/Folder	Chapter/Track
▶	1	Chapter/Track 001 / 002	Current/Total --- / 008
01	1	001 / 002	005 / 008
02	-	--- / ---	--- / ---
03	1	001 / 002	003 / 008
04	3	001 / ---	--- / 008
05	-	--- / ---	--- / ---

Remote controller




**Enter the disc, title/folder, and chapter/track numbers of the item to be inserted. Press the [ENTER] button.**

The new item is inserted into the memory list and subsequent items move down the list.

### Deleting Items from the List

**Remote controller**




**To delete an item, use the Up/Down [▲]/[▼] buttons to select it, and then press the [CLR] button.**

The item is deleted and subsequent items move up the list.

### Editing Steps

**1**


**Remote controller**



**To edit a step, use the Up/Down [▲]/[▼] buttons to select it, edit the disc, title/folder, and chapter/track numbers, and then press the [ENTER] button.**

**2**

**Remote controller**



**To close the Memory Play Setup window, press the [RETURN] button.**

- **Deleting the memory list:**

Press the Stop button to stop playback of the memory list, and while “Memory” is displayed on-screen, press the [CLR] button. The memory list is deleted and “Memory Clear” is displayed on-screen.

**Note:**

- The entire memory list is cleared when the DV-CP706 is set to Standby.


### Using Last Memory



With the Last Memory function you can resume playback from where you left off even if another disc has been selected or the disc has been removed. Last Memory also remembers the soundtrack and subtitle languages that you were using.

**1**

**Remote controller**




**During playback, press the [LAST MEMORY] button.**

The last memory point for the disc is stored, the LAST indicator appears, and “LAST MEM” appears on the display.

If the [LAST MEMORY] button is pressed again, the last memory point will be updated.

**2**

**Remote controller**




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

**At this point you may choose to play another disc, or to turn off the DV-CP706.**

**3**

**Remote controller**



**To resume playback, select the disc and press the Play [▶] button.**


The Last Memory dialog box appears, as shown.

Last Memory is set.  
Start playback from memory location ?

Yes No Memory Clear

**4**

**Remote controller**



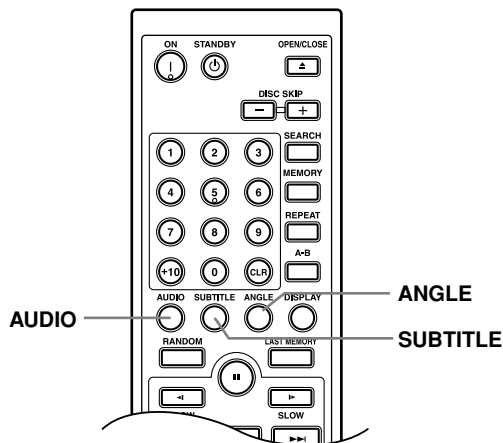
**To resume playback from last memory point, select “Yes,” and then press [ENTER].**

To start playback from the beginning, select “No,” and then press [ENTER].

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 settings for up to six DVD-Video discs. When you set the Last Memory function for a seventh disc, the first disc’s settings are lost.
- The Last Memory function will not work while a menu is being displayed on-screen.
- The Last Memory function may not work with some DVD-Video discs.
- Even if you select another disc, or inadvertently turn off the DV-CP706 during playback, you can resume playback from the same point when you select the disc again.



### Selecting Camera Angles



Some DVD-Video discs feature multiple camera angles that allows you to view scenes from different angles. If the currently playing DVD-Video disc features multiple camera angles, the camera  indicator appears on the display. Such a disc usually has the multiple camera angle logo () printed on its sleeve notes.


Remote controller



**Press the [ANGLE] button repeatedly to cycle through the available camera angles.**

The number of the currently selected camera angle appears on-screen. For example, on a disc with three camera angles, you'd see 1/3, 2/3, and 3/3.

#### Notes:

- With some DVD-Video discs you may not be able to select different camera angles even though the camera  indicator is displayed.
- With some DVD-Video discs you can select camera angles from a menu.
- Some DVD-Video discs won't allow you to select different camera angles while playback is paused.

### Selecting Languages & Audio Formats



Some DVD-Video discs feature soundtracks in several languages and audio formats (e.g., Dolby Digital or DTS). Music DVD-Video discs sometimes feature soundtracks in several audio formats, such as PCM or Dolby Digital 5.1. See the disc's sleeve notes for details.

Remote controller



**During playback, press the [AUDIO] button repeatedly to cycle through the available soundtracks.**

The name of the selected soundtrack appears on-screen for several seconds.

#### Notes:

- With DVD-Video discs, when you stop playback and cancel the Resume function (see page 27), or select another disc, the soundtrack language will revert to your default language (see page 47), or the disc's default language.
- With some discs, selecting another soundtrack may cause the picture to skip momentarily.
- With some DVD-Video discs you need to select soundtracks from a menu, and you may not be able to select other soundtracks during playback.

### Selecting Subtitles



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

Remote controller



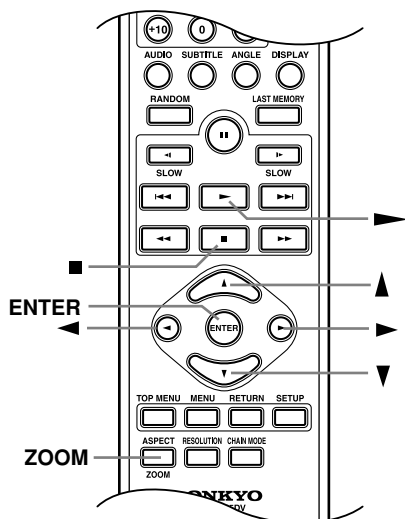
**During playback, press the [SUBTITLE] button repeatedly to cycle through the available subtitles.**

The name of the selected subtitle appears on-screen for several seconds. To turn off subtitles, use the [SUBTITLE] button to select Off.

#### Notes:

- With DVD-Video discs, when you stop playback and cancel the Resume function (see page 27), or select another disc, the subtitle language will revert to your default subtitle language (see page 47), or the disc's default subtitle language.
- With some DVD-Video discs you can select subtitles from a menu, and you may not be able to select subtitles during playback.
- To check the subtitle language currently selected, press the [SUBTITLE] button once. The current setting will appear on-screen for several seconds.








## Zooming

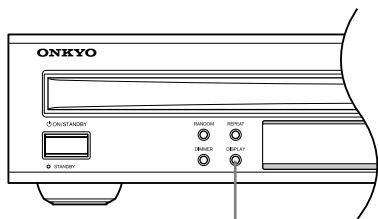


With the Zoom function you can enlarge any part of the picture.

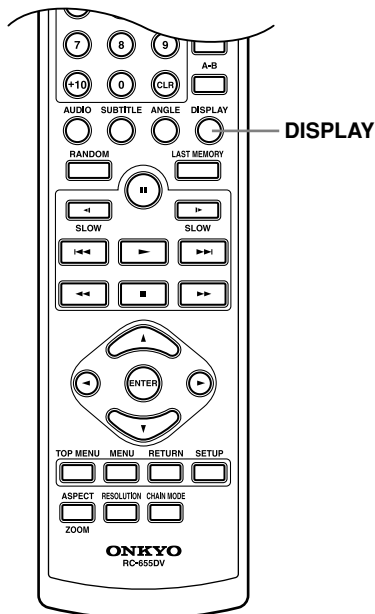
<p><b>1</b> Remote controller</p> 	<p><b>During playback or paused, press and hold the [ZOOM] button.</b></p> <p>“Zoom x 1.0” appears on-screen.</p>
<p><b>2</b> Remote controller</p> 	<p><b>Press the [ZOOM] again repeatedly to Zoom in.</b></p> <p>The number of zoom steps available depends on the resolution of the disc or file.</p> <p>After the maximum zoom, the picture returns to its normal size.</p>
<p><b>3</b> Remote controller</p> 	<p><b>To see other areas of the picture while zoomed, use the remote controller's arrow [▲], [▼], [◀], [▶] buttons.</b></p>

### Notes:

- During a JPEG slideshow, you can use the Fast Forward [▶▶] and Fast Reverse [◀◀] buttons to zoom in and out.
- The Zoom function may not work with some DVDs.
- The Zoom function can also be used while playback is paused or during slow-motion playback.
- The Zoom function cannot be used with HD JPEG.



DISPLAY



DISPLAY

## 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 [DISPLAY] button.**

Various information appears on-screen. The operating status (e.g., Stop, Play, Resume), disc number, and disc type information is displayed along the top of the screen.

**DVD-Video:**

Current title number, total number of titles on disc, elapsed title time, remaining title time, total title time, selected soundtrack, selected subtitle, and the number of available camera angles.

**2**

DISPLAY



Remote controller

DISPLAY



**Press the [DISPLAY] button again to see more information.**

**DVD-Video:** Current chapter number, total number of chapters in title, elapsed chapter time, remaining chapter time, total chapter time.

**3**

DISPLAY



Remote controller

DISPLAY



**Press the [DISPLAY] button again to cancel the information display.**

### ■ For audio CDs:

Pressing the [DISPLAY] button repeatedly during playback will display the following information:

- Elapsed track time (on-screen, the elapsed track time and remaining track time will be displayed)
- Remaining track time
- Elapsed disc time (on-screen, the elapsed disc time and remaining disc time will be displayed)
- Remaining disc time

### ■ For MP3 and WMA discs:

Pressing the [DISPLAY] button repeatedly during playback will display the following information:







- Elapsed track time
- Track name
- Folder name
- Total number of folders

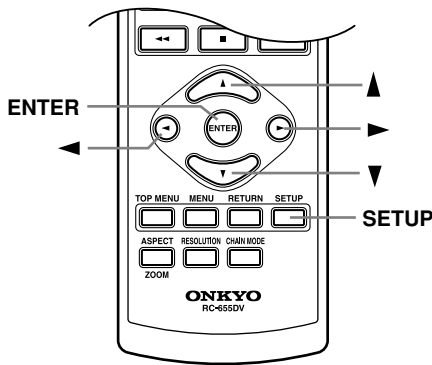
# Configuring the DV-CP706

This chapter explains the various functions and settings of the on-screen 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 #
<b>Picture</b> 	TV Shape	Select the aspect ratio that matches your TV.	44
	View Mode	Stretch the picture to fit your TV screen.	45
	HDMI Output Setting	Turn HDMI video output on or off.	45
	Progressive Setting	Set the component video output to progressive or interlaced.	45
	HD Resolution	Select the video resolution for the HDMI OUT.	45
	HD JPEG mode	For displaying JPEG images at a high resolution on a HDTV.	45
	Video Black Level	Choose a video black level.	46
	Brightness	Adjust the picture brightness.	46
	Sharpness	Adjust the picture sharpness.	46
	PAL Output Setting (Australian model only)	Convert the disc's video format.	46
<b>Audio</b> 	Digital/HDMI Audio Out	Settings for the digital signal output by the optical, coaxial, and HDMI digital audio outputs.	46
	Linear PCM Out	Select whether or not the DV-CP706 downsamples 96 kHz digital audio.	46
	Dynamic Range Control	Set the Dynamic Range function.	46
<b>Language</b> 	On-Screen Language	Select a language for the on-screen setup menus and messages.	47
	Disc Menu Language	Select your preferred language for disc menus.	47
	Audio Language	Select your preferred language for soundtracks.	47
	Subtitle Language	Select your preferred language for subtitles.	47
<b>Display</b> 	On-Screen Display	Turn on or off on-screen messages and indicators.	47
	On-Screen Display Color	Select a color for on-screen setup menus and messages.	47
	Background	Select a background color for when playback is stopped.	47
	Screen Saver	Set the Screen Saver function.	47
<b>Operation Setting</b> 	Parental Lock	Set the Parental Lock function.	48
	Security Code	Change a security code for use with parental lock.	48
	HDMI Control	Turn on or off RIHD control over HDMI.	49
	Power Control	Turn on or off RIHD power control over HDMI.	49
	Direct Change	Turn on or off RIHD direct change over HDMI.	49
	Auto Power Off	Sets the Auto power off function.	49
<b>Initial Setup</b> 	TV Shape	This menu appears automatically the very first time you turn on your DV-CP706. (These settings are available in other menus.)	23
	HDMI Output Setting		
	On-Screen Language		




## Using the On-screen Setup Menus


This section explains how to use the on-screen setup menus.


- 1** Turn on your DV-CP706 and TV. On your TV, select the video input to which the DV-CP706 is connected.
- 2** Press the [SETUP] button. The on-screen 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	: Light
Brightness	: 4
Sharpness	: 4
- 3** Use the remote controller's navigation buttons to navigate the menus. Use the Left/Right [◀]/[▶] buttons to move left or right. Use the Up/Down [▲]/[▼] buttons to move up or down.


- 4** When you've selected an item, press the [ENTER] button to see the available options.


- 5** Use the navigation buttons to select the options, and press the [ENTER] button to confirm your selection. Press the [RETURN] button to go back one step.



**6** When you've finished, press the [SETUP] button again. The on-screen 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. Some widescreen TVs have a setting to correct this. If your TV doesn't, and 4:3 programs appear stretched, select this option to correct the problem.



### 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 Mode 1:** The picture is stretched horizontally to make it fit the height of the screen.

**View Mode 2:** The picture is stretched vertically to make it fit the width of the screen.

**View Mode 3:** The picture is stretched horizontally and vertically to make it fit the screen.

#### 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 24 for more information.

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

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

### 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. See page 24 for more information.

**Interlaced:** Component video output is interlaced.

**Progressive:** Component video output is progressive.

#### Notes:

- When Progressive is selected, no video is output by the composite video, S-Video, and HDMI outputs.
- This setting can also be changed by pressing and holding the Previous [◀] button, and then pressing [ON/STANDBY] button.

### HD Resolution

---

With this setting you can set the video resolution for the HDMI OUT.

**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-CP706 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-CP706. 720 x 480i 60 Hz or 720 x 576i 50 Hz

**480p (480p/576p):** The setting displayed depends on the country in which you purchased the DV-CP706. 720 x 480p 60 Hz or 720 x 576p 50 Hz

**720p:** 1280 x 720p 50/60 Hz

**1080i:** 1920 x 1080i 50/60 Hz

**1080p:** 1920 x 1080p 50/60 Hz

#### Tip:

When the HDMI Output Setting is set to On, you can also change this setting by using the remote controller's [RESOLUTION] button (see page 24).

#### Note:

- If Auto selected but the DV-CP706 doesn't support the TV's native resolution, the resolution will be 480p/576p.

### 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 HD Resolution 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, on-screen status messages such as "Play" and "Stop" are not displayed.

### Video Black Level

---

With this setting you can adjust the picture blackness of analog video output.

**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 Australian model, 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 (Australian model only)

---

With this setting you can specify how the DV-CP706 outputs video signals.

**AUTO (default):** Use this option to watch PAL and NTSC format discs. The DV-CP706 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-CP706 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-CP706 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.

## Audio Menu

### Digital/HDMI Audio Out

---

With this setting you can configure the optical, coaxial, and HDMI digital outputs.

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

**PCM:** Dolby Digital signals are down mixed to 2 channels and output as PCM.

**Off:** No digital signals are output.

### Linear PCM Out

---

With this setting you can configure the DV-CP706 to output digital audio with higher sampling rates (e.g., 96 kHz) as it is or down sample it to 48 kHz.

If the AV component you connect to the DV-CP706's digital audio outputs supports 96 kHz digital audio, select Down Sample Off. Otherwise, select Down Sample On.

**Down Sample On:** 96 kHz digital audio is down sampled and output at 48 kHz.

**Down Sample Off (default):** 96 kHz digital audio is output as it is.

#### Notes:

- Some copy-protected DVD-Video discs may use 96 kHz digital audio only for A/D conversion to the analog audio outputs.
- With some discs, even if you select Down Sample Off, the digital audio will be down sampled to 48 kHz, and in some cases may not be output by the DV-CP706's 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.

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

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

#### 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-CP706 is set to Standby, this function is automatically set to off.

### Language Menu

#### On-Screen Language

---

With this setting you can select a language for the on-screen setup menus and messages. Select one of the displayed language.

#### 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 you can’t find your language displayed. See “Selecting Other Languages” on page 49.

#### 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 you can’t find your language displayed. See “Selecting Other Languages” on page 49.

#### 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 you can’t find your language. See “Selecting Other Languages” on page 49.

#### 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.

### Display Menu

#### On-Screen Display

---

With this setting you can turn on or off on-screen messages, such as “Play,” “Stop,” and “Resume.”

**On (default):** On-screen messages are displayed.

**Off:** On-screen 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-CP706 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 DVD-Video 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 the Play [▶] button.

#### Note:

- The Screen Saver function also works with audio CDs and MP3/WMA discs.









## Operating Setting Menu

### Parental Lock

With the Parental Lock function you can block access to certain scenes that the authors have flagged as being unsuitable for children.

To use parental lock, you must set a security code.

<b>1</b>	<b>Select “Operation Setting” menu in the setup.</b>
<b>2</b> Remote controller  ↓ 	<b>Use the navigation [◀]/[▶]/[▲]/[▼] buttons to select “Parental Lock”, and then press the [ENTER] button.</b> The security code input screen appears.
<b>3</b> Remote controller  ↓ 	<b>Enter the security code using the remote controller’s number buttons, and then press the [ENTER] button.</b> The default security code is “8888.” You can change the security code in the next step.
<b>4</b> Remote controller  ↓ 	<b>Use the Up/Down [▲]/[▼] buttons to change the level of parental lock, and then press the [ENTER] button.</b> At level 8 parental lock is off, with level 1 being the strictest level.







#### Notes:

- When entering a security code, you can use the [CLR] button to delete the numbers entered so far, if necessary.

- 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.

<b>1</b>	<b>Select “Operation Setting” menu in the setup.</b>
<b>2</b> Remote controller  ↓ 	<b>Use the navigation [◀]/[▶]/[▲]/[▼] buttons to select “Security Code”, and then press the [ENTER] button.</b> The security code input screen appears.
<b>3</b> Remote controller  ↓ 	<b>Enter the existing security code using the remote controller’s number buttons, and then press the [ENTER] button.</b> 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.
<b>4</b> Remote controller  ↓ 	<b>Enter the new security code using the remote controller’s number buttons, and then press the [ENTER] button.</b> 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.



## Configuring the DV-CP706—Continued

### 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.

### 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-CP706 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-CP706 consumes more power.
- When set to On, the DV-CP706 enters Standby mode and the STANDBY indicator lights up.

### 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-CP706, 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-CP706 after 20 minutes of inactivity.

### Initial Setup Menu

This menu appears automatically the very first time you turn on the DV-CP706. See "First Time Setup" on page 23 for more information.




### TV Shape—see page 44

### HDMI Output Setting—see page 45

### On-Screen Language—see page 47

### Selecting Other Languages

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

<b>1</b> Remote controller 	<b>Select "Others" from the Disc Menu Language, Audio Language, or Subtitle menu, and then press [ENTER].</b> The language code boxes appear.
<b>2</b> Remote controller 	<b>Use the remote controller's Left/Right [◀/▶] buttons to select the code boxes.</b> <b>Use the Up/Down [▲/▼] buttons to enter a language code.</b> See adjacent table for language codes.
<b>3</b> Remote controller 	<b>When you've finished, press the [ENTER] button.</b>

## Language Code List

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
Armenian	HY
Interlingua	IA
Interlingue	IE
Inupiak	IK
Indonesian	IN

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
Tagalog	TL
Setswana	TN
Tonga	TO
Turkish	TR
Tsonga	TS

Language	Code
Icelandic	IS
Hebrew	IW
Yiddish	JI
Javanese	JW
Georgian	KA
Kazakh	KK
Greenlandic	KL
Cambodian	KM
Kannada	KN
Kashmiri	KS
Kurdish	KU

Language	Code
Tatar	TT
Twi	TW
Ukrainian	UK
Urdu	UR
Uzbek	UZ
Vietnamese	VI
Volapük	VO
Wolof	WO
Xhosa	XH
Yoruba	YO
Zulu	ZU

# Troubleshooting

Symptom	Possible cause	Remedy	
<b>Can't turn on the DV-CP706?</b>	The power cord is not connected.	Connect the power cord to a suitable wall outlet.	
	External interference is affecting the DV-CP706's digital circuitry.	Turn off the DV-CP706, wait five seconds, then try turning it on again. If that fails, disconnect the power cord from the wall outlet, wait 10 seconds, reconnect it, then try turning it on again.	
<b>No picture?</b>	The wrong input source is selected on your TV.	On your TV, select the input to which the DV-CP706 is connected (page 23).	
	The video cable is not connected properly.	Check the video cable and correct as necessary (pages 19, 21).	
	On the Australian model, the PAL Output Setting is set incorrectly for the connected TV.	Change the PAL Output Setting to the correct setting for the TV.	
	<b>No HDMI Video Output?</b>		
	The HDMI Output Setting is set to Off.	Try pressing the [RESOLUTION] button on the remote controller repeatedly to switch the HDMI OUT on, and then pressing the [RESOLUTION] button repeatedly to get picture (page 24).	
	Your TV doesn't support HDMI Resolution settings of 480i, 720p, 1080i, and 1080p.		
	<b>No Component Video Output?</b>		
	Your TV does not support progressive scanning.	Press and hold down the Previous [◀◀] button, and then press the [ON/STANDBY] button to change the component video output to interlaced (page 45). Make sure the PRGV indicator is not on.	
	HD JPEG mode is on.	When HD JPEG mode is on, no video is output by the COMPONENT VIDEO OUT.	
	<b>No S-Video or Composite Video Output?</b>		
	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 45). Make sure the PRGV indicator is not on.	
Your TV is connected with S-video or composite video and HD JPEG mode is selected.	HD JPEG mode can only be used with the HDMI OUT.		
<b>No sound?</b>	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-CP706 is connected (page 20).	
	The audio cable is not connected properly.	Check the audio cable and correct as necessary (page 19–21).	
	The hi-fi amp or AV receiver connected to the DV-CP706's audio outputs is not on.	Turn on the hi-fi amp or AV receiver.	
	The Digital/HDMI Audio Out setting is incorrect.	Check the Digital/HDMI Audio Out setting and correct as necessary (page 46).	
	<b>No Sound from the HDMI OUT?</b>		
	The Digital/HDMI Audio Out setting is set to Off.	Change the Digital/HDMI Audio Out setting to either All or PCM (page 46).	
	The DVD player is connected to the DVI jack on your TV or AV receiver.	You won't hear any sound from the HDMI output if the source component is only DVI/HDCP-Compatible.	
	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 Digital.	Change the Digital/HDMI Audio Out setting to PCM (see "Audio Formats" on page 22).	
	Your TV or AV receiver doesn't support DTS.	The DV-CP706 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 (see "Audio Formats" on page 22).	
Your TV or AV receiver doesn't support 96 kHz PCM.	Change the Linear PCM Out setting to Down Sample On (page 46).		

## Troubleshooting—Continued

Symptom	Possible cause	Remedy
<b>No sound?</b>	<b>No Digital Audio Output?</b>	
	The Digital/HDMI Audio Out setting is set to Off.	Change the Digital/HDMI Audio Out setting to either All or PCM (page 46).
	Your TV or AV receiver doesn't support Dolby Digital.	Change the Digital/HDMI Audio Out setting to PCM (page 46).
	Your TV or AV receiver doesn't support DTS.	The DV-CP706 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/HDMI Audio Out setting is set to PCM.	When the Digital/HDMI Audio Out setting is set to PCM, DTS sources are not output by the digital audio outputs. Change the setting to ALL.
<b>The picture distorts occasionally?</b>	Your TV or AV receiver doesn't support 96 kHz PCM.	Change the Linear PCM Out setting to Down Sample On (page 46).
	The disc is dirty.	Remove the disc and clean it (page 10).
<b>Picture instability or noise?</b>	You're using the Fast Forward or Fast Reverse function.	A little picture distortion may occur when using these functions. This is normal.
	The DV-CP706 is connected to your TV via a VCR or other video equipment and its copy protection system is affecting the picture.	Connect the DV-CP706 directly to your TV (page 19).
<b>Can't start playback?</b>	No discs loaded.	Load some discs (page 25).
	The selected disc cannot be played because it's incompatible.	Load only compatible discs (page 8).
	The disc is upside down.	Load the disc the correct way up (page 25).
	The disc is not centered in the disc bay.	Place the disc in the center of the disc bay (page 25).
	The disc is dirty.	Remove the disc and clean it (page 10).
	The selected disc has parental lock and the Parental Lock function is on.	Turn off the Parental Lock function (page 48).
<b>Can play CDs but not DVDs?</b>	The Chain mode function is set to play only CDs.	Change the Chain mode setting or cancel Chain mode (page 35).
<b>Can play DVDs but not CDs?</b>	The Chain mode function is set to play only DVDs.	Change the Chain mode setting or cancel Chain mode (page 35).
<b>Can't play MP3/WMA/JPEG discs?</b>	The disc is not ISO9660 Level 2 format or Joliet.	Use only ISO9660 Level 2 format or Joliet discs (page 9).
	The disc has not been finalized.	Finalize the disc (page 9).
<b>Can't select MP3 files?</b>	MP3 files without a ".mp3" or ".MP3" filename extension are not recognized.	Use the correct filename extension (page 9).
	The sampling rate or bit-rate is not supported.	Use MP3 files that use the supported sampling rates and bit-rates.
<b>Can't play WMA files?</b>	WMA files without a ".wma" or ".WMA" filename 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).
<b>Can't view JPEG files?</b>	JPEG files without a ".jpg" or ".JPG" 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).
<b>The message "BAD DISC" appears on the display?</b>	The disc is dirty.	Remove the disc and clean it (page 10).
<b>Buttons on the DV-CP706 and remote controller don't work?</b>	Power supply voltage fluctuations and other anomalies, such as static electricity, can interfere with normal operation.	Turn off the DV-CP706, wait five seconds, then turn it on again. If that doesn't resolve the issue, disconnect the power cord from the wall outlet, wait five seconds, reconnect it, then try again.

## Troubleshooting—Continued

<b>Buttons on the DV-CP706 work OK but those on the remote controller don't?</b>	There are no batteries in the remote controller.	Install new batteries (page 17).
	The batteries are flat.	Replace with new batteries (page 17).
	The batteries are installed incorrectly.	Check the batteries and correct as necessary (page 17).
	You're not pointing the remote controller at the DV-CP706's remote sensor.	Point the remote controller at the DV-CP706's remote sensor (page 17).
	You're too far away from the DV-CP706.	Use the remote controller closer to the DV-CP706 (page 17). The remote controller has a range of approximately 16 ft. (5 meters).
	A strong light source is interfering with the DV-CP706's remote sensor.	Make sure that the DV-CP706 is not subjected to direct sunshine or inverter-type fluorescent lights. Relocate if necessary.
	If the DV-CP706 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.
<b>The RI functions don't work?</b>	The <b>RI</b> cable is not connected properly.	Make sure the <b>RI</b> cable is connected properly.
	The DV-CP706 is not connected with an analog audio connection.	To use <b>RI</b> , you must make an <b>RI</b> connection and an analog audio connection (RCA) between the DV-CP706 and the AV receiver, even if they are connected digitally.
<b>RIHD doesn't work?</b>	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-CP706's settings may be changed by disconnecting and connecting the HDMI cable.	Display a video manually on the TV.
An <b>RI</b> cable is connected to the DV-CP706.	Disconnect the <b>RI</b> cable.	

### ■ Abnormal Behavior

The DV-CP706 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 event that this should happen, unplug the power cord from the wall outlet, wait at least five seconds, and then plug it back in again. Alternatively, press and hold the Stop [■] button until “RESET” appears on the display (about 10 seconds).

### ■ Restoring the Default Settings

To reset the DV-CP706 to its factory defaults, turn it on, and when “ONKYO DVD” 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-CP706 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-CP706'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-CP706 and the connected component.

#### HDMI connection and HDMI-related settings status

Displayed ID	Message
MSG ID 001 MSG ID 005 MSG ID 015	Turn the DV-CP706 and the connected component off, then turn them on again. Make sure that the connected component is working properly and that the DV-CP706'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 45).
MSG ID 003 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 MSG ID 006 MSG ID 007	Make sure the HDMI input on the TV or AV receiver is correctly configured to received HDMI. The connected component may not support HDCP. Make sure the connected component supports HDCP. Turn the DV-CP706 and the connected component off, then turn them on again. The DV-CP706 may be connected to the other component's DVI jack. Some TVs may not properly receive the video output by the DV-CP706. Also, with a DVI connection, there will be no sound.
MSG ID 008	The DV-CP706's HD Resolution setting is set to 480i or 720p or 1080i or 1080p. If your TV doesn't support these resolutions, select another resolution (page 24).
MSG ID 009	The connected component may not be receiving the HDMI signal properly. Try selecting another resolution on the DV-CP706 (page 24).

#### No sound from the HDMI connection

Displayed ID	Message
MSG ID 010	The DV-CP706's Digital/HDMI Audio Out setting is set to Off. Change the setting to All or PCM (page 46).
MSG ID 011 MSG ID 014	The connected component may not support 96 kHz PCM. Set the DV-CP706's Linear PCM Out setting to Down Sample On (page 46).
MSG ID 012 MSG ID 013	The connected component may not support Dolby Digital. Set the DV-CP706's Digital/HDMI Audio Out setting to PCM (page 46).
MSG ID 016 MSG ID 017	The connected component may not support DTS. The DV-CP706 cannot play the DTS format audio or soundtrack. On your DVD-Video disc's audio setup menu, select an audio format other than DTS.

# Specifications

<b>Signal System</b>	NTSC (North American model), PAL/NTSC (Australian model)	
<b>Composite Video Output/Impedance</b>	1.0 V(p-p)/75Ω negative sync, RCA	
<b>S-Video Output/Impedance</b>	Y: 0.7 V(p-p)/75Ω negative sync, 4-pin mini DIN C: 0.286 V(p-p)/75Ω	
<b>Component Video Output/Impedance</b>	Y: 1.0 V(p-p)/75Ω, Pb/Pr: 0.7 V(p-p)/75Ω, RCA	
<b>DVD Linear Audio</b>	4 Hz–44 kHz(96 kHz), 4 Hz–22 kHz(48 kHz)	
<b>Audio CD</b>	4 Hz–20 kHz(44.1 kHz)	
<b>Signal to Noise Ratio</b>	95 dB	
<b>Audio Dynamic Range</b>	95 dB	
<b>THD (Total Harmonic Distortion)</b>	0.007% (1 kHz)	
<b>Wow and Flutter</b>	Below threshold of measurability	
<b>Audio Output</b>	<b>Digital</b>	–22.5 dBm
	<b>Optical</b>	
<b>Audio Output/Impedance</b>	<b>Digital</b>	0.5 V (p–p), 75 Ω
	<b>Coaxial</b>	
<b>Audio Output/Impedance</b>	<b>Analog</b>	2.0 V (rms), 540 Ω
<b>Power supply</b>	<b>North American model</b>	AC 120 V, 60 Hz
	<b>Australian model</b>	AC 100–240 V, 50 Hz
<b>Power Consumption</b>	15 W	
<b>Stand-by Power Consumption</b>	0.5 W	
<b>Dimensions (W x H x D)</b>	435 X 91 X 431 mm (17-1/8" X 3-9/16" X 16-15/16")	
<b>Weight</b>	5.3 kg (11.7 lbs.)	
<b>Operating Conditions Temperature/Humidity</b>	5°C–35°C (41°F–95°F) / 5%–85%	
<b>Disc compatibility</b>	AUDIO CD, DVD-VIDEO, MP3, WMA, CD-R and RW, DVD±R and RW (VIDEO MODE), JPEG-CD Disc that have not been property finalized may only be partially playable or not playable at all.	

Specifications and features subject to change without notice.

## **ONKYO CORPORATION**

Sales & Product Planning Div. : 2-1, Nisshin-cho, Neyagawa-shi, OSAKA 572-8540, JAPAN  
Tel: 072-831-8023 Fax: 072-831-8163

### **ONKYO U.S.A. CORPORATION**

18 Park Way, Upper Saddle River, N.J. 07458, U.S.A.  
Tel: 201-785-2600 Fax: 201-785-2650 <http://www.us.onkyo.com/>

### **ONKYO EUROPE ELECTRONICS GmbH**

Liegnitzerstrasse 6, 82194 Groebenzell, GERMANY  
Tel: +49-8142-4401-0 Fax: +49-8142-4401-555 <http://www.eu.onkyo.com/>

### **ONKYO EUROPE UK Office**

Suite 1, Gregories Court, Gregories Road, Beaconsfield, Buckinghamshire, HP9 1HQ  
UNITED KINGDOM Tel: +44-(0)1494-681515 Fax: +44(0)-1494-680452

### **ONKYO CHINA LIMITED**

Unit 1&12, 9/F, Ever Gain Plaza Tower 1, 88, Container Port Road, Kwai Chung,  
N.T., HONG KONG Tel: 852-2429-3118 Fax: 852-2428-9039  
<http://www.ch.onkyo.com/>



I0806-1

SN 29344788

(C) Copyright 2008 ONKYO CORPORATION Japan. All rights reserved.



Download from [www.Somanuals.com](http://www.Somanuals.com). All Manuals Search And Download. \* 2 9 3 4 4 7 8 8 \*



## Free Manuals Download Website

<http://myh66.com>

<http://usermanuals.us>

<http://www.somanuals.com>

<http://www.4manuals.cc>

<http://www.manual-lib.com>

<http://www.404manual.com>

<http://www.luxmanual.com>

<http://aubethermostatmanual.com>

Golf course search by state

<http://golfingnear.com>

Email search by domain

<http://emailbydomain.com>

Auto manuals search

<http://auto.somanuals.com>

TV manuals search

<http://tv.somanuals.com>