Panasonic®

# Operating Instructions

## DVD/CD PLAYER

Model No. **DVD-S511**

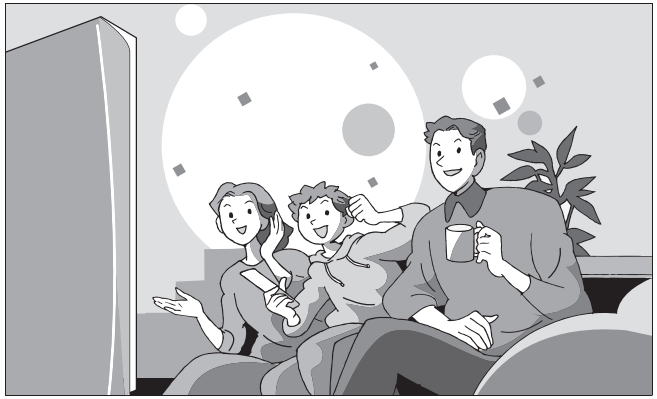
*Dear customer*

Thank you for purchasing this product.
Before connecting, operating or adjusting this product, please read the instructions completely. Please keep this manual for future reference.

**Region number**

The player plays DVD-Video marked with labels containing the region number "**2**" or "**ALL**".

**Example:**



MULTI-FORMAT PLAYBACK

*See page 4 for details*

**Note**

"EB" on the packaging indicates the United Kingdom and Republic of Ireland

EB

RQTC0145-B

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# Accessories

Please check and identify the supplied accessories.
Use numbers when asking for replacement parts.
(Product numbers correct as of February 2007. These may be subject to change.)

| | | | |
|---|---|---|---|
| ❒ | 1 | Remote control | (EUR7631260) |
| ❒ | 2 | Remote control batteries | |
| ❒ | 1 | Audio/video cable | (K2KA6BA00004) |
| ❒ | 1 | AC mains lead | (K2CT3CA00004) |

**Note**

- The included AC mains lead is for use with this unit only. Do not use it with other equipment.
- Do not use an AC mains lead from other equipment.

## ■ Sales and Support Information

Customer Care Centre

- For customers within the UK: 08705 357357
- For customers within the Republic of Ireland: 01 289 8333
- Visit our website for product information
- E-mail: customer.care@panasonic.co.uk

Direct Sales at Panasonic UK

- Order accessory and consumable items for your product with ease and confidence by phoning our Customer Care Centre Monday-Thursday 9:00am–5:30pm, Friday 9:30am–5:30pm (Excluding public holidays).
- Or go on line through our Internet Accessory ordering application at www.panasonic.co.uk
- Most major credit and debit cards accepted.
- All enquiries transactions and distribution facilities are provided directly by Panasonic UK Ltd.
- It couldn’t be simpler!
- Also available through our Internet is direct shopping for a wide range of finished products, take a browse on our website for further details.

*Interested in purchasing an extended guarantee?*
*Please call 0870 240 6284 or visit our website www.panasonic.co.uk/guarantee.*





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# Caution for AC Mains Lead

For your safety, please read the following text carefully.

This appliance is supplied with a moulded three pin mains plug for your safety and convenience.
A 5-ampere fuse is fitted in this plug.
Should the fuse need to be replaced please ensure that the replacement fuse has a rating of 5-ampere and that it is approved by ASTA or BSI to BS1362.
Check for the ASTA mark or the BSI mark on the body of the fuse.

If the plug contains a removable fuse cover you must ensure that it is refitted when the fuse is replaced.
If you lose the fuse cover the plug must not be used until a replacement cover is obtained.
A replacement fuse cover can be purchased from your local dealer.

**CAUTION!**
IF THE FITTED MOULDED PLUG IS UNSUITABLE FOR THE SOCKET OUTLET IN YOUR HOME THEN THE FUSE SHOULD BE REMOVED AND THE PLUG CUT OFF AND DISPOSED OF SAFELY.
THERE IS A DANGER OF SEVERE ELECTRICAL SHOCK IF THE CUT OFF PLUG IS INSERTED INTO ANY 13-AMPERE SOCKET.

If a new plug is to be fitted please observe the wiring code as stated below.
If in any doubt please consult a qualified electrician.

## IMPORTANT

The wires in this mains lead are coloured in accordance with the following code:
Blue: Neutral, Brown: Live.
As these colours may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:
The wire which is coloured Blue must be connected to the terminal which is marked with the letter N or coloured Black or Blue.
The wire which is coloured Brown must be connected to the terminal which is marked with the letter L or coloured Brown or Red.

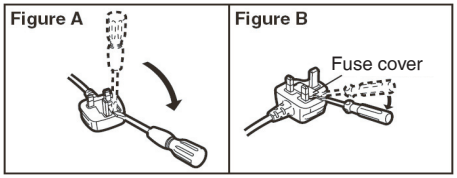
**WARNING: DO NOT CONNECT EITHER WIRE TO THE EARTH TERMINAL WHICH IS MARKED WITH THE LETTER E, BY THE EARTH SYMBOL ⏚ OR COLOURED GREEN OR GREEN/YELLOW.**

**THIS PLUG IS NOT WATERPROOF—KEEP DRY.**

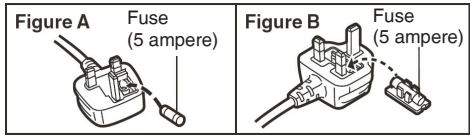
**Before use**
Remove the connector cover.

**How to replace the fuse**
The location of the fuse differ according to the type of AC mains plug (figures A and B). Confirm the AC mains plug fitted and follow the instructions below.
Illustrations may differ from actual AC mains plug.

1. Open the fuse cover with a screwdriver.




2. Replace the fuse and close or attach the fuse cover.




# Safety precaution

## Placement

Set the unit up on an even surface away from direct sunlight, high temperatures, high humidity, and excessive vibration. These conditions can damage the cabinet and other components, thereby shortening the unit's service life. Do not place heavy items on the unit.

## Voltage

Do not use high voltage power sources. This can overload the unit and cause a fire. Do not use a DC power source. Check the source carefully when setting the unit up on a ship or other place where DC is used.

## AC mains lead protection

Ensure the AC mains lead is connected correctly and not damaged. Poor connection and lead damage can cause fire or electric shock. Do not pull, bend, or place heavy items on the lead.
Grasp the plug firmly when unplugging the lead. Pulling the AC mains lead can cause electric shock. Do not handle the plug with wet hands. This can cause electric shock.

## Foreign matter

Do not let metal objects fall inside the unit. This can cause electric shock or malfunction. Do not let liquids get into the unit. This can cause electric shock or malfunction. If this occurs, immediately disconnect the unit from the power supply and contact your dealer.
Do not spray insecticides onto or into the unit. They contain flammable gases which can ignite if sprayed into the unit.

## Service

Do not attempt to repair this unit by yourself. If sound is interrupted, indicators fail to light, smoke appears, or any other problem that is not covered in these instructions occurs, disconnect the AC mains lead and contact your dealer or an authorized service centre. Electric shock or damage to the unit can occur if the unit is repaired, disassembled or reconstructed by unqualified persons.

Extend operating life by disconnecting the unit from the power source if it is not to be used for a long time.





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# Discs that can be played

## Commercial discs

| Disc<br>Logo | Indicated in these instructions by | Remarks |
|---|---|---|
| DVD-Video | DVD-V | High quality movie and music discs |
| Video CD | VCD | Including SVCD (Conforming to IEC62107) |
| CD | CD | Music discs |

## Discs that cannot be played

Blu-ray, HD DVD, DVD-Audio, Version 1.0 of DVD-RW, DVD-RAM, DVD-ROM, CD-ROM, CDV, CD-G, SACD, Photo CD and “Chaoji VCD” available on the market including CVD, DVCD and SVCD that do not conform to IEC62107.

### Playing DVDs and Video CDs

The producer of these discs can control how they are played so you may not always be able to control play as described in these operating instructions (for example if the play time is not displayed or if a Video CD has menus).
Read the disc’s instructions carefully.

### ■ Handling precautions

- Do not attach labels or stickers to discs (this may cause disc warping, rendering it unusable).
- Do not write on the label side with a ball-point pen or other writing instrument.
- Do not use record cleaning sprays, benzine, thinner, static electricity prevention liquids or any other solvent.
- Do not use scratch-proof protectors or covers.
- Do not use the following discs:
  – Discs with exposed adhesive from removed stickers or labels (rented discs etc.).
  – Discs that are badly warped or cracked.
  – Irregularly shaped discs, such as heart shapes.

## Recorded discs (○: Available, – : Not available)

| Disc<br>Logo | Recorded on a DVD video recorder, etc. | Recorded on a personal computer, etc. | | | | | Finalizing*5 |
|---|---|---|---|---|---|---|---|
| | DVD-V *2 | WMA | MP3 | JPEG | MPEG4 | DivX *4 | |
| DVD-R/RW | ○ | – | ○ | ○ | ○ | ○ | Necessary |
| DVD-R DL | ○ | – | – | – | – | – | Necessary |
| +R/+RW | (○)*3 | – | – | – | – | – | Necessary |
| +R DL | (○)*3 | – | – | – | – | – | Necessary |
| CD-R/RW*1 | – | ○ | ○ | ○ | ○ | ○ | Necessary*6 |

- It may not be possible to play the above discs in all cases due to the type of discs, the condition of the recording, the recording method and how the files were created (➔ page 5, Tips for making data discs).

*1 This unit can also play CD-R/RW recorded with CD-DA or Video CD format.
*2 Discs recorded on DVD video recorders or DVD video cameras using DVD-Video Format.
*3 Recorded using a format different from DVD-Video Format, therefore some functions cannot be used.
*4 Plays all versions of DivX® video (including DivX®6) with standard playback of DivX® media files. Certified to the DivX Home Theater Profile. GMC (Global Motion Compensation) is not supported.
*5 A process that allows play on compatible equipment. To play a disc that is displayed as “Necessary” on this unit, the disc must first be finalized on the device it was recorded on.
*6 Closing the session will also work.



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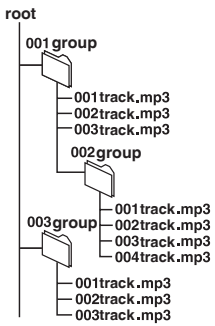
## ■ Tips for making data discs

| Format | Disc | Extension | Reference |
|---|---|---|---|
| WMA | CD-R/RW | ".WMA"<br>".wma" | • You cannot play WMA files that are copy protected.<br>• This unit is not compatible with Multiple Bit Rate (MBR: a file that contains the same content encoded at several different bit rates). |
| MP3 | DVD-R/RW<br>CD-R/RW | ".MP3"<br>".mp3" | • Sampling frequency:<br>**DVD-R/RW:**<br>11.02, 12, 22.05, 24, 44.1, and 48 kHz<br>**CD-R/RW:**<br>8, 11.02, 12, 16, 22.05, 24, 32, 44.1, and 48 kHz<br>• This unit is not compatible with ID3 tags. |
| JPEG | DVD-R/RW<br>CD-R/RW | ".JPG"<br>".jpg"<br>".JPEG"<br>".jpeg" | • JPEG files taken on a digital camera that conforms to DCF Standard Version 1.0 are displayed.<br>– Files that have been altered, edited or saved with computer picture editing software may not be displayed.<br>• This unit cannot display moving pictures, MOTION JPEG and other such formats, still pictures other than JPEG (e.g. TIFF) or play pictures with attached audio. |
| MPEG4 | DVD-R/RW<br>CD-R/RW | ".ASF"<br>".asf" | • You can play MPEG4 data [conforming to SD VIDEO specifications (ASF standard)/ MPEG4 (Simple Profile) video system/G.726 audio system] recorded with the Panasonic SD multi cameras or DVD video recorders with this unit.<br>• The recording date may differ from that of the actual date. |
| DivX | DVD-R/RW<br>CD-R/RW | ".DIVX"<br>".divx"<br>".AVI"<br>".avi" | • Plays all versions of DivX video (including DivX® 6) [DivX video system/MP3, Dolby Digital or MPEG audio system] with standard playback of DivX® media files. Functions added with DivX Ultra are not supported.<br>• GMC (Global Motion Compensation) is not supported.<br>• DivX files greater than 2GB or have no index may not play properly on this unit.<br>• This unit supports all resolutions up to maximum of 720 x 480 (NTSC)/720 x 576 (PAL).<br>• You can select up to 8 types of audio and subtitles on this unit. |

**Naming folders and files**
**(Files are treated as content and folders are treated as groups on this unit.)**
At the time of recording, prefix folder and file names. This should be with numbers that have an equal number of digits, and should be done in the order you want to play them (this may not work at times).

e.g. MP3




**CD-R/RW**
- Discs must conform to ISO9660 level 1 or 2 (except for extended formats).
- This unit is compatible with multi-session but if there are a lot of sessions it takes more time for play to start. Keep the number of sessions to a minimum to avoid this.

**DVD-R/RW**
- Discs must conform to UDF bridge (UDF 1.02/ ISO9660).
- This unit is not compatible with multi-session. The default session only is played.

- There may be differences in the display order on the menu screen and computer screen.
- This unit cannot play files recorded using packet write.

**Note about using a DualDisc**
The digital audio content side of a DualDisc does not meet the technical specifications of the Compact Disc Digital Audio (CD-DA) format so play may not be possible.

# Maintenance

## ■ Clean this unit with a soft, dry cloth
- Never use alcohol, paint thinner or benzine to clean this unit.
- Before using chemically treated cloth, read the instructions that came with the cloth carefully.
- Cleaning of the lens is generally not necessary although this depends on the operating environment.
- Do not use commercially available lens cleaners as they may cause malfunction.

## ■ Clean discs
Wipe with a damp cloth and then wipe dry.

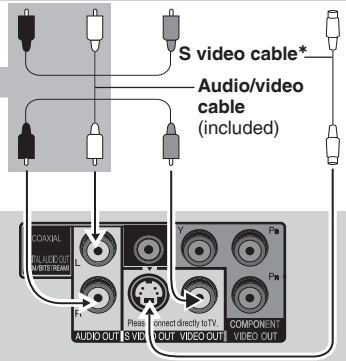
## ■ Connection to a television

- Do not place the unit on amplifiers or equipment that may become hot. The heat can damage the unit.
- **Do not connect through the video cassette recorder.** Due to copy guard protection, the picture may not display properly.
- Turn off all equipment before connection and read the appropriate operating instructions.
- Connect the terminals of the same colour.

**Television**

### With VIDEO IN or S VIDEO IN

AUDIO IN R L | VIDEO IN | S VIDEO IN

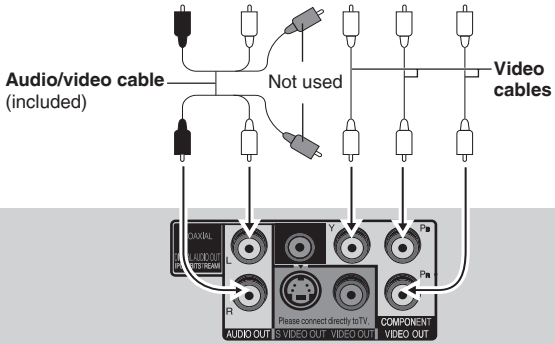



*When using this connection, the audio cable (red and white plugs) should also be connected.

**You can connect the audio cable to the 2-channel audio input terminals of an analog amplifier or system component to enjoy stereo sound.**

### With COMPONENT VIDEO IN

AUDIO IN R L | COMPONENT VIDEO IN



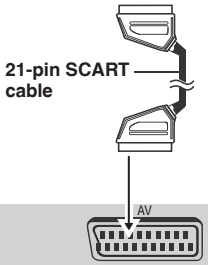

**To enjoy progressive video**

- Connect to a progressive output compatible television.
- Set “VIDEO OUT-SCART” to “VIDEO/YPbPr” for component terminals. (➔ page 18, “VIDEO” menu).
- Set “VIDEO PRIORITY” to “OFF” (➔ page 19, “HDMI” menu).
- Set “VIDEO OUT (I/P)” to “PROGRESSIVE”, then follow the instructions on the menu screen (➔ page 18, “VIDEO” menu).

Panasonic televisions with 625 (576)/50i · 50p, 525 (480)/60i · 60p input terminals are progressive compatible.

### With SCART (AV) IN

SCART (AV) IN




- If the television is compatible with S-video, set “VIDEO OUT-SCART” to “S-VIDEO/YPbPr”, or compatible with RGB, select “RGB/NO OUTPUT” for the AV terminals (➔ page 18, “VIDEO” menu). Also, set “VIDEO PRIORITY” to “OFF” (➔ page 19, “HDMI” menu) when “RGB/NO OUTPUT” is selected.

**Back of the unit**

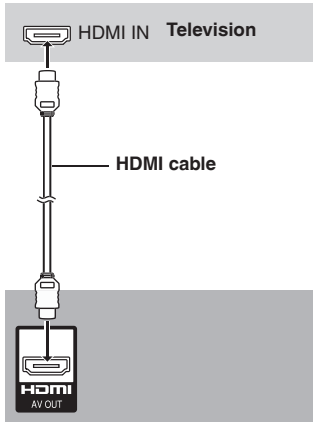
## ■ Enjoying higher quality audio and video (HDMI connection) (➔ Page 26, Glossary)

By connecting to an HDMI compatible high-definition television, video recordings can be converted to, and output as, high-definition video (1080i).
You can also enjoy surround sound by connecting to an HDMI compatible amplifier with multi-channel output terminals.

### With HDMI compatible television

To enjoy digital high-definition video and high quality audio with a single cable.

- You can enjoy surround sound by connecting an amplifier with COAXIAL terminal (➔ page 8).

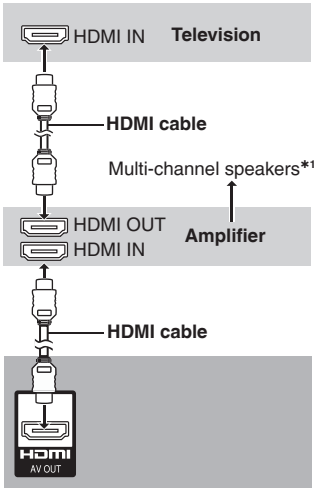



**Back of the unit**

- Set “VIDEO PRIORITY” to “ON” and “AUDIO OUT” to “ON” (➔ page 19, “HDMI” menu).

### With HDMI compatible television and amplifier

To enjoy digital surround sound in addition to digital high-definition video.

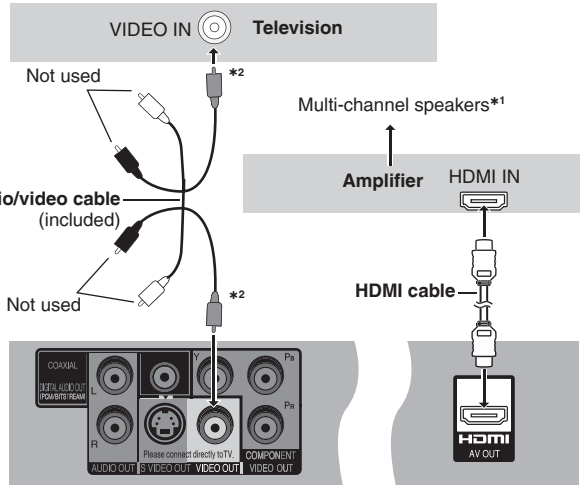



**Back of the unit**

- Set “VIDEO PRIORITY” to “ON” and “AUDIO OUT” to “ON” (➔ page 19, “HDMI” menu).

### With HDMI compatible amplifier

You can still enjoy surround sound when your television is not HDMI compatible by connecting an HDMI compatible amplifier.




**Back of the unit**

- Set “AUDIO OUT” to “ON”. When you connect to a television through the COMPONENT VIDEO terminal only, set “VIDEO PRIORITY” to “OFF”, too (➔ page 19, “HDMI” menu).

*1 DVD-V Audio will be output in 2 channels when output as PCM. Change “DOLBY DIGITAL” and “DTS” (➔ page 19, “AUDIO” menu).
*2 You can also use the S VIDEO and COMPONENT VIDEO terminals.

- To enjoy high-definition video, connect to an HDMI compatible high-definition television and set “VIDEO FORMAT” (➔ page 17, On-Screen Menu 4).
- For stable operation and preventing deterioration of video quality, please purchase an HDMI cable 5.0 m or less in length with the HDMI logo.
- It is compatible with the VIERA Link “HDAVI Control™” function (➔ page 24).

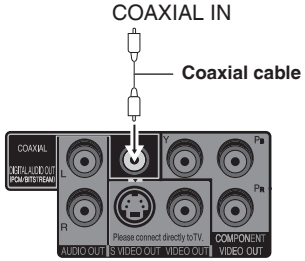
## STEP 1 Connection

### ■ Enjoying surround sound

**Amplifier with a built-in decoder or a decoder-amplifier combination**

- You cannot use DTS Digital Surround decoders not suited to DVD.

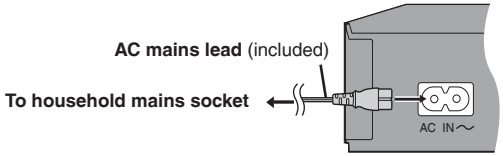
Set “AUDIO OUT” to “OFF” (➔ page 19, “HDMI” menu), and change “PCM OUTPUT”, “DOLBY DIGITAL”, “DTS” and “MPEG” (➔ page 19, “AUDIO” menu).




**Back of the unit**

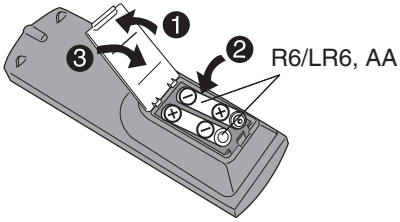
### ■ Connect the AC mains lead last

**READ THE CAUTION FOR AC MAINS LEAD ON PAGE 3 BEFORE CONNECTION.**




## STEP 2 The remote control

### ■ Batteries




- Insert so the poles (+ and −) match those in the remote control.
- Do not use rechargeable type batteries.

**Do not:**

- mix old and new batteries.
- use different types at the same time.
- heat or expose to flame.
- take apart or short circuit.
- attempt to recharge alkaline or manganese batteries.
- use batteries if the covering has been peeled off.

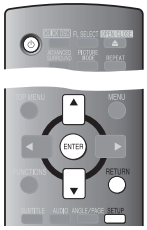
Mishandling of batteries can cause electrolyte leakage which can damage items the fluid contacts and may cause a fire.

Remove if the remote control is not going to be used for a long period of time. Store in a cool, dark place.

### ■ Use

Aim at the remote control sensor (➔ page 9), avoiding obstacles, at a maximum range of 7 m directly in front of the unit.

## STEP 3 QUICK SETUP




Turn on the television and select the appropriate video input on the television.

**1** **Power on.**

**2** SETUP **Shows QUICK SETUP screen.**

**3** Select / Register / ENTER / RETURN **Follow the message and make the settings.**

**4** ENTER **Press to finish QUICK SETUP.**

**5** SETUP **Press to exit.**

To change these settings later, select “QUICK SETUP” (➔ page 19, “OTHERS” menu).

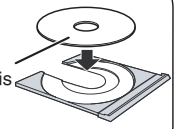
## ❶ Power ON.

Remote control sensor

## ❷ Open the disc tray.

## ❸ Load the disc.

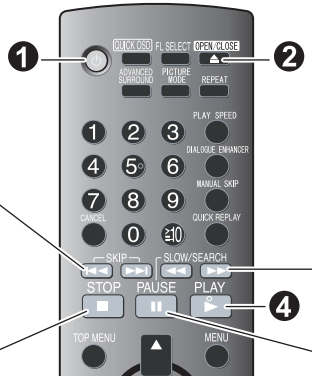
- Load double-sided discs so the label for the side you want to play is facing up.



## Stop



## ❹ Start play.




## Skip

- Press [⏮ ⏭] to skip titles, chapters, tracks, etc.

## Stop

The position is memorized when “RESUME STOP” is displayed on your television screen.

- Press [▶] (PLAY) to resume. **(Resume play)**
- Press [■] to clear the position.

## Search (during play)

## Slow-motion (during pause)

- Up to 5 steps
- Press [▶] (PLAY) to restart play.

**VCD** Slow-motion: Forward direction only

**MPEG4** **DivX** Slow-motion: Does not work.

## Pause

- Press [▶] (PLAY) to restart play.

**Standby/on switch (⏻/I)**

Press to switch the unit from on to standby mode or vice versa. In standby mode, the unit is still consuming a small amount of power.

**Standby/on indicator (⏻)**

When the unit is connected to the AC mains supply, this indicator lights up in standby mode and goes out when the unit is turned on.

**Note**

- **DISCS CONTINUE TO ROTATE WHILE MENUS ARE DISPLAYED. Press [■] when you finish to preserve the unit’s motor and your television screen.**
- Total title number may not be displayed properly on +R/+RW.

If you are experiencing problems, refer to “Troubleshooting guide” (➔ page 21 to 23).

| | | |
|---|---|---|
| **Frame-by-frame** (during pause) DVD-V VCD | ENTER | VCD forward direction only |
| **Return to previous screen** | RETURN | |
| **On-screen item select** | ENTER | Select<br>Register |
| **Disc menu** | TOP MENU | DVD-V<br>Shows a disc top menu. |
| | MENU | DVD-V<br>Shows a disc menu. |
| | RETURN | VCD with playback control<br>Shows a disc menu. |
| **Enter number** | ① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ 0 ±10 ENTER | DVD-V CD VCD<br>e.g. To select 12: [ ≧ 10] → [1] → [2]<br>WMA MP3 JPEG MPEG4 DivX<br>e.g. To select 123: [ ≧ 10] → [1] → [2] → [3] → [ENTER] |
| **Main unit display** | FL SELECT | Number display ⟷ Time display |
| **Information screen** JPEG | SUBTITLE | |

# Changing the play sequences

## PLAY MODE — Program play (up to 30 items)

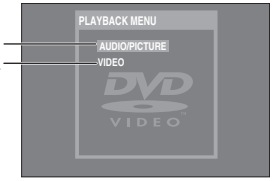
**1.** WMA MP3 JPEG MPEG4 DivX

Discs that contain both video (DivX/MPEG4) and other format (WMA/MP3/JPEG) contents only

While the "PLAYBACK MENU" is displayed

**Press [▲ ▼] to select "AUDIO/PICTURE" or "VIDEO" and press [ENTER].**

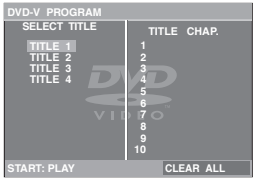
MP3, WMA, JPEG — AUDIO/PICTURE
DivX, MPEG4 — VIDEO




e.g. DVD-V

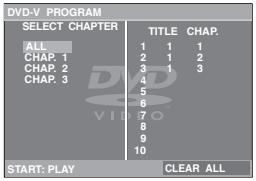
**2. While stopped, press [PLAY MODE] several times to select "∗∗∗ PROGRAM".**

- When playing a disc with both MP3 and JPEG recorded, select "MUSIC PROGRAM" for MP3 or "PICTURE PROGRAM" for JPEG pictures.
  You cannot set both "MUSIC PROGRAM" and "PICTURE PROGRAM".




**3. Press [▲ ▼] to select an item and press [ENTER].**

- Repeat this step to program other items.
- To select all items in a disc, title, or group, select "ALL" and press [ENTER].
- Press [ANGLE/PAGE] to skip page by page.
- Press [RETURN] to return to the previous menu.




**4. Press [▶] (PLAY) to start play.**

**Clearing the program**
Press [▶] and then press [▲ ▼] to select the item and press [CANCEL].

**Clearing the whole program**
Press [▶] several times to select "CLEAR ALL" and press [ENTER]. The whole program is also cleared when the unit is turned off or the disc tray is opened.

**To exit program mode, press [PLAY MODE] several times.**

## PLAY MODE — Random play

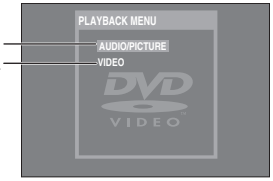
**1.** WMA MP3 JPEG MPEG4 DivX

Discs that contain both video (DivX/MPEG4) and other format (WMA/MP3/JPEG) contents only

While the "PLAYBACK MENU" is displayed

**Press [▲ ▼] to select "AUDIO/PICTURE" or "VIDEO" and press [ENTER].**

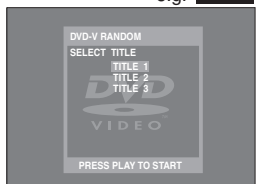
MP3, WMA, JPEG — AUDIO/PICTURE
DivX, MPEG4 — VIDEO




e.g. DVD-V

**2. While stopped, press [PLAY MODE] several times to select "∗∗∗ RANDOM".**

- When playing a disc with both MP3 and JPEG recorded, select "MUSIC RANDOM" for MP3 or "PICTURE RANDOM" for JPEG pictures.




**3.** WMA MP3 JPEG MPEG4 DivX

Only when the disc has a group (folder)

**Press [▲ ▼] to select a group and press [ENTER].**

- "∗" will be displayed next to the selected groups.
  Press [ENTER] again to clear.
- To select multiple groups, repeat this step.
- Press [ANGLE/PAGE] to skip page by page.
- To select all items in a disc, select "ALL".

DVD-V

Only when the disc has multiple titles

**Press [▲ ▼] to select a title and press [ENTER].**

- "∗" will be displayed next to the selected title.

**4. Press [▶] (PLAY) to start play.**

**To exit random mode, press [PLAY MODE] several times.**

**Note**

(For Program play and Random play) While playing SVCD, press [■] will not memorize the position.

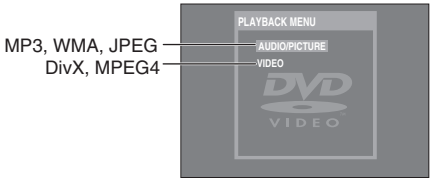
# Playing audio (WMA/MP3), picture (JPEG) and video (DivX/MPEG4) discs

**1.** WMA MP3 JPEG MPEG4 DivX

Discs that contain both video (DivX/MPEG4) and other format (WMA/MP3/JPEG) contents only

While the "PLAYBACK MENU" is displayed

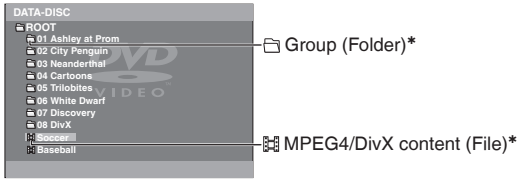
**Press [▲ ▼] to select "AUDIO/PICTURE" or "VIDEO" and press [ENTER].**

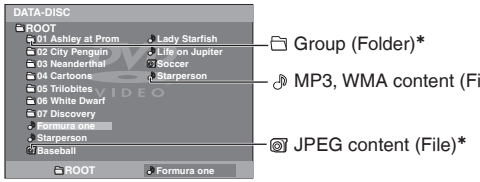



**2.** While the menu is displayed

**Press [▲ ▼ ◀ ▶] to select an item and press [ENTER].**

- Repeat this step if there are multiple layers.




*Files are treated as contents and folders are treated as groups in these instructions.

- Press [ANGLE/PAGE] to skip page by page.
- Press [RETURN] to go back to previous screen.
- Press [MENU] to display/exit the screen.

DivX The video content is distorted according to the recorded method to the discs. This unit cannot play these kinds of discs normally.

## ■ Select the picture in thumbnails menu

JPEG

**1. While pictures are being displayed, press [TOP MENU] to display the thumbnails.**

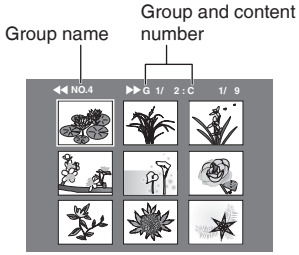
**2. To select a picture in a group**

Press [▲ ▼ ◀ ▶] to select the picture and press [ENTER].

- Press [▶▶|] to skip forward page by page.
- Press [|◀◀] to skip backward page by page.

### To select a picture in other groups

1. Press [▲] to select the group name.
2. Press [◀ ▶] to select the group and press [ENTER].
3. Press [▲ ▼ ◀ ▶] to select the picture and press [ENTER].



## Displaying current playback condition (Quick OSD)

QUICK OSD

**Press [QUICK OSD].**

- To exit the screen, press [QUICK OSD].

## Enjoying advanced surround

ADVANCED SURROUND

Motion pictures with 2 or more channels

Enjoy a surround-like effect when using 2 front speakers.

**Press [ADVANCED SURROUND] to select "A. SURROUND1", "A. SURROUND2", "A. SURROUND3" or "OFF".**

A. SURROUND1

OFF → A. SURROUND1 → A. SURROUND2 → A. SURROUND3 → OFF

**A. SURROUND1:** Light effect
**A. SURROUND2:** Medium effect
**A. SURROUND3:** Strong effect
**OFF:** Off

- When using discs recorded with surround sound, sound seems to come from speakers on either side of you.
- Optimum seating position is 3 to 4 times the distance between the front left and right speakers or the width of the television if using the television's speakers.
- Do not use in combination with surround effects on other equipment.
- The settings remain even when the unit is turned off or the disc tray is opened.
- Turn off if sound is distorted.

## Repeat play

REPEAT

(Only when the elapsed play time can be displayed.
JPEG : you can use even if there is no elapsed time display.)

**Press [REPEAT] to select an item to be repeated.**

e.g. DVD-V

CHAP.

- To cancel, press [REPEAT] to select "OFF".

## Changing picture mode (Discs with pictures)

PICTURE MODE

**Press [PICTURE MODE] to select the picture quality for movie viewing.**

NORMAL

**NORMAL**: Normal images.
**CINEMA1**: Mellows images and enhances detail in dark scenes.
**CINEMA2**: Sharpens images and enhances detail in dark scenes.
**DYNAMIC**: Enhances the contrast for powerful images.
**ANIMATION**: Suitable for animation.
**SOFT SKIN**: Softens the skin of people in the images.

## Changing play speed DVD-V

PLAY SPEED

(Only when the elapsed play time can be displayed)

**During play, press [PLAY SPEED].**

×1.4

Press [▲ ▼] to change play speed
–from "×0.6" to "×1.4" (in 0.1 units)

- Press [▶] (PLAY) to return to the normal play.
- After you change the speed
  – Advanced surround (➔ left) does not work.
  – Digital audio output switches to PCM 2ch.
- This may not work depending on the disc's recording.

## Quick replay (Only when the elapsed play time can be displayed)

QUICK REPLAY

DVD-V WMA MP3 VCD CD

**Press [QUICK REPLAY] to skip back about 10 seconds.**

- This may not work depending on the disc's recording.

## Changing subtitles (Discs with subtitles)

SUBTITLE

**Press [SUBTITLE] to select the subtitle language.**

e.g. DVD-V

1: ENG

- On +R/+RW, a subtitle number may be shown for subtitles that are not displayed.
- This may not work depending on the disc's recording.

## Reducing noise in pictures

DNR

Smoothes block noise and reduces the smudging that appears around contrasting sections of the picture.

1

**Press [DNR] to select "OFF", "1", "2", or "3".**

**1:** Light effect
**2:** Medium effect
**3:** Strong effect
**OFF:** Off

AUDIO

## Changing soundtracks

DVD-V DivX (with multiple soundtracks)
VCD

DVD-V DivX

e.g. DivX

**Press [AUDIO] to select the soundtrack.**

1: MP3 160kbps 44.1kHz 2ch

VCD
You can use this button to select “L”, “R”, “L+R” or “L R”.

DIALOGUE ENHANCER

## Dialogue enhancer

DVD-V (Dolby Digital, DTS, MPEG, 3-channel or over, with the dialogue recorded in the centre channel)
DivX (Dolby Digital, MPEG, 3-channel or over, with the dialogue recorded in the centre channel)

**To make the dialogue in movies easier to hear**
**Press [DIALOGUE ENHANCER] to select “ON”.**

ON

To cancel, press [DIALOGUE ENHANCER] to select “OFF”.
- The settings remain even when the unit is turned off or the disc tray is opened.

MANUAL SKIP

## Skipping about 30 seconds forward

DVD-V

Convenient when you want to skip commercials etc.
**During play, press [MANUAL SKIP].**
- This may not work depending on the play position.

ANGLE/PAGE

## Angle select DVD-V (with multiple angles)

## Still picture rotation JPEG

**Press [ANGLE/PAGE] to select the angle.**

e.g. DVD-V

1

JPEG During pause,
**Press [ANGLE/PAGE] to rotate the still picture.**

TRANSFER MODE

## Transfer mode (Discs with pictures)

### With COMPONENT VIDEO OUT connection

AUTO1

If you have set “VIDEO OUT (I/P)” to “PROGRESSIVE”
(➔ page 18, “VIDEO” menu).
**Press [TRANSFER MODE] to select the method of conversion for progressive output to suit the type of material.**

- When the tray is opened, the setting will return to AUTO or AUTO1.

When playing PAL discs,
**AUTO**: Automatically detects the film and video content, and appropriately converts it.
**VIDEO**: Select when using AUTO, and the content is distorted.
**FILM**: Select this if the edges of the film content appear jagged or rough when AUTO is selected. However, if the video content is distorted, then select AUTO.

When playing NTSC discs,
**AUTO1** (normal): Automatically detects the film and video content, and appropriately converts it.
**AUTO2**: In addition to AUTO1, automatically detects film contents with different frame rates and appropriately converts it.
**VIDEO**: Select when using AUTO1 and AUTO2, and the content is distorted.

### With HDMI AV OUT connection

If you have set “VIDEO FORMAT” to “480p”, “720p” or “1080i”
(➔ page 17, On-Screen Menu 4).
**Select between AUTO1, AUTO2, and VIDEO for the method of conversion for progressive output.**

ZOOM

## Zoom DVD-V VCD JPEG MPEG4 DivX

**1. JPEG Press [❚❚].**

e.g. VCD

**2. Press [ZOOM] to select the zoom ratio.**

NORMAL

NORMAL → AUTO ( DVD-V VCD only) → X 2 → X 4

**NORMAL:** Displayed in the size used for recording.
**AUTO:** Automatically zooms in and adjusts the size of images with upper and lower black bands.
**X 2:** 2X zoom
**X 4:** 4X zoom

- Zoom ratio will return to “NORMAL” while stopped, “RESUME STOP”, or when the disc tray is opened.

# Using On-Screen Menus

**1**

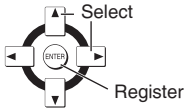
FUNCTIONS

**Press.**

Each time you press the button:

→ On-Screen Menu 1 (Disc/Play)
↓
On-Screen Menu 2 (Video)
↓
On-Screen Menu 3 (Audio)
↓
On-Screen Menu 4 (HDMI)
↓
Exit

**2**




**Select the item.**

**3**

**Make the settings.**

**4**

RETURN

**Press to exit.**

**Note**

Press [FUNCTIONS] will display only “On-Screen Menu 4” during “nodISC” or when the disc tray is opened.

Items shown differ depending on the type of software.

## On-Screen Menu 1 (Disc/Play)

| | | |
|---|---|---|
| e.g. DVD-V T9 C99 | **TITLE SEARCH, CHAPTER SEARCH, TRACK SEARCH, CONTENT SEARCH** | **To start from a specific item**<br>• Press [▲ ▼] to select and press [ENTER], or press the numbered buttons.<br>VCD This does not work when using playback control (➔ page 26, Glossary). |
| | **AUDIO** | (➔ page 14, Changing soundtracks) |
| | **PLAY SPEED** | (➔ page 13, Changing play speed) |
| | **REPEAT MODE** | (➔ page 13, Repeat play)<br>**A-B Repeat** (To repeat a specified section)<br>Except still picture on JPEG DivX MPEG4<br>Press [ENTER] at the starting and ending points.<br>• Select “OFF” to cancel. |
| | **SUBTITLE** | (➔ page 13, Changing subtitles) |
| | **ANGLE** | (➔ page 14, Angle select) |
| | **DATE DISPLAY** | JPEG Displays the photograph date<br>OFF ⟷ ON |
| | **ROTATION** | (➔ page 14, Still picture rotation) |

## On-Screen Menu 2 (Video)

| | | |
|---|---|---|
| | **PICTURE MODE** | (➔ page 13, Changing picture mode) |
| | **ZOOM** | (➔ page 14, Zoom) |
| | **DNR** | (➔ page 13, Reducing noise in pictures) |
| | **TRANSFER MODE** | (➔ page 14, Transfer mode) |
| | **SOURCE SELECT** DivX (depends on disc) | When you select “AUTO” the constructing method of the DivX contents is automatically distinguished and output. If the picture is distorted, select “INTERLACE” or “PROGRESSIVE” depending on which constructing method was used when the contents were recorded to disc.<br>**AUTO, INTERLACE, PROGRESSIVE** |

## On-Screen Menu 3 (Audio)

| | | |
|---|---|---|
| | **DIALOG ENHANCER** | (➔ page 14, Dialogue enhancer) |
| | **RE-MASTER** | DVD-V CD **Discs recorded with multi channels LPCM at 44.1 kHz or 48 kHz**<br>This feature gives you a more natural sound by adding the higher frequency signals not recorded on the disc.<br>WMA MP3 **Discs recorded at 44.1 kHz or 48 kHz**<br>This feature reproduces the frequencies lost during recording to give you a sound closer to the original.<br>Press [▲ ▼] to select **“OFF”**, **“1”**, **“2”** or **“3”**. |
| | **ADVANCED SURROUND** | (➔ page 13, Enjoying advanced surround) |

| Setting | Type of music DVD-V CD | Effect level WMA MP3 |
|---|---|---|
| 1 | High tempo (e.g., pop and rock) | Light |
| 2 | Various tempos (e.g., jazz) | Medium |
| 3 | Low tempo (e.g., classical) | Strong |
| OFF | Off | Off |

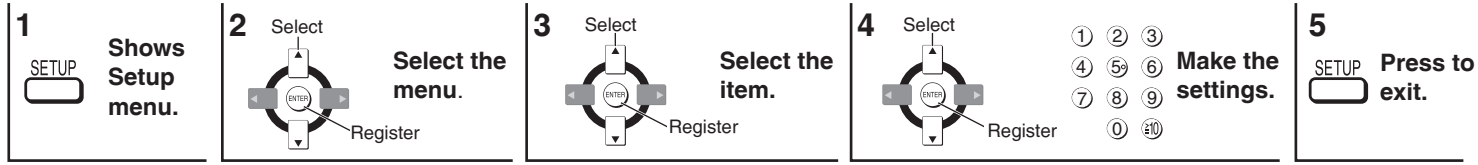
- When connecting with DIGITAL AUDIO OUT terminal, the actual output sampling frequency depends on “PCM OUTPUT” setting in “AUDIO” menu (➔ page 19).
- This feature may not work when connected with HDMI AV OUT terminals.
- This may not work depending on the disc’s recording.
- This does not work with MP3 on DVD-R/RW.

**Note**

You cannot use settings in On-Screen Menu 3 during pause, slow-motion, and search.

## On-Screen Menu 4 (HDMI)

| | | |
|---|---|---|
| HDMI | **HDMI STATUS** | **Indicates various information when connected with HDMI AV OUT terminal (➔ below, Confirming HDMI information).**<br>■ **Confirming HDMI information**<br>e.g. DVD-V<br>HDMI - INFORMATION<br>CONNECTED STATE CONNECTED — Connection status<br>AUDIO STREAM PCM — ➔ page 14, Changing soundtracks<br>MAX CHANNEL 2 ch — Shows the maximum channel number of the connected equipments.<br>VIDEO FORMAT 480p — ➔ below, VIDEO FORMAT<br>COLOUR SPACE YCbCr 4:4:4 — ➔ below, COLOUR SPACE |
| | **HD ENHANCER** | **With HDMI connection (When "VIDEO PRIORITY" is set to "ON") (➔ page 19, "HDMI" menu)**<br>Makes the quality of HDMI video output (720p, 1080i) sharp.<br>**OFF**, **1** (weakest) to **3** (strongest) |
| | **VIDEO FORMAT** | **With HDMI connection (When "VIDEO PRIORITY" is set to "ON") (➔ page 19, "HDMI" menu)**<br>**480p/720p** (progressive)<br>**480i/1080i** (interlace)<br>• The item will vary depending on the connected equipment. |
| | **COLOUR SPACE** | **With HDMI connection (When "VIDEO PRIORITY" is set to "ON") (➔ page 19, "HDMI" menu)**<br>**RGB YCbCr 4:4:4 YCbCr 4:2:2**<br>• An "∗" mark will only appear for the corresponding connected equipment model. |




- The settings remain intact even if you switch the unit to standby.
- Underlined items are the factory preset.

The QUICK SETUP enables successive settings of the items in the shaded area.

## ■ "DISC" menu

| SETTING STATE | Display the current setting of the items below |
|---|---|
| **AUDIO**<br>Choose the audio language. | **ENGLISH FRENCH SPANISH GERMAN ITALIAN SWEDISH DUTCH POLISH ORIGINAL*1**<br>**OTHER ----*2** |
| **SUBTITLE**<br>Choose the subtitle language. | **AUTO*3 ENGLISH FRENCH SPANISH GERMAN ITALIAN SWEDISH DUTCH POLISH OTHER ----*2** |
| **MENUS**<br>Choose the language for disc menus. | **ENGLISH FRENCH SPANISH GERMAN ITALIAN SWEDISH DUTCH POLISH OTHER ----*2** |
| **RATINGS**<br>Set a ratings level to limit DVD-Video play. | Setting ratings (When level 8 is selected)<br>**0 LOCK ALL:** To prevent play of discs without ratings levels.<br>**1 to 7:** To prohibit play of DVD-Video with corresponding ratings recorded on them.<br>**8 NO LIMIT**<br>When setting a ratings level, a password screen is shown. Follow the on-screen instructions.<br>**Do not forget your password.**<br>A message screen will be shown if a DVD-Video exceeding the ratings level is inserted in the unit. Follow the on-screen instructions. |
| **PASSWORD**<br>Change the password for "RATINGS" (➔ above). | 1. Select "CHANGE" and press [ENTER].<br>2. Enter the current password with the numbered buttons, then press [ENTER].<br>3. Enter the new password with the numbered buttons, then press [ENTER].<br>If "VERIFY" is displayed, please verify the password and insert it again. |

## ■ "VIDEO" menu

| SETTING STATE | Display the current setting of the items below |
|---|---|
| **TV ASPECT**<br>Choose the setting to suit your television and preference. | **4:3PAN&SCAN 4:3LETTERBOX 4:3ZOOM**<br>**16:9NORMAL 16:9SHRINK 16:9ZOOM** |
| **TV TYPE**<br>Select to suit the type of television. | **STANDARD CRT LCD PROJECTION PLASMA** |
| **TIME DELAY**<br>When connected with an AV amplifier and Plasma display, adjust if you notice the audio is out of sync with the video. | **0 ms 20 ms 40 ms**<br>**60 ms 80 ms 100 ms** |
| **NTSC DISC OUT**<br>Choose PAL60 or NTSC output when playing NTSC discs. | **NTSC**: Output signals from NTSC discs remains as NTSC.<br>**PAL60**: NTSC discs can be viewed on PAL television. |
| **STILL MODE**<br>Specify the type of picture shown when paused. | **AUTO**<br>**FIELD:** The picture is not blurred, but picture quality is lower.<br>**FRAME:** Overall quality is high, but the picture may appear blurred. |
| **VIDEO OUT-SCART**<br>Choose the video signal format to be output from the SCART and COMPONENT VIDEO OUT terminals | **VIDEO/YPbPr**<br>**S-VIDEO/YPbPr**<br>**RGB/NO OUTPUT** |
| **VIDEO OUT (I/P)**<br>Select "PROGRESSIVE" only if connecting to a progressive output compatible television. | **INTERLACE PROGRESSIVE**<br>When you select "PROGRESSIVE", a message screen will appear.<br>• For progressive output, press [▲] and then press [ENTER].<br>• Press [RETURN] to cancel. |

## ■ “AUDIO” menu

| SETTING STATE | Display the current setting of the items below | |
|---|---|---|
| **PCM OUTPUT*** Check the digital input limitations of the equipment you connect using COAXIAL terminal and select the maximum sampling frequency of PCM digital output. | **UP TO 48kHz:** When connected to equipment compatible with 44.1 or 48 kHz<br>**UP TO 96kHz**: When connected to equipment compatible with 88.2 or 96 kHz<br>• Signals from copy-protected discs are converted to 48 or 44.1 kHz.<br>• Some equipment cannot handle sampling frequencies of 88.2 kHz, even if they can handle 96 kHz. Read your equipment’s operating instructions for details. | |
| **DOLBY DIGITAL*** With COAXIAL or HDMI AV OUT connections (➔ page 7 and 8) | **BITSTREAM**<br>**PCM** | Select “**BITSTREAM**” when the equipment can decode the bitstream (digital form of multi-channel data). Otherwise, select “**PCM**”. (If the bitstream is output to the equipment without a decoder, high levels of noise can be output and may damage your speakers and hearing.) |
| **DTS*** With COAXIAL or HDMI AV OUT connections (➔ page 7 and 8) | **BITSTREAM**<br>**PCM** | |
| **MPEG*** With COAXIAL or HDMI AV OUT connections (➔ page 7 and 8) | **BITSTREAM**<br>**PCM** | |
| **DYNAMIC RANGE** | **ON:** Adjusts for clarity even when the volume is low through compressing the range of the lowest sound level and the highest sound level. Convenient for late night viewing. (Only works with Dolby Digital.)<br>**OFF** | |

* When audio is output from HDMI AV OUT terminal, and the connected equipment does not support the item selected, the actual output will depend on the performance of this connected equipment.

## ■ “DISPLAY” menu

| SETTING STATE | Display the current setting of the items below |
|---|---|
| **LANGUAGE** | **ENGLISH FRANÇAIS ESPAÑOL DEUTSCH ITALIANO SVENSKA NEDERLANDS POLSKI** |

## ■ “HDMI” menu

| SETTING STATE | Display the current setting of the items below |
|---|---|
| **VIDEO PRIORITY** | **ON:** When connected through the HDMI AV OUT terminal. Video is output from the HDMI terminal. Video is also output from the COMPONENT VIDEO OUT terminal, but only in 480i (interlace).<br>**OFF:** When connected through the COMPONENT VIDEO OUT terminal. Video is output from the COMPONENT VIDEO OUT terminal according to the setting of “VIDEO OUT (I/P)” (➔ page 18, “VIDEO” menu). Video is also output from the HDMI terminal. |
| **AUDIO OUT** | **ON:** Audio output is from HDMI AV OUT terminal.<br>**OFF:** Audio output is not from HDMI AV OUT terminal. |
| **RGB RANGE** | **STANDARD**<br>**ENHANCED:** When the black and white images are not distinct.<br>• It only works when the COLOR SPACE (➔ page 17, On-Screen Menu 4) is set to RGB. |
| **VIERA Link** | **ON**: The VIERA Link “HDAVI Control™” function is available (➔ page 24).<br>**OFF** |

## ■ “OTHERS” menu

| SETTING STATE | Display the current setting of the items below |
|---|---|
| **REGISTRATION** Displays the unit’s registration code. | **SHOW CODE:** You need this registration code to purchase and play DivX Video-on-Demand (VOD) content (➔ page 24, About DivX VOD contents). |
| **JPEG TIME** | To change the slideshow timing<br>**1 SEC** to **15 SEC** (in 1 unit)<br>**15 SEC** to **60 SEC** (in 5 unit)<br>**60 SEC** to **180 SEC** (in 30 unit)<br>• “3 SEC” is the factory preset. |
| **FL DIMMER** Changes the brightness of the unit’s display. | **BRIGHT**<br>**DIM**<br>**AUTO:** The display is dimmed, but brightens only when you perform some operations. |
| **AUTO POWER OFF** | **ON:** The unit switches to standby mode after about 30 minutes in the stop mode.<br>**OFF** |
| **QUICK SETUP** | **SET:** Display the QUICK SETUP settings |
| **DEFAULTS** This returns all values in the Setup menus to the default settings. | **RESET**<br>The password screen is shown if “RATINGS” (➔ page 18) is set. Please enter the same password and press [ENTER], then turn the unit off and on again. |

*1 The original language designated on the disc is selected.
*2 Input a code number referring to the table (➔ page 20).
*3 If the language selected for “AUDIO” is not available, subtitles appear in that language (If available on the disc).

## Language code list

| | |
|---|---|
| Abkhazian: | 6566 |
| Afar: | 6565 |
| Afrikaans: | 6570 |
| Albanian: | 8381 |
| Ameharic: | 6577 |
| Arabic: | 6582 |
| Armenian: | 7289 |
| Assamese: | 6583 |
| Aymara: | 6589 |
| Azerbaijani: | 6590 |
| Bashkir: | 6665 |
| Basque: | 6985 |
| Bengali; Bangla: | 6678 |
| Bhutani: | 6890 |
| Bihari: | 6672 |
| Breton: | 6682 |
| Bulgarian: | 6671 |
| Burmese: | 7789 |
| Byelorussian: | 6669 |
| Cambodian: | 7577 |
| Catalan: | 6765 |
| Chinese: | 9072 |
| Corsican: | 6779 |
| Croatian: | 7282 |
| Czech: | 6783 |
| Danish: | 6865 |
| Dutch: | 7876 |
| English: | 6978 |
| Esperanto: | 6979 |
| Estonian: | 6984 |
| Faroese: | 7079 |
| Fiji: | 7074 |
| Finnish: | 7073 |
| French: | 7082 |
| Frisian: | 7089 |
| Galician: | 7176 |
| Georgian: | 7565 |
| German: | 6869 |
| Greek: | 6976 |
| Greenlandic: | 7576 |
| Guarani: | 7178 |
| Gujarati: | 7185 |
| Hausa: | 7265 |
| Hebrew: | 7387 |
| Hindi: | 7273 |
| Hungarian: | 7285 |
| Icelandic: | 7383 |
| Indonesian: | 7378 |
| Interlingua: | 7365 |
| Irish: | 7165 |
| Italian: | 7384 |
| Japanese: | 7465 |
| Javanese: | 7487 |
| Kannada: | 7578 |
| Kashmiri: | 7583 |
| Kazakh: | 7575 |
| Kirghiz: | 7589 |
| Korean: | 7579 |
| Kurdish: | 7585 |
| Laotian: | 7679 |
| Latin: | 7665 |
| Latvian, Lettish: | 7686 |
| Lingala: | 7678 |
| Lithuanian: | 7684 |
| Macedonian: | 7775 |
| Malagasy: | 7771 |
| Malay: | 7783 |
| Malayalam: | 7776 |
| Maltese: | 7784 |
| Maori: | 7773 |
| Marathi: | 7782 |
| Moldavian: | 7779 |
| Mongolian: | 7778 |
| Nauru: | 7865 |
| Nepali: | 7869 |
| Norwegian: | 7879 |
| Oriya: | 7982 |
| Pashto, Pushto: | 8083 |
| Persian: | 7065 |
| Polish: | 8076 |
| Portuguese: | 8084 |
| Punjabi: | 8065 |
| Quechua: | 8185 |
| Rhaeto-Romance: | 8277 |
| Romanian: | 8279 |
| Russian: | 8285 |
| Samoan: | 8377 |
| Sanskrit: | 8365 |
| Scots Gaelic: | 7168 |
| Serbian: | 8382 |
| Serbo-Croatian: | 8372 |
| Shona: | 8378 |
| Sindhi: | 8368 |
| Singhalese: | 8373 |
| Slovak: | 8375 |
| Slovenian: | 8376 |
| Somali: | 8379 |
| Spanish: | 6983 |
| Sundanese: | 8385 |
| Swahili: | 8387 |
| Swedish: | 8386 |
| Tagalog: | 8476 |
| Tajik: | 8471 |
| Tamil: | 8465 |
| Tatar: | 8484 |
| Telugu: | 8469 |
| Thai: | 8472 |
| Tibetan: | 6679 |
| Tigrinya: | 8473 |
| Tonga: | 8479 |
| Turkish: | 8482 |
| Turkmen: | 8475 |
| Twi: | 8487 |
| Ukrainian: | 8575 |
| Urdu: | 8582 |
| Uzbek: | 8590 |
| Vietnamese: | 8673 |
| Volapük: | 8679 |
| Welsh: | 6789 |
| Wolof: | 8779 |
| Xhosa: | 8872 |
| Yiddish: | 7473 |
| Yoruba: | 8979 |
| Zulu: | 9085 |



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# Troubleshooting guide

Before requesting service, make the following checks. If you are in doubt about some of the check points, or if the solutions indicated in the chart do not solve the problem, consult your dealer for instructions. (Reference pages are shown in parentheses.)

## Power

| | |
|---|---|
| **No power.** | • Insert the AC mains lead securely into the household mains socket. **(8)** |
| **The unit is automatically switched to the standby mode.** | • When “AUTO POWER OFF” is set to “ON”, the unit automatically switches to standby after approximately 30 minutes in the stop mode. **(19)** |

## No operation

| | |
|---|---|
| **No response when any buttons pressed.** | • This unit cannot play discs other than the ones listed in these operating instructions. **(4)**<br>• The unit may not be operating properly due to lightning, static electricity or some other external factor. Turn the unit off and then back to ON. Alternatively, turn the unit off, disconnect the AC mains lead, and then reconnect it.<br>• Condensation has formed: Wait 1 to 2 hours for it to evaporate. |
| **No response when remote control buttons pressed.** | • Check that the batteries are installed correctly. **(8)**<br>• The batteries are depleted: Replace them with new ones. **(8)**<br>• Point the remote control at the remote control sensor and operate. **(9)** |
| **No picture or sound.** | • Check the video or audio connection. **(6 to 8)**<br>• Check the power or input setting of the connected equipment. |
| **You have forgotten your ratings password.** Reset all the settings to Factory Preset. | • While stopped, remove the disc, and then press and hold [▶] (PLAY) and [■] on the unit and then also press and hold [⏻/I] on the unit until “INITIALIZED” disappears from the television. Turn the unit off and on again. All settings will return to the default values. |

## Specific operation impossible or incorrect

| | |
|---|---|
| **It takes time before play starts.** MP3 DivX | • Play may take time to begin when an MP3 track has still picture data. Even after the track starts, the correct play time will not be displayed, however this is normal.<br>• This is normal on DivX video. |
| **The program functions do not work.** | • These functions do not work with some DVD-Videos. |
| **Menu doesn’t appear.** VCD with playback control | • Press [■] twice and then press [▶] (PLAY). |
| **Play doesn’t start.** | • If a disc contains CD-DA and other formats, proper playback may not be possible.<br>• This unit may not play WMA and MPEG4 that contains still picture data.<br>• If playing DivX VOD content, refer to the home page where you purchased it. (Example: www.divx.com/vod) |
| **No subtitles.** | • Display the subtitles. **(13)** |
| **In A-B Repeat, point B is automatically set.** | • The end of an item becomes point B when it is reached. |
| **Repeat play is automatically canceled.** | • A-B Repeat is canceled when you press [QUICK REPLAY].<br>• Repeat play may be canceled when you press [MANUAL SKIP]. |

## Progressive video

| | |
|---|---|
| **There is ghosting when progressive or HDMI output is on.** | • This problem is caused by the editing method or material used on DVD-Video, but should be corrected if you use interlace output. Change “VIDEO OUT (I/P)” in “VIDEO” menu to “INTERLACE”. **(18)** |
| **Pictures not in progressive output.** | • If the unit is connected to the television through VIDEO OUT, S VIDEO OUT, or AV terminal, output will be interlace. |





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## Picture incorrect

| | |
|---|---|
| **Picture distorted.** | • Ensure that the unit is not connected through a video cassette recorder. **(6)**<br>• Make sure that progressive output has not been selected when the connected television is not progressive compatible. Press and hold [RETURN] until the picture displays correctly. The settings will return to “INTERLACE”.<br>• DivX Change “SOURCE SELECT” in On-Screen Menu 2. **(16)** |
| **Picture size doesn’t fit the screen.** | • Change “TV ASPECT” in “VIDEO” menu. **(18)**<br>• Use the television to change the aspect. If your television does not have that function, change “TV ASPECT”. **(18)**<br>• Change the zoom setting. **(14)** |
| **Picture stops.** | • Picture may stop if the DivX files are greater than 2GB. |
| **The television may display incorrectly or colours appear faded.** | • The unit and television are using different video systems. Use a multi-system or PAL television.<br>• The system used on the disc doesn’t match your television.<br>–PAL discs cannot be correctly viewed on an NTSC television.<br>–This unit can convert NTSC signals to PAL60 for viewing on a PAL television (“NTSC DISC OUTPUT” in “VIDEO” menu). **(18)**<br>• Connect to a progressive output compatible television to enjoy progressive video.<br>• Picture may not be seen when more than 4 devices are connected with HDMI cables. Reduce the number of connected devices. |
| **Menu not displayed correctly.** | • Restore the zoom ratio to “NORMAL”. **(14)**<br>• Change “TV ASPECT” in “VIDEO” menu. **(18)** |

## Sound incorrect

| | |
|---|---|
| **Sound distorted.** | • Set Advanced surround to “OFF”. **(13)**<br>• Noise may occur when playing WMA files.<br>• With HDMI AV OUT connections, audio may not be output from other terminals in the way that was set. |
| **No sound.** | • Turn the volume up.<br>• DivX Audio may not be output due to how files were created.<br>• Audio may not be heard when more than 4 devices are connected with HDMI cables. Reduce the number of connected devices.<br>• When using the HDMI connection, ensure that “AUDIO OUT” in the “HDMI” menu is set to “ON”. |
| **Piercing noise comes from the speakers.** | • If you have connected a digital amplifier which does not include decoder, be sure to select “PCM” in “DOLBY DIGITAL”, “DTS” or “MPEG” in “AUDIO” menu. **(19)** |
| **Effects do not work.** | • None of the audio effects work when the unit is outputting bitstream signals from the COAXIAL or HDMI AV OUT terminal. **(7, 8)**<br>• Some audio effects do not work or have less effect with some discs.<br>• Advanced surround and Re-master do not work if you have changed the play speed. |

## Recording

| | |
|---|---|
| **Cannot record to digital recording equipment. (Incorrect sound recorded.)** | • You cannot record WMA/MP3.<br>• You cannot record DVDs that have protection preventing digital recording.<br>• You cannot record DVDs if the recording equipment cannot handle signals with a sampling frequency of 48 kHz.<br>• Make the following settings:<br>– ADVANCED SURROUND: OFF **(13)**<br>– PCM OUTPUT: UP TO 48kHz **(19)**<br>– DOLBY DIGITAL/ DTS: PCM **(19)** |



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## Unit displays

| | |
|---|---|
| H□□<br>The number following “H” depends on the status of the unit. | • Trouble may have occurred. Turn the unit off and then back to ON. Alternatively, turn the unit off, disconnect the AC mains lead, and then reconnect it.<br>• If the service numbers fail to clear, note the service number and contact a qualified service person. |
| noPLAY | • You inserted a disc the unit cannot play; insert one it can. **(4)**<br>• You inserted a blank disc.<br>• You inserted a disc that has not been finalized. **(4)** |
| nodISC | • You haven’t inserted a disc: Insert one.<br>• You haven’t inserted the disc correctly: Insert it correctly. **(9)** |
| U11 | • The disc may be dirty. **(5)**<br>• You haven’t inserted the disc correctly: Insert it correctly. **(9)** |
| U70-1 | • The connected equipment is not HDMI-compatible. |
| U70-2<br>U70-3 | • The HDMI connection acts unusually.<br>– The connected equipment is not HDMI-compatible.<br>– The HDMI cable is too long.<br>– The HDMI cable is damaged. |

## Television displays

| | |
|---|---|
| **“ERR H □□”**<br>□□ stands for a number. | • Trouble may have occurred. The number following “ERR H” depends on the status of the unit. Turn the unit off and then back to ON. Alternatively, turn the unit off, disconnect the AC power supply cord, and then reconnect it.<br>• If the service numbers fail to clear, note the service number and contact a qualified service person. |
| **“ERR U11”** | • The disc may be dirty. **(5)**<br>• You haven’t inserted the disc correctly: Insert it correctly. **(9)** |
| **“⃠”** | • The operation is prohibited by the unit or disc. |
| **“NO DISC”** | • You haven’t inserted a disc: Insert one.<br>• You haven’t inserted the disc correctly: Insert it correctly. **(9)** |
| **“CANNOT PLAY AUDIO”**<br>**“NO AUDIO”** | • Audio has not been recorded, or recorded in a format this unit cannot playback. Video playback only is possible. **(5)** |
| **“THIS DISC MAY NOT BE PLAYED IN YOUR REGION.”** | • You can only play DVD-Video if their region number is the same or includes the same region number as the unit or if the DVD-Video is marked “ALL”. Confirm the region number for the unit on the rear panel. **(Cover)** |
| **“THIS TYPE OF DISC CANNOT BE PLAYED. PLEASE INSERT A DIFFERENT DISC.”** | • You inserted a disc that has not been finalized. **(4)**<br>• You inserted a disc the unit cannot play; insert one it can. **(4)**<br>• You inserted a blank disc. |
| **“AUTHORIZATION ERROR THIS PLAYER IS NOT AUTHORIZED TO PLAY THIS VIDEO.”**<br>DivX | • You are trying to play the DivX VOD content that was purchased with a different registration code. You cannot play the content on this unit. **(24)** |
| **“RENTAL EXPIRED”**<br>DivX | • The DivX VOD content has zero remaining plays. You cannot play it. **(24)** |

# About DivX VOD contents

DivX Video-on-Demand (VOD) content is encrypted for copyright protection. In order to play DivX VOD content on this unit, you first need to register the unit.
Follow the online instructions for purchasing DivX VOD content to enter the unit’s registration code and register the unit. For more information about DivX VOD, visit www.divx.com/vod.

**Display the unit’s registration code**
(➔ page 19, “REGISTRATION” in “OTHERS” menu)

8 alphanumeric characters

- We recommend that you make a note of this code for future reference.
- After playing DivX VOD content for the first time, another registration code is then displayed in “REGISTRATION”. Do not use this registration code to purchase DivX VOD content. If you use this code to purchase DivX VOD content, and then play the content on this unit, you will no longer be able to play any content that you purchased using the previous code.
- If you purchase DivX VOD content using a registration code different from this unit’s code, you will not be able to play this content. (“AUTHORIZATION ERROR” is displayed.)

**Regarding DivX content that can only be played a set number of times**
Some DivX VOD content can only be played a set number of times. When you play this content, the remaining number of plays is displayed. You cannot play this content when the number of remaining plays is zero. (“RENTAL EXPIRED” is displayed.)

When playing this content
- The number of remaining plays is reduced by one if
  – you press [⏻] or [SETUP].
  – you press [■]. (Press [❚❚] to stop play.)
  – you press [⏮ ⏭] or [◀◀ ▶▶] etc. and arrive at another content or the start of the content being played.
- Resume (➔ page 9, Stop) function does not work.

# VIERA Link “HDAVI Control™”

**VIERA Link “HDAVI Control”**
VIERA Link “HDAVI Control” is a convenient function that offers linked operations of this unit, and a Panasonic television (VIERA) or receiver under VIERA Link “HDAVI Control”. You can use this function by connecting the equipment with the HDMI cable. See the operating instructions for connected equipment for operational details.

- Connect your other VIERA Link “HDAVI Control” compatible equipment with an HDMI cable.
  (Cables that do not meet the HDMI specifications are not compatible with this feature. Use a Panasonic HDMI cable for best results.)
  Recommended part number:
  RP-CDHG15 (1.5 m), RP-CDHG30 (3.0 m), RP-CDHG50 (5.0 m), etc.
- Set the VIERA Link “HDAVI Control” operations on the connected equipment (e.g., television).
- Turn on all VIERA Link “HDAVI Control” compatible equipment, turn the television off and on, and then select this unit’s input channel on the connected television so that the VIERA Link “HDAVI Control” function works properly. Also when the connection or settings are changed, repeat this procedure.

## Automatic input switching

When play starts on the unit, the television input will automatically switch to the HDMI input mode and television displays the corresponding action.

## Power on link

When the television is off and play starts on the unit, the television will automatically turn on.
(Picture or sound may not be available for the first few seconds.)

## Power off link

All connected equipment compatible with VIERA Link “HDAVI Control” including this unit automatically turns off when you switch the television off.
- The unit automatically turns off even when the on-screen menus is displayed on the television. The unit automatically turns off while in playback.
- Only this unit turns off when you press the power button of the unit or the remote control for shutting it down. Other connected equipment compatible with VIERA Link “HDAVI Control” stay on.

**Note**
Not all 2007 DVD players are compatible with all the features of all the 2007 VIERA Link products.

# Specifications

**Signal system:** PAL 625/50, PAL 525/60, NTSC
**Operating temperature range:** ＋5 to＋35 ºC
**Operating humidity range:** 5 to 90 % RH (no condensation)
**Discs played [8 cm or 12 cm]:**
(1) DVD (DVD-Video, DivX*6, 7)
(2) DVD-R (DVD-Video, MP3*2, 7, JPEG*4, 7, DivX*6, 7, MPEG4*5, 7)
(3) DVD-R DL (DVD-Video)
(4) DVD-RW (DVD-Video, MPEG4*5, 7, DivX*6, 7, MP3*2, 7, JPEG*4, 7)
(5) +R/+RW (Video)
(6) +R DL (Video)
(7) CD, CD-R/RW (CD(CD-DA), Video CD, SVCD*1, MP3*2, 7, WMA*3, 7, JPEG*4, 7, MPEG4*5, 7, DivX*6, 7)

**Video output:**
Output level: 1 Vp-p (75 Ω)
Output terminal: Pin jack (1 system)/AV

**S-video output:**
Y output level: 1 Vp-p (75 Ω)
C output level: NTSC 0.286 Vp-p (75 Ω)
PAL 0.300 Vp-p (75 Ω)
Output terminal: S terminal (1 system)/AV

**Component video output:**
[NTSC: 525(480)p/525(480)i; PAL: 625(576)p/625(576)i]
Y output level: 1 Vp-p (75 Ω)
$P_B$ output level: 0.7 Vp-p (75 Ω)
$P_R$ output level: 0.7 Vp-p (75 Ω)
Output terminal: Pin jack (Y: green, $P_B$: blue, $P_R$: red) (1 system)

**RGB video output:**
R output level: 0.7 Vp-p (75 Ω)
G output level: 0.7 Vp-p (75 Ω)
B output level: 0.7 Vp-p (75 Ω)
Output terminal: AV

**Audio output:**
Output level: 2 Vrms (1 kHz, 0 dB)
Output terminal: Pin jack/AV
Number of terminals: 2 channel: 1 system

**Audio performance:**
Frequency response:
- DVD (linear audio): 4 Hz to 22 kHz (48 kHz sampling)
  4 Hz to 44 kHz (96 kHz sampling)
- CD-Audio: 4 Hz to 20 kHz

S/N ratio:
- CD-Audio: 115 dB

Dynamic range:
- DVD (linear audio): 100 dB
- CD-Audio: 98 dB

Total harmonic distortion:
- CD-Audio: 0.003 %

**Digital audio output:**
Coaxial digital output: Pin jack

**HDMI AV output** Type A Connector (19 pin)
CEC Ver.1.3a

**Pickup:**
Wave length: 653 nm/790 nm
Laser power: CLASS 1/CLASS 1M

**Power supply:** AC 230 to 240 V, 50 Hz
**Power consumption:** 10 W
**Power consumption in standby mode:** **approx. 1 W**
**Dimensions (W x D x H):** 430 mm x 231 mm x 43 mm (excluding protrusions)
430 mm x 239 mm x 43 mm (including protrusions)
**Mass:** approx. 2.0 kg

*1 Conforming to IEC62107
*2 MPEG-1 Layer 3, MPEG-2 Layer 3
*3 Windows Media Audio Ver.9.0 L3
Not compatible with Multiple Bit Rate (MBR)
*4 Exif Ver2.1 JPEG Baseline files
Picture resolution: between 160 × 120 and 6144 × 4096 pixels
(Sub sampling is 4:2:2 or 4:2:0)
*5 MPEG4 data recorded with the Panasonic SD multi cameras or DVD video recorders
Conforming to SD VIDEO specifications (ASF standard)/MPEG4 (Simple Profile) video system/G.726 audio system
*6 Plays all versions of DivX® video (including DivX®6) with standard playback of DivX® media files. Certified to the DivX Home Theater Profile.
GMC (Global Motion Compensation) is not supported.
*7 The total combined maximum number of recognizable audio, picture and video contents and groups: 4000 audio, picture and video contents and 256 groups.

**DivX**
DivX is a popular media technology created by DivX, Inc. DivX media files contain highly compressed video with high visual quality that maintains a relatively small file size.

**Down-mixing**
This is a process of remixing the multi-channel audio (surround sound) on some discs into two channels. When you want to listen to the audio on a DVD with a 5.1 channel digital surround track through your television speakers, the down-mixed audio will be output.

**Film and video**
DVD-Videos are recorded using either film or video. This unit can determine which type has been used, then uses the most suitable method of progressive output.

Film: Recorded at 25 frames per second (PAL discs) or 24 frames per second (NTSC discs). (NTSC discs recorded at 30 frames per second as well). Generally appropriate for motion picture films.
Video: Recorded at 25 frames/50 fields per second (PAL discs) or 30 frames/60 fields per second (NTSC discs). Generally appropriate for TV drama programs or animation.

**HDMI (High-Definition Multimedia Interface)**
HDMI is a next-generation digital interface for consumer electronic products. Unlike conventional connections, it transmits uncompressed digital video and audio signals on a single cable. This unit supports high-definition video output (1080i) from HDMI AV OUT terminal. To enjoy high-definition video a high definition compatible television is required.

**MPEG4**
A compression system for use on mobile devices or a network, that allows highly efficient recording at a low bit rate.

**Sampling frequency**
Sampling is the process of converting the heights of sound wave (analog signal) samples taken at set periods into digits (digital encoding). Sampling frequency is the number of samples taken per second, so larger numbers mean more faithful reproduction of the original sound.

**Playback control (PBC)**
If a Video CD has playback control, you can select scenes and information with menus. (This unit is compatible with version 2.0 and 1.1.)

**Information on Disposal for Users of Waste Electrical & Electronic Equipment (private households)**

This symbol on the products and/or accompanying documents means that used electrical and electronic products should not be mixed with general household waste.
For proper treatment, recovery and recycling, please take these products to designated collection points, where they will be accepted on a free of charge basis. Alternatively, in some countries you may be able to return your products to your local retailer upon the purchase of an equivalent new product.
Disposing of this product correctly will help to save valuable resources and prevent any potential negative effects on human health and the environment which could otherwise arise from inappropriate waste handling. Please contact your local authority for further details of your nearest designated collection point.
Penalties may be applicable for incorrect disposal of this waste, in accordance with national legislation.

**For business users in the European Union**

If you wish to discard electrical and electronic equipment, please contact your dealer or supplier for further information.

**Information on Disposal in other Countries outside the European Union**

This symbol is only valid in the European Union.
If you wish to discard this product, please contact your local authorities or dealer and ask for the correct method of disposal.

## CAUTION!

**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.**
**DO NOT OPEN COVERS AND DO NOT REPAIR YOURSELF. REFER SERVICING TO QUALIFIED PERSONNEL.**

## WARNING:

**TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK OR PRODUCT DAMAGE,**

- **DO NOT EXPOSE THIS APPARATUS TO RAIN, MOISTURE, DRIPPING OR SPLASHING AND THAT NO OBJECTS FILLED WITH LIQUIDS, SUCH AS VASES, SHALL BE PLACED ON THE APPARATUS.**
- **USE ONLY THE RECOMMENDED ACCESSORIES.**
- **DO NOT REMOVE THE COVER (OR BACK); THERE ARE NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.**

## CAUTION!

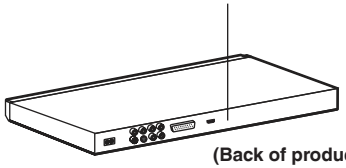
- **DO NOT INSTALL OR PLACE THIS UNIT IN A BOOKCASE, BUILT-IN CABINET OR IN ANOTHER CONFINED SPACE. ENSURE THE UNIT IS WELL VENTILATED. TO PREVENT RISK OF ELECTRIC SHOCK OR FIRE HAZARD DUE TO OVERHEATING, ENSURE THAT CURTAINS AND ANY OTHER MATERIALS DO NOT OBSTRUCT THE VENTILATION VENTS.**
- **DO NOT OBSTRUCT THE UNIT'S VENTILATION OPENINGS WITH NEWSPAPERS, TABLECLOTHS, CURTAINS, AND SIMILAR ITEMS.**
- **DO NOT PLACE SOURCES OF NAKED FLAMES, SUCH AS LIGHTED CANDLES, ON THE UNIT.**
- **DISPOSE OF BATTERIES IN AN ENVIRONMENTALLY FRIENDLY MANNER.**

This product may receive radio interference caused by mobile telephones during use. If such interference is apparent, please increase separation between the product and the mobile telephone.

The socket outlet shall be installed near the equipment and easily accessible.
The mains plug of the power supply cord shall remain readily operable.
To completely disconnect this apparatus from the AC Mains, disconnect the power supply cord plug from AC receptacle.

THIS UNIT IS INTENDED FOR USE IN MODERATE CLIMATES.

**(Inside of product)**



**(Back of product)**

## Main feature index (Reference pages are shown in parentheses.)

Displaying current playback condition **(13)**

Enjoys advanced surround **(13)**

Shows a disc top menu **(10)**

Shows On-Screen Menus **(15)**

Changes soundtracks **(14)**

Changes subtitles **(13)**

Program/random play **(11)**

Selects the method of progressive output conversion **(14)**

Changes the unit's display **(10)**

Changes picture mode **(13)**

Repeat play **(13)**

Changes play speed **(13)**

To make the dialogue in movies easier to hear **(14)**

Skips about 30 seconds forward **(14)**

Skips back about 10 seconds **(13)**

Shows a disc menu **(10)**

Changes angles or rotates **(14)**

Enter and exit Setup menu **(18)**

Reduces noise in pictures **(13)**

Changes the zoom ratio **(14)**

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