Panasonic®

Operating Instructions
DVD/CD PLAYER
Model No. **DVD-S295**

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:

Table of contents

Getting started

Operations

Reference

E GCA

RQT8127-B

Accessories

Use numbers when asking for replacement parts.
(Product numbers correct as of April 2005. These may be subject to change.)

⬇

☐ 1 Remote control   (EUR7631110R)

☐ 1 AC mains lead

☐ 1 Audio/video cable

☐ 2 Remote control batteries

Note

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

Safety precautions

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 center. 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.

Discs that can be played

Operations in these instructions are described mainly with formats. Icons such as `RAM` show the formats.

![DVD RAM 4.7 logo]	**DVD-RAM** `RAM` `JPEG` `MPEG4` `DivX` ● `RAM` Recorded with devices using Version 1.1 of the Video Recording Format (a unified video recording standard), such as DVD video recorders, DVD video cameras, personal computers, etc. ● `JPEG` Recorded with Panasonic SD multi cameras or DVD-Video recorders using the DCF (Design rule for Camera File system) Standard Version 1.0. ● `MPEG4` 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]. ● `DivX` Created using DivX ver.3.11, 4.x, 5.x [DivX video system/MP3, Dolby Digital or MPEG audio system].
![DVD VIDEO logos]	**DVD-Video** `DVD-V` —
![DVD R4.7 / RW logos]	**DVD-R (DVD-Video)/DVD-RW (DVD-Video)** `DVD-V` `DivX` ● `DVD-V` Discs recorded and finalized* on DVD video recorders or DVD video cameras ● `DivX` Created using DivX ver.3.11, 4.x, 5.x [DivX video system/MP3, Dolby Digital or MPEG audio system]. Finalize* the disc after recording.
	DVD-RW (DVD-VR) `DVD-RW (VR)` Discs recorded and finalized* on DVD video recorders or DVD video cameras using Version 1.1 of the Video Recording Format (a unified video recording standard).
—	**+R (Video)/+RW (Video)** `DVD-V` Discs recorded and finalized* on DVD video recorders or DVD video cameras
![COMPACT disc DIGITAL VIDEO / SUPER VIDEO logos]	**Video CD** `VCD` Including SVCD (Conforming to IEC62107)
![COMPACT disc DIGITAL AUDIO / TEXT logos]	**CD** `CD` `WMA` `MP3` `JPEG` `MPEG4` `DivX` `VCD` ● This unit can play CD-R/RW recorded with the above formats. Close the sessions or finalize* the disc after recording. ● `WMA` `MP3` `JPEG` This unit also plays HighMAT discs. ● `WMA` This unit is not compatible with Multiple Bit Rate (MBR: a file that contains the same content encoded at several different bit rates). ● `DivX` Created using DivX ver.3.11, 4.x, 5.x [DivX video system/MP3, Dolby Digital or MPEG audio system].

* A process that allows play on compatible equipment.
● 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).

∎ Discs that cannot be played
DVD-Audio, Version 1.0 of DVD-RW, DVD-ROM, CD-ROM, CDV, CD-G, SACD, Photo CD, DVD-RAM that cannot be removed from their cartridge, 2.6-GB and 5.2-GB DVD-RAM, and "Chaoji VCD" available on the market including CVD, DVCD and SVCD that do not conform to IEC62107.

∎ 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.

∎ 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.

■ Tips for making data discs

- If groups were created away from the root like "002 group" in the illustration below, the eighth one onwards is displayed on the same vertical line in the menu screen.
- There may be differences in the display order on the menu screen and computer screen.
- This unit cannot play files recorded using packet write.

DVD-RAM
- Discs must conform to UDF 2.0.

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.

Naming folders and files (Files are treated as contents 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).

`WMA` (Extension: ".WMA" or ".wma")
- Compatible compression rate: between 48 kbps and 320 kbps
- You cannot play WMA files that are copy protected.
- This unit is not compatible with Multiple Bit Rate (MBR: a file that contains the same content encoded at several different bit rates).

`MP3` (Extension: ".MP3" or ".mp3")
- Compatible compression rate: between 32 kbps and 320 kbps
- This unit is not compatible with ID3 tags.

`JPEG` (Extension: ".JPG", ".jpg", ".JPEG" or ".jpeg")
- JPEG files taken on a digital camera that conforms to DCF Standard Version 1.0 are displayed.
– Files that have been altered, edited or saved with computer picture editing software may not be displayed.
- 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` (Extension: ".ASF" or ".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.
- The recording date may differ from that of the actual date.

`DivX` (Extension: ".DIVX", ".divx", ".AVI" or ".avi")
- You can play DivX data created using ver.3.11, 4.x, 5.x [DivX video system/MP3, Dolby Digital or MPEG audio system].
- GMC (Global Motion Compensation) is not supported.
- DivX files greater than 2GB or have no index may not play properly on this unit.
- This unit supports all resolutions up to maximum of 720 ×480 (NTSC)/720 ×576 (PAL).
- You can select up to 8 types of audio and subtitles on this unit.

e.g. MP3

root
001 group
- 001 track.mp3
- 002 track.mp3
- 003 track.mp3
002 group
- 001 track.mp3
- 002 track.mp3
003 group
- 001 track.mp3
- 002 track.mp3
- 003 track.mp3
- 004 track.mp3
- 001 track.mp3
- 002 track.mp3
- 003 track.mp3
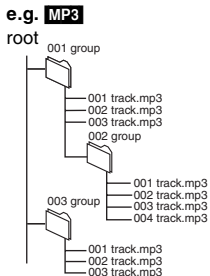
■ About DivX VOD content

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 on line 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

8 alphanumeric characters
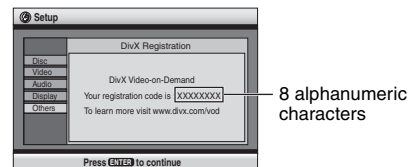
- We recommend that you make a note of this code for future reference.
- After playing DivX VOD content for the first time, another registration code is then displayed in "DivX Registration". Do not use this registration code to purchase DivX VOD content. If you use this code to purchase DivX VOD content, 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. ("Rented Movie Expired" is displayed.)

When playing this content
- The number of remaining plays is reduced by one if
 –you press [⏻] or [SETUP].
 –you press [■] (STOP). [Press [❚❚] (PAUSE) to stop play.]
 –you press [|◀◀ ▶▶|] (SKIP) or [◀◀ ▶▶] (SEARCH) etc. and arrive at another content or the start of the content being played.
- Resume (➔ page 8, Stop) and Marker (➔ page 16, Play Menu) functions do not work.

STEP 1 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.
- Unless otherwise indicated, illustrations are of the models for the Middle East and South Africa.
- (Continental Europe :There is no S VIDEO OUT terminal on the unit.)

Television

With VIDEO IN or S VIDEO IN

AUDIO IN R L | VIDEO IN | or | S VIDEO IN

S video cable※
Audio/video cable (included)
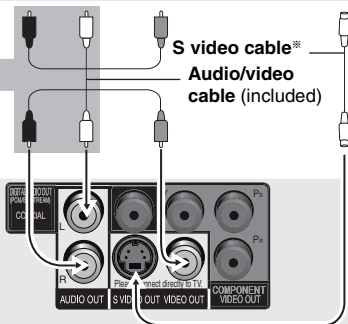
※When using this connection, the audio cable (red and white plugs) should also be connected.

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

Audio/video cable (included) | Not used | Video cables
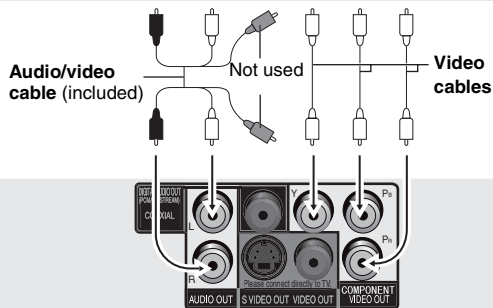
To enjoy progressive video
Connect to a progressive output compatible television.
① Continental Europe
Select "Video/YPbPr" for the component terminals in QUICK SETUP (➜ page 7).
② Set "Video Output Mode" to "xxxp", then follow the instructions on the menu screen (➜ page 17, Picture Menu).

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

Continental Europe
With SCART (AV) IN

SCART (AV) IN

21-pin SCART cable
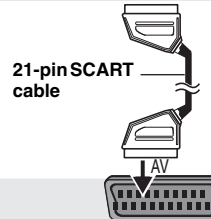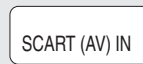
- If the television is compatible with S-video, select "S-Video/YPbPr", or compatible with RGB, select "RGB/No Output" for the AV terminals in QUICK SETUP (➜ page 7).

Back of the unit

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■ Enjoying multi-channel surround sound

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

Coaxial cable

COAXIAL IN
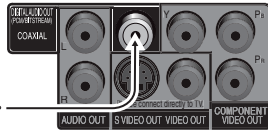
Change "PCM Digital Output", "Dolby Digital", "DTS Digital Surround" and "MPEG" (➜ page 19, "Audio" tab).

■ Connect the AC mains lead last

To household mains socket

AC mains lead (included)
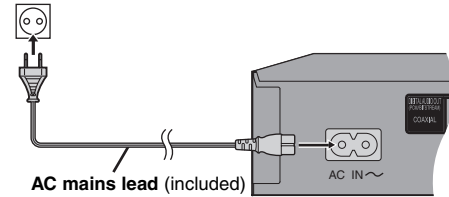
STEP 2 The remote control

■ Batteries

R6/LR6, AA
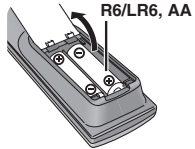
● Insert so the poles (+ and −) match those in the remote control.
● Do not use rechargeable type batteries.
Do not:
● mix old and new batteries.
● use different types at the same time.
● heat or expose to flame.
● take apart or short circuit.
● attempt to recharge alkaline or manganese batteries.
● 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 8), 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	2	3	4	5
⏻	SETUP	RETURN / ENTER	ENTER	SETUP
Power ON.	Shows QUICK SETUP screen.	Follow the message and make the settings.	Press to finish QUICK SETUP.	Press to exit.

To change these settings later
Select "QUICK SETUP" (➜ page 19, "Others" tab).

Basic play

❶Power ON.

☼/I

❷Open the disc tray.

⏏ OPEN/CLOSE ◯

Stop   Pause
■   ∥
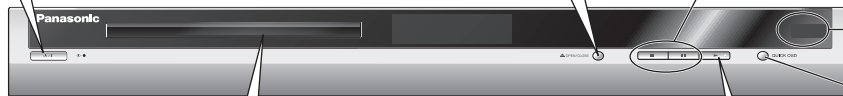
Remote control sensor

Displaying current playback condition ➜ page 10

◯ QUICK OSD
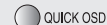
❸Load the disc.

- Load double-sided discs so the label for the side you want to play is facing up.
- RAM Remove discs from their cartridges before use.
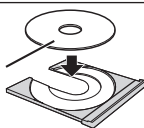
❹Start play.

▶ ○

Repeat play
- Select "Repeat" or "A-B Repeat" (➜ page 16, Play Menu).

Skip
- RAM DVD-RW (VR) Can also skip to the markers.

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.

Stop
The position is memorized when "▷" flashes on the display.
- Press [▶] (PLAY) to resume.
- Press [■] to clear the position.
- Even after the unit is turned off, the position is memorized (Normal playback only).

Pause
- Press [▶] (PLAY) to restart play.

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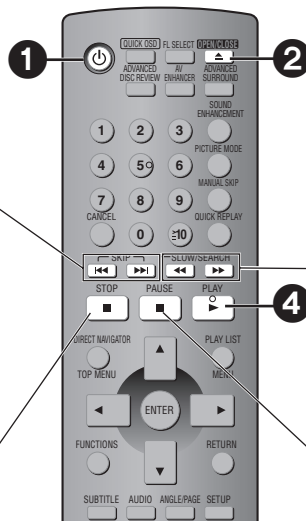
Standby/on switch (⏻/I)

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.

- To play JPEG, MPEG4 or DivX video contents on DVD-RAM that contain both `RAM` and another format (e.g. `JPEG`), select "Play as Data Disc" (➜ page 17, Other Menu).
- 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 20, 21).

DivX

A video compression format developed by DivXNetworks, Inc. that compresses video files without any considerable loss of video quality.

MPEG4

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

Group skip
`WMA` `MP3` `JPEG` `MPEG4` `DivX`

- Does not work while paused.

Frame-by-frame
(during pause)
`RAM` `DVD-RW (VR)` `DVD-V` `VCD`

- `VCD` forward direction only

On-screen item select

Select
Register

Return to previous screen

RETURN

Enter number
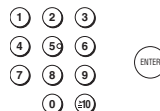
`RAM` `DVD-RW (VR)` `DVD-V` `VCD` `CD`
e.g. To select 12: [≧10] ➜ [1] ➜ [2]

`WMA` `MP3` `JPEG` `MPEG4` `DivX`
e.g. To select 123: [1] ➜ [2] ➜ [3] ➜ [ENTER]

Disc menu

DIRECT NAVIGATOR
TOP MENU

`DVD-V`
Shows a disc top menu.
`RAM` `DVD-RW (VR)`
Plays the programs (➜ page 15).

PLAY LIST
MENU

`DVD-V`
Shows a disc menu.
`RAM` `DVD-RW (VR)`
Plays a play list (➜ page 15).

RETURN

`VCD` with playback control
Shows a disc menu.

Main unit display

FL SELECT

Number display
↑ ↓
Time display

Information screen
`JPEG`

SUBTITLE

Convenient functions

QUICK OSD ○ QUICK OSD (Main unit)	**Displaying current playback condition (Quick On Screen Display)**

Press [QUICK OSD].

Basics ⟶ Details
↑⎯ Off ⟵⎯

■ Basics

e.g. DVD-V

Current playback number   Elapsed play time

Title **1**   Chapter **1**   Time **0 : 00 : 22**

Playback condition ⟶

Program Playback

Play mode   Current position

■ Details

e.g. DVD-V

● Details-DVD-Video

See page 12 for changing soundtracks ⎯ Audio   1 --- DTS 3/2.1ch
See page 12 for changing subtitles ⎯ Subtitle   – ---
See page 11, Angle select for changing angles ⎯ Angle   1/1
Aspect of current playback title ⎯ Source Aspect 4:3
Total play time of current playback title ⎯ Title Total Time 0:54:28

● MPEG4 DivX Video and audio information is not displayed during search.

ADVANCED DISC REVIEW	**Reviewing titles/programs to play (Advanced Disc Review)** RAM DVD-RW (VR) (Except still picture part) DVD-V (Except +R/+RW) (Normal playback only)

1 Press [ADVANCED DISC REVIEW].

2 Press [▶] (PLAY) when you find a title/program to play.

Title **1**   Chapter **1**   Time **0 : 00 : 22**
▶---▶

● You can also review each 10 minutes. Select "Interval Mode" (➔ page 18, "Advanced Disc Review" in "Disc" tab).
● This may not work depending on the play position.
● RAM DVD-RW (VR) This does not work when playing a play list (➔ page 15).

AV ENHANCER	**Recalling recommended audio/video setting (AV Enhancer)**

By pressing just one button the disc type is automatically determined and the best audio and video settings are configured.

Press [AV ENHANCER] to select "On".
● This may not work depending on the discs recording.

☑ Functions

AV Enhancer On

When AV Enhancer is on, you cannot change the individual settings indicated below.
Audio settings:
Advanced Surround (➔ page 11), Sound Enhancement (➔ below),
Dialogue Enhancer (➔ page 17)
Video settings:
Picture Mode (➔ page 11)

SOUND ENHANCEMENT ○	**Enjoying clear sound (Sound Enhancement)** RAM DVD-RW (VR) DVD-V VCD CD WMA MP3

You can enjoy clear sound by adding higher frequency signals not recorded on the disc.

Press [SOUND ENHANCEMENT] to select "On".
● This does not work when Advanced Surround (➔ page 11) is on.
● This may not work depending on the discs recording.

☑ Functions

Sound Enhancement   On

ADVANCED SURROUND

Enjoying virtual surround (Advanced Surround)
`RAM` `DVD-RW (VR)` `DVD-V` `VCD` (2 or more channels)

Press [ADVANCED SURROUND] to select "SP 1", "SP 2", "HP 1" or "HP 2".

SP (Speaker) 1 Natural	**SP 2 Enhanced**
HP (Headphone) 1 Natural	**HP 2 Enhanced Off**

✓ Functions
Advanced Surround   SP 1

- When using discs recorded with surround sound, sound seems to come from speakers on either side of you.
- When using headphones from the connected equipment, select "HP 1" or "HP 2".
- 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.

PICTURE MODE

Picture Mode `RAM` `DVD-RW (VR)` `DVD-V` `VCD` `JPEG` `MPEG4` `DivX`

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

✓ Functions
Picture Mode   Normal

Normal:	Normal images
Cinema1:	Mellows images and enhances detail in dark scenes.
Cinema2:	Sharpens images and enhances detail in dark scenes.
Animation:	Suitable for animation
Dynamic:	Enhances the contrast for powerful images.

MANUAL SKIP

Skipping 30 seconds forward `RAM` `DVD-RW (VR)`
`DVD-V` (Except +R/+RW) (Normal playback only)

Convenient when you want to skip commercials etc.
During play, press [MANUAL SKIP].

- This may not work depending on the play position.

PLAY SPEED

Changing play speed `RAM` `DVD-RW (VR)` `DVD-V`

During play, press [PLAY SPEED] to select "Fast", "Normal" or "Slow".

✓ Functions	
Play Speed ◄ x1.4	Normal
	✓Fast
	Slow

Fine adjustments
While the menu is displayed
Press [◄ ►] to increase or decrease the playing 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) and Sound Enhancement (➜ page 10) do not work.
  – Digital output switches to PCM-2ch.
  – 96 kHz sampling frequency is converted to 48 kHz.
- This may not work depending on the disc's recording.

GROUP

Starting play from a selected group
`WMA` `MP3` `JPEG` `MPEG4` `DivX`

A folder on WMA/MP3, JPEG, MPEG4 and DivX video discs is treated as a "Group".

1. **Press [GROUP].**
2. **Press [▲ ▼] or the numbered buttons to select a group and press [ENTER].**

✓ Functions
Group Search ⬍1

ANGLE/PAGE

Angle select `DVD-V` (with multiple angles)
Still picture rotation `JPEG`

Press [ANGLE/PAGE] to select the angle or rotate the still picture.

e.g. `DVD-V`

✓ Functions
Angle   1/4

Convenient functions

Convenient functions

AUDIO	**Changing soundtracks**
	`DVD-V` `DivX` (with multiple soundtracks)
	`RAM` `DVD-RW (VR)` `VCD`

Press [AUDIO] to select the soundtrack.

`RAM` `DVD-RW (VR)` `VCD`
You can use this button to select "L", "R" or "LR".

`DivX`
While the menu is displayed
Press [◄ ►] to select "L", "R" or "LR".

`DVD-V` (Karaoke discs)
While the menu is displayed
Press [◄ ►] to select "On" or "Off" of vocals. Read the disc's instructions for details.

✓ **Functions**
Audio   1

Signal type/data
LPCM/⃝⃝ Digital/DTS/MP3/MPEG: Signal type
kHz (Sampling frequency)/bit/ch (Number of channels)
Example: 3/2 .1ch

- .1: Low frequency effect
  (not displayed if there is no signal)
- 0: No surround
- 1: Mono surround
- 2: Stereo surround (left/right)
- 1: Center
- 2: Front left+Front right
- 3: Front left+Front right+Center
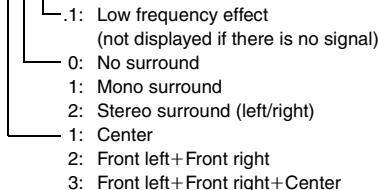
● `DivX` It may take some time for play to start if you change the audio on a DivX video disc.

SUBTITLE	**Changing subtitles** `DVD-V` `DivX` (with subtitles)
	`VCD` (SVCD with subtitles only) `RAM` `DVD-RW (VR)` (On/Off only with discs that contain subtitle on/off information)

`DVD-V` `VCD` `DivX`
Press [SUBTITLE] to select the subtitle language.
● On +R/+RW, a subtitle number may be shown for subtitles that are not displayed.
To clear/display the subtitles
Press [◄ ►] to select "On" or "Off".

✓ **Functions**
Subtitle   ◄ Off ►

`RAM` `DVD-RW (VR)`
Press [SUBTITLE] to select "On" or "Off".
● Subtitle on/off information cannot be recorded using Panasonic DVD Recorders.

ZOOM	**Zoom** `RAM` `DVD-RW (VR)` `DVD-V` `VCD` `MPEG4` `DivX`

This feature expands a letterbox picture to fit the screen.

Press [ZOOM] to select the preset aspect ratio or "Auto". (Just Fit Zoom)

`RAM` `DVD-RW (VR)` `DVD-V` `VCD`
Auto → 4:3 Standard → European Vista → 16:9 Standard
↑   ↓
Cinemascope2 ⟵ Cinemascope1 ⟵ American Vista

`MPEG4` `DivX`
Standard → Original
   ↑— Full ⟵

✓ **Functions**
Just Fit Zoom   ×1.00 ►

Fine adjustments (Manual Zoom)
Press [◄ ►] while the menu is displayed. (Press and hold to alter faster.)
–from ×1.00 to ×1.60 (in 0.01 units), from ×1.60 to ×2.00 (in 0.02 units)

`MPEG4` `DivX` only
–from ×2.00 to ×4.00 (in 0.05 units)
● It may not be possible to zoom up to ×4.00 depending upon the connected television and its settings.

QUICK REPLAY	**Quick replay** (Only when the elapsed play time can be displayed)
	(Except `MPEG4` `DivX` , +R/+RW)

Press [QUICK REPLAY] to skip back a few seconds.
● This may not work depending on the disc's recording.

Changing the play sequences

PLAY MODE | **Program/Random play**
`DVD-V` `VCD` `CD` `WMA` `MP3` `JPEG` `MPEG4` `DivX`

While stopped, press [PLAY MODE].

Program ⟶ Random ⟶ Off (Normal play)

- Disable HighMAT disc play to use random and program play. Select "Play as Data Disc" in Other Menu (➜ page 17).

■ Program play (up to 32 items)

1 Press the numbered buttons to select the items (➜ page 9, Enter number).
Repeat this step to program other items.

2 Press [▶] (PLAY).

e.g. `DVD-V`

Choose a title and chapter.

No.	Title	Chapter	Time	
1				Play
				Clear
				Clear all

Selecting all the items (on the disc or in the title or group)
Press [ENTER] and [▲ ▼] to select "ALL", then press [ENTER] again to register.
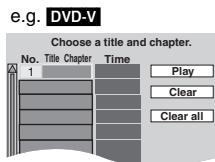
Changing the program
Press [▲ ▼] to select an item.
–To change an item, repeat step 1.
–To clear an item, press [CANCEL] (or select "Clear" and press [ENTER]).
- Press [ANGLE/PAGE] to skip page by page.

Clearing the whole program
Select "Clear all" and press [ENTER]. The whole program is also cleared when the unit is turned off or the disc tray is opened.

■ Random play

1 `DVD-V` `WMA` `MP3` `JPEG` `MPEG4` `DivX`
Press the numbered buttons to select a group or a title (➜ page 9, Enter number).

2 Press [▶] (PLAY).

e.g. `DVD-V`

Random Playback

Choose a title.
Title 1

▲▼ 0 – 9 to select   PLAY to start
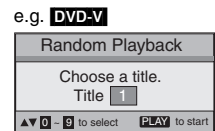
To exit the program or random mode
Press [PLAY MODE] several times while stopped.

Using navigation menus
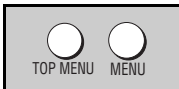
Playing data discs `WMA` `MP3` `JPEG` `MPEG4` `DivX`

Select "Play as Data Disc" (→ page 17, Other Menu) to play JPEG, MPEG4 or DivX video contents on DVD-RAM that contain both `RAM` and another format (e.g. `JPEG`) or to play HighMAT discs without using the HighMAT function.

Playing items in order (Playback Menu)

While the menu is displayed
Press [▲ ▼] to select
"All", "Audio", "Picture"
or "Video" and press
[ENTER].
● To display/exit the screen, press [TOP MENU].

All contents
WMA/MP3
JPEG
MPEG4 and DivX video

> ⦿ Playback Menu
> All — Total 436
> Audio — Total 7
> Picture — Total 427
> Video — Total 2
> ▲▼ to select and press [ENTER]
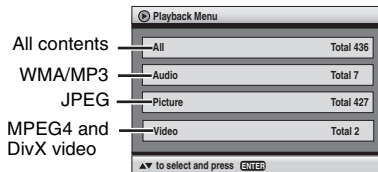
Playing from the selected item (Navigation Menu)

1 **Press [MENU].**
2 **Press [▲ ▼ ◄ ►] to select the group and press [ENTER].**
3 ●**To play content in the group in order**
   Press [ENTER].
   ●**To start play from the selected content**
   Press [▲ ▼] to select and press [ENTER].

Group and content number currently playing

⦿ Navigation Menu ▶ 5 ▶ 1 JPEG --:--
002 My favorite2\005 Japanese\001 Lady Starfish

Perfume
─001 My favorite1
─002 My favorite2
─001 Brazilian
─002 Chinese
─003 Czech
─004 Hungarian
─005 Japanese ◄
─006 Mexican
─007 Philippine
─008 Swedish
─009 Piano
─010 Vocal

001 Lady Starfish ◄
002 Metal Glue
003 Life on Jupiter
004 Starperson
005 Starperson

Group 005/023   Content 0001/0005

[FUNCTIONS] to display the sub menu   [RETURN] to exit

Group   Content

:JPEG
:WMA/MP3
:MPEG4 and DivX video

Number currently selected

● Press [ANGLE/PAGE] to skip page by page.
● **To listen to WMA/MP3 while showing a JPEG image on the screen**
  Select a JPEG first, and then select WMA/MP3.
  (The opposite order is not effective.)
● To exit the screen, press [MENU].

■ Using the submenu
1 **Press [MENU].**
2 **Press [FUNCTIONS].**
3 **Press [▲ ▼] to select an item and press [ENTER].**

✓Multi	Groups and content
List	Content only
Tree	Groups only
Thumbnail	Thumbnail images `JPEG`
Next group	To the next group
Previous group	To the previous group
All	WMA/MP3, JPEG, MPEG4 and DivX video
Audio	WMA/MP3 only
Picture	JPEG only
Video	MPEG4 and DivX video only
Help display	To switch between guide messages and the elapsed play time indicator
Find	To search by a content or group title (→ see below)

■ Searching by a content or group title
1 **Press [MENU].**
   ●Press [◄ ►] to highlight a group title to search a group, or a content title to search its content.
2 **Press [FUNCTIONS].**
3 **Press [▲ ▼] to select "Find" and press [ENTER].**
4 **Press [▲ ▼] to select a character and press [ENTER].**

✱ A   Find

   ● Repeat to enter another character.
   ● Lower case is also searched.
   ● Press [◄◄ ►►] to skip between A, E, I, O and U.
   ● Press [◄] to erase a character.
   ● Erase the asterisk (✱) to search for the titles starting with that character.
5 **Press [►] to select "Find" and press [ENTER].**
   The search result screen appears.
6 **Press [▲ ▼] to select the content or group and press [ENTER].**

MENU
Playing CD CD

Titles appear with CD text playback.

1 Press [MENU].

2 Press [▲ ▼] to select the track and press [ENTER].

≥Press [ANGLE/PAGE] to skip page by page.

≥To exit the screen, press [MENU].

e.g. CD text

○ CD Text   🎵 1/23   2:01

Disc Title: All By Artist
Disc Artist: Pink Island
Track Title: Long John Platinum
Track Artist: SHIPWRECKED

1 Ashley at Prom
2 City Penguin
3 Formula one
4 Soccer
5 Baseball
6 Neanderthal
7 Cartoons
8 Trilobites
9 White Dwarf
10 Discovery

▲▼ to select and press ENTER   RETURN to exit

Press [FUNCTIONS] to switch between guide messages and the elapsed play time indicator.

TOP MENU   MENU
Playing HighMAT™ discs WMA MP3 JPEG

While the menu is displayed
Press [▲ ▼ ◄ ►] to select then press [ENTER].

Menu:
Takes you to the next menu which shows play lists or another menu.

Play list:
Play starts.

≥To return to the menu screen, press [TOP MENU] then press [RETURN] several times.

≥To change the menu background, press [FUNCTIONS].
The background changes to the one recorded on the disc.

≥To display/exit the screen, press [TOP MENU].

Selecting from the list

1 During play, press [MENU].

2 Press [◄] then [▲ ▼] to switch among "Playlist", "Group" and "Content" lists.

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

≥Press [ANGLE/PAGE] to skip page by page.

≥To exit the screen, press [MENU].

○ Playlist   ● All By Artist   ● Pink Island

No.	Content title
1	Few times in summer
2	Less and less
3	And when I was born
4	Quatre gymnopedies
5	You've made me sad
6	I can't quit him
7	Evening glory
8	Wheeling spin
9	Velvet Cuppermine
10	Ziggy starfish

Playlist
Group
Content

▲▼◄► ⓪~⑨ to select   ENTER to play   RETURN to exit

DIRECT NAVIGATOR   PLAY LIST
Playing RAM/DVD-RW (DVD-VR) discs RAM DVD-RW (VR)

≥Titles appear only if you have entered them.
≥You cannot edit play lists and titles.

Playing the programs

1 Press [DIRECT NAVIGATOR].

2 Press [▲ ▼] or the numbered buttons to select the program.
≥Press [ANGLE/PAGE] to skip page by page.

≥**To select a 2-digit number**
e.g. 23: [≧10] ➜ [2] ➜ [3]

≥Press [►] to show the contents of the program.

3 Press [ENTER].

Direct Navigator

No.	Date	On	Title	Contents
1	11/ 1(WED)	0:05	Monday feature	►
2	1/ 1 (MON)	1:05	Auto action	►
3	2/ 2 (TUE)	2:21	Cinema	►
4	3/ 3 (WED)	3:37	Music	►
5	4/10(THU)	11:05	Baseball	►

▲▼ ⓪ ~ ⑨ to select   RETURN to exit
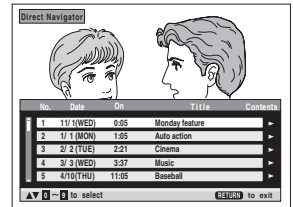
Playing a play list (Only when the disc contains a play list)
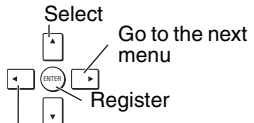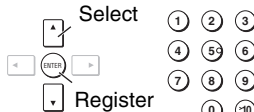
1 Press [PLAY LIST].

2 Press [▲ ▼] or the numbered buttons to select the play list.
≥Press [ANGLE/PAGE] to skip page by page.

≥**To select a 2-digit number**
e.g. 23: [≧10] ➜ [2] ➜ [3]

3 Press [ENTER].

○ Playlist

No.	Date	Total Time	Title	Contents
1	11/1	0:00:01	City Penguin	▷
2	1/1	0:01:20	Ashley at Prom	▷
3	2/2	1:10:04	Formula one	▷
4	3/3	0:10:20	Soccer	▷
5	4/10	0:00:01	Baseball	▷

▲▼ ⓪ ~ ⑨ to select and press ENTER   RETURN to exit

Playing a scene

1 Do steps 1–2 (➜ above, Playing a play list).

2 Press [►].

3 Press [▲ ▼] to select "Scene List" and press [ENTER].
≥Select "Contents" to show the contents of the program.

4 Press [▲ ▼ ◄►] to select a scene and press [ENTER].

Using navigation menus

Using On-Screen Menus

1

FUNCTIONS

Press.

2

Select

Go to the next menu

ENTER

Register

Return to the previous menu

Select the menu.

3

Select

ENTER

Register

① ② ③
④ ⑤ ⑥
⑦ ⑧ ⑨
⓪ ⑩

Make the settings.

4

RETURN

Press to exit.

Items shown differ depending on the type of software.

Main menus

Program, Group, Title Chapter, Track Playlist, Content	**To start from a specific item**
Time	**To skip incrementally or decrementally**∗ **(Time Slip for play only)** 1. Press [ENTER] twice to show Time Slip indicator. 2. Press [▲ ▼] to select the time and press [ENTER]. ●Press and hold [▲ ▼] to alter faster. **To start from a specific time**∗ **(Time Search)** **To change remaining/elapsed time display**
Video	**To display pixel number** `DivX` fps (frame per second) is also displayed.
Audio	**(→ page 12, Changing soundtracks)**
	To display the current bitrate or sampling frequency
Thumbnail	**To show thumbnail images**
Subtitle	**(→ page 12, Changing subtitles)**
Marker (VR)	**To recall a marker recorded on DVD-Video recorders**
Angle	**(→ page 11, Angle select)**
Rotate Picture	**(→ page 11, Still picture rotation)**
Slideshow	**To turn on/off slideshow** **To change the slideshow timing (0-30 sec)**
Other Settings	**(→ right)**

∗ Except +R/+RW

Other Settings

Play Speed	**(→ page 11, Changing play speed)**
AV Enhancer	**(→ page 10, Recalling recommended audio/video setting)**

■ Play Menu

(Only when the elapsed play time can be displayed, `JPEG` The Repeat and Marker functions can be used.)

Repeat	Select an item to be repeated.
A-B Repeat	**To repeat a specified section** Press [ENTER] at the starting and ending points. Press [ENTER] again to cancel. ● `RAM` `DVD-RW (VR)` (still picture part): Does not work.
Marker Except `RAM` `DVD-RW (VR)`	**To mark up to 5 positions to play again** Press [ENTER] (The unit is now ready to accept markers.) To mark a position: [ENTER] (at the desired point) To mark another position: [◄ ►] to select "∗"➜ [ENTER] To recall a marker: [◄ ►] ➜ [ENTER] To erase a marker: [◄ ►] ➜ [CANCEL] ● This feature doesn't work during program and random play. ● Markers you add clear when you open the disc tray or switch the unit to standby.
Advanced Disc Review	**(→ page 10, Reviewing titles/programs to play)**

■ Picture Menu

Picture Mode	**(➔ page 11, Picture Mode)**
Video Output Mode	*480p/525p/576p/625p (progressive) *480i/525i/576i/625i (interlace) When you select "xxx*p" **(progressive)** and a confirmation screen appears, select "Yes" only if connecting to a progressive output compatible television. *The numbers displayed depend on the geographical location and disc being played. One of the above numbers is displayed.
Transfer Mode	If you have chosen "xxx*p" **(progressive)** (➔ above), select the method of conversion for progressive output to suit the type of material. When playing PAL discs **Auto**:　Detects 25 frame-per-second film content and appropriately converts it. **Video**:　Select when using Auto, and the video content is distorted. When playing NTSC discs **Auto1** (normal): Detects 24 frame-per-second film content and appropriately converts it. **Auto2**:　Compatible with 30 frame-per-second film content in addition to 24 frame-per-second film content. **Video**:　Select when using Auto1 and Auto2, and the video content is distorted.
Source Select	When you select "Auto" the constructing method of the DivX contents is automatically distinguished and output. If the picture is distorted, select "I (Interlace)" or "P (Progressive)" depending on which constructing method was used when the contents were recorded to disc. **Auto** **I (Interlace)** **P (Progressive)**

■ Audio Menu

Advanced Surround	**(➔ page 11, Enjoying virtual surround)**
Dialogue Enhancer	**To make the dialogue in movies easier to hear** `DVD-V` (Dolby Digital, DTS, MPEG, 3-channel or over, with the dialogue recorded in the center channel) `DivX` (Dolby Digital, 3-channel or over, with the dialogue recorded in the center channel) **On ⟷ Off**
Sound Enhancement	**(➔ page 10, Enjoying clear sound)**
Attenuator	**With AUDIO OUT connections (➔ page 6)** Switch on if sound is distorted. **On ⟷ Off**

■ Display Menu

Information	**On ⟷ Off**
Subtitle Position	**0 to −60 (in 2 units)**
Subtitle Brightness	**Auto, 0 to −7**
4:3 Aspect	**To select how to show images made for 4:3 aspect screens on a 16:9 aspect television** **Normal**: Laterally stretches images. **Auto**:　The standard setting is "Shrink". However this automatically changes to "Zoom" with a letterbox picture. **Shrink**: Images appear in the center of the screen. **Zoom**:　Expands to 4:3 aspect ratio.
Just Fit Zoom	**(➔ page 12, Zoom)**
Manual Zoom	**(➔ page 12, Zoom)**
GUI See-through	**Off, On, Auto**
GUI Brightness	**−3 to +3**
Quick OSD	**(➔ page 10, Displaying current playback condition)**

■ Other Menu

Setup	**(➔ page 18, Changing the player settings)**
Play as DVD-VR Play as HighMAT or Play as Data Disc	Select "Play as Data Disc" to play JPEG, MPEG4 or DivX video contents on DVD-RAM that contain both `RAM` and another format (e.g. `JPEG`) or to play HighMAT discs without using the HighMAT function.

Using On-Screen Menus

Changing the player settings
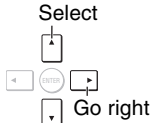
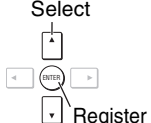| 1	2	3	4	5
SETUP	Select / Go right	Select / Register	Select / Register	SETUP
Shows Setup menu.	Select the tab.	Select the item.	Make the settings.	Press to exit.

- 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" tab

Audio Choose the audio language.	**English** (Language options)[1] **Original**[2] **Other✳✳✳✳**[3]
Subtitle Choose the subtitle language.	**Automatic**[4] **English** (Language options)[1] **Other✳✳✳✳**[3]
Menus Choose the language for disc menus.	**English** (Language options)[1] **Other✳✳✳✳**[3] - Changing the menu language from QUICK SETUP also changes this setting.
Advanced Disc Review Select how to review (→ page 10).	**Intro Mode**: Reviews each title/program. **Interval Mode**: Reviews each 10 minutes.
Ratings Set a ratings level to limit DVD-Video play. - Follow the on-screen instructions.	Setting ratings (When level 8 is selected) **8 No Limit 1 to 7** **0 Lock All**: To prevent play of discs without ratings levels. When setting a ratings level, a password screen is shown. Follow the on-screen instructions. **Do not forget your password.** A message screen will be shown if a DVD-Video exceeding the ratings level is inserted in the unit. Follow the on-screen instructions.

■ "Video" tab

TV Aspect Choose the setting to suit your television and preference.	**4:3 Pan&Scan**: Regular aspect television (4:3) The sides of the widescreen picture are cut off so it fills the screen (unless prohibited by the disc). **4:3 Letterbox**: Regular aspect television (4:3) Widescreen picture is shown in the letterbox style.	
	16:9: Widescreen television (16:9)	
TV Type Select to suit the type of television.	**Standard (Direct View TV)** CRT Projector **LCD TV/Projector** Projection TV **Plasma TV**	
Time Delay When connected with an AV amplifier and Plasma display, adjust if you notice the audio is out of sync with the video.	**0ms** 20ms 40ms 60ms 80ms 100ms	
Video Out (AV/Component)[5] Choose the video signal format to be output from the SCART and COMPONENT VIDEO OUT terminals (→ page 6).	**Video/YPbPr** **S-Video/YPbPr** **RGB/No Output**	
Still Mode Specify the type of picture shown when paused.	**Automatic** **Field**: The picture is not blurred, but picture quality is lower. **Frame**: Overall quality is high, but the picture may appear blurred.	
NTSC Disc Output Choose PAL 60 or NTSC output when playing NTSC discs.	**PAL60**: NTSC discs can be viewed on PAL television. **NTSC**: Output signal from NTSC discs remains as NTSC.	
Picture/Video Output Choose the video signal format to be output for JPEG, MPEG4 and DivX video.	**Automatic** **PAL** **NTSC/PAL60**: Output will depend on "NTSC Disc Output" setting (→ above). - If picture output is not smooth during playback, change the setting.	

Changing the player settings

∎ **"Audio" tab**

PCM Digital 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 48 kHz:** When connected to equipment compatible with 44.1 or 48 kHz **Up to 96 kHz:** When connected to equipment compatible with 88.2 or 96 kHz ●Signals from copy-protected discs are converted to 48 or 44.1 kHz. ●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 connections (➜ page 7)	**Bitstream** 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 Digital Surround With COAXIAL connections (➜ page 7)	**Bitstream** PCM	
MPEG With COAXIAL connections (➜ page 7)	**PCM** Bitstream	
Dynamic Range Compression	**Off** **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)	

∎ **"Display" tab**

Menu Language	※5**English** **Français** **Deutsch** **Italiano** **Español** **Polski** **Svenska** **Nederlands** ※6**English** **Français** **Deutsch** **Italiano** **Español** **Português** **Русский** **Nederlands**
On-Screen Messages	**On** Off
Background during Play Select background during JPEG, MPEG4 and DivX video playback.	**Black** Grey

∎ **"Others" tab**

FL Dimmer Changes the brightness of the unit's display.	**Bright** Dim **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. **Off**
DivX Registration Displays the unit's registration code.	You need this registration code to purchase and play DivX Video-on-Demand (VOD) content. (➜ page 5, About DivX VOD content)
QUICK SETUP	**Yes** No
Re-initialise Setting This returns all values in the Setup menus to the default settings.	**Yes**: The password screen is shown if "Ratings" (➜ page 18) are set. Please enter the same password. After "INI" on the display disappears, turn the unit off and on again. **No**

※1 Language options
 Continental Europe :
 French, German, Italian, Spanish, Polish, Swedish and Dutch
 The Middle East and South Africa :
 French, German, Italian, Spanish, Portuguese, Russian and Dutch
※2 The original language designed on the disc is selected.
※3 Input a code number referring to the table (➜ page 23).
※4 If the language selected for "Audio" is not available, subtitles appear in that language (If available on the disc).
※5 Continental Europe
※6 The Middle East and South Africa

Troubleshooting guide

Before requesting service, make the following checks. If you are in doubt about some of the check points, or if the remedies 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. **(7)**
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)** ● 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. ● 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. **(7)** ● The batteries are depleted: Replace them with new ones. **(7)** ● Point the remote control at the remote control sensor and operate. **(8)**
No picture or sound.	● Check the video or audio connection. **(6, 7)** ● Check the power or input setting of the connected equipment. ● Check that the disc has something recorded on it.
You have forgotten your ratings password. Reset all the settings to Factory Preset.	● While stopped, press and hold [QUICK OSD] and [❚❚] on the unit and then also press and hold [▲OPEN/CLOSE] on the unit until "Initialised" 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.	● 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. **MP3** ● This is normal on DivX video. **DivX**
The program and random play functions do not work. **DVD-V**	● 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.	● This unit may not play WMA and MPEG4 that contains still picture data. **WMA** **MPEG4** ● If playing DivX VOD content, refer to the homepage where you purchased the DivX VOD content. (Example: www.divx.com/vod) **DivX** ● If a disc contains CD-DA (**CD**) and other formats, proper playback may not be possible.
Subtitle position is wrong.	● Adjust the position. ("Subtitle Position" in Display Menu) **(17)**
No subtitles.	● Display the subtitles. **(12)**
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]. ● Repeat play may be canceled when you press [MANUAL SKIP] or [ADVANCED DISC REVIEW].

Picture incorrect

Picture distorted.	● Ensure that the unit is not connected through a video cassette recorder. **(6)** ● Make sure that progressive output has not been selected when the connected television is not progressive compatible. Press and hold [CANCEL] until the picture displays correctly. The settings will return to "xxxi" (interlace). ● Change "Source Select" in Picture Menu. **DivX** (**17**)
Picture size doesn't fit the screen.	● Change "TV Aspect" in "Video" tab. **(18)** ● Use the television to change the aspect. If your television does not have that function, change "4:3 Aspect" in Display Menu. **(17)** ● Change the Zoom setting. **(12)**
Picture stops.	● Picture may stop if the DivX files are greater than 2GB. **DivX**
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. ● The system used on the disc doesn't match your television. –PAL discs cannot be correctly viewed on an NTSC television. –This unit can convert NTSC signals to PAL 60 for viewing on a PAL television ("NTSC Disc Output" in "Video" tab). **(18)**

Menu not displayed correctly.	≥ Restore the zoom ratio to ×1.00. **(12)** ≥ Set "Subtitle Position" in Display Menu to "0". **(17)** ≥ Set "4:3 Aspect" in Display Menu to "Normal". **(17)**
Auto zoom function does not work well.	≥ Turn off TV's zoom function. ≥ Use the other preset aspect ratios or manual adjustment. **(12)** ≥ Zoom function may not work well, especially in dark scenes and may not work depending on the type of disc.

Progressive video

There is ghosting when progressive 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 Output Mode" in Picture Menu to "xxxi" (interlace). **(17)**
Pictures not in progressive output.	≥ If the unit is connected to the television through VIDEO OUT or S VIDEO OUT※, output will be interlace.

Sound incorrect

Sound distorted.	≥ Select "Off" in "Advanced Surround". **(11)** ≥ Select "On" in "Attenuator" in Audio Menu if it causes distortion with AUDIO OUT connections. **(17)**
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 Digital Surround" or "MPEG" in "Audio" tab. **(19)**
Effects do not work.	≥ None of the audio effects work when the unit is outputting bitstream signals from the COAXIAL terminal. **(7)** ≥ Some audio effects do not work or have less effect with some discs. ≥ Advanced Surround and Sound Enhancement do not work if you have changed the play speed.
No sound	≥ There may be a pause in sound when you change the play speed. ≥ Audio may not be output due to how files were created. **DivX** **(5)**

Recording

Cannot record to digital recording equipment. (Incorrect sound recorded.)	≥ You cannot record WMA/MP3. ≥ You cannot record DVDs that have protection preventing digital recording. ≥ You cannot record DVDs if the recording equipment cannot handle signals with a sampling frequency of 48 kHz. ≥ Make the following settings: – Advanced Surround: Off **(11)** – PCM Digital Output: Up to 48 kHz **(19)** – Dolby Digital/DTS Digital Surround/MPEG: PCM **(19)**

Unit displays

"noPLAy"	≥ You inserted a disc the unit cannot play; insert one it can. **(4)** ≥ You inserted a blank disc. ≥ You inserted a disc that has not been finalized. **(4)**
"U11"	≥ The disc may be dirty. **(4)**
"H□□" (□□ stands for a number.)	≥ Trouble may have occurred. The number following "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 mains lead, and then reconnect it. ≥ If the service numbers fail to clear, note the service number and contact a qualified service person.
"nodISC"	≥ You haven't inserted a disc: Insert one. ≥ You haven't inserted the disc correctly: Insert it correctly. **(8)**

Television displays

"⊘"	≥ The operation is prohibited by the unit or disc.
"Cannot play group xx, content xx" "Cannot display group xx, content xx"	≥ You are trying to play incompatible group or content. **(5)**
"Group xx, content xx is protected"	≥ You are trying to play protected group or content. You cannot play it.
"Cannot play audio" "No audio"	≥ Audio has not been recorded, or recorded in a format this unit cannot playback. Video playback only is possible. **(5)**
"Check the disc"	≥ This disc may be dirty. **(4)**
"This disc may not be played in your region"	≥ The player plays DVD-Video marked with labels containing the region number "2" or "ALL". **(Cover)**
No on-screen display.	≥ Select "On" in "On-Screen Messages" in "Display" tab. **(19)**
"Authorization Error"	≥ 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. **DivX** **(5)**
"Rented Movie Expired"	≥ The DivX VOD content has zero remaining plays. You cannot play it. **DivX** **(5)**

※ S VIDEO OUT: `The Middle East and South Africa`

Troubleshooting guide

RQT8127

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Specifications

Signal system:	PAL 625/50, PAL525/60, NTSC
Operating temperature range:	+5 to +35 °C
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-RAM (DVD-VR, JPEG[*4, 7], MPEG4[*5, 7], DivX[*6, 7])
(3) DVD-R (DVD-Video, DivX[*6, 7])   (4) DVD-RW (DVD-Video, DVD-VR, DivX[*6, 7])
(5) +R/+RW (Video)
(6) CD, CD-R/RW [CD-DA, Video CD, SVCD[*1], MP3[*2, 7], WMA[*3, 7], JPEG[*4, 7],
MPEG4[*5, 7], DivX[*6, 7], HighMAT Level 2 (Audio and Image)]

Video output:
Output level: 1 Vp-p (75 Ω)
Output terminal:
| Continental Europe | Pin jack (1 system)/AV |
| The Middle East and South Africa | Pin jack (1 system) |

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:
| Continental Europe | AV |
| The Middle East and South Africa | S terminal (1 system) |

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: Continental Europe
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:
| Continental Europe | Pin jack/AV |
| The Middle East and South Africa | Pin jack |
Number of terminals: 2 channel:1 system

Audio performance:
(1) 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
(2) S/N ratio:
● CD Audio: 115 dB
(3) Dynamic range:
● DVD (linear audio): 100 dB
● CD Audio: 98 dB
(4) Total harmonic distortion:
● CD Audio: 0.0025 %

Digital audio output:
Coaxial digital output: Pin jack

Pickup:
Wave length: 662 nm/785 nm
Laser power: CLASS 2/CLASS 3A

NORSK
Pickup:
Bølgelengde: 662 nm/785 nm
Laserstyrke: Ingen farlig stråling sendes ut

Power supply:
| Continental Europe | AC 230 V, 50 Hz |
| The Middle East and South Africa | AC 220 to 240 V, 50/60 Hz |
Power consumption: 10 W
Power consumption in standby mode: **approx. 1 W**
Dimensions (W×D×H): 430 mm ×248 mm×43 mm
Mass: 2.2 kg

Note

Specifications are subject to change without notice. Mass and dimensions are approximate.

[*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 Ver 2.1 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] DivX 3.11, 4.x, 5.x
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 400 groups.

Specifications

Language code list

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

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

Displays current playback condition (10)

Reviews titles/programs to play (10)

Recalls recommended audio/video setting (10)

Changes the unit's display (9)

To enjoy virtual surround (11)

To enjoy clear sound (10)

To select the preset picture quality (11)

Skips 30 seconds forward (11)

Skips back a few seconds (12)

Shows a disc top menu (9) or program list (15)

Shows On-Screen Menus (16)

Shows a disc menu (9, 14, 15) or play list (15)

Changes subtitles (12)

Changes soundtracks (12)

Program/random play (13)

Changes play speed (11)

Changes angles or rotates still pictures (11)

Selects groups to play (11)

Changes the zoom ratio (12)

CAUTION	LASER RADIATION WHEN OPEN. DO NOT STARE INTO BEAM.	FDA 21 CFR / Class II
CAUTION	VISIBLE AND INVISIBLE LASER RADIATION WHEN OPEN. AVOID EXPOSURE TO BEAM.	IEC60825-1 / Class 3b
ATTENTION	RAYONNEMENT LASER VISIBLE ET INVISIBLE EN CAS D'OUVERTURE, EXPOSITION DANGEREUSE AU FAISCEAU.	
ADVARSEL	SYNLIG OG USYNLIG LASERSTRÅLING VED ÅBNING. UNDGÅ UDSÆTTELSE FOR STRÅLING.	
VARO!	AVATTAESSA OLET ALTTIINA NÄKYVÄÄ JA NÄKYMÄTÖN LASERSÄTEILYLLE, ÄLÄ KATSO SÄTEESEEN.	
VARNING	SYNLIG OCH OSYNLIG LASERSTRÅLNING NÄR DENNA DEL ÄR ÖPPNAD, BETRAKTA EJ STRÅLEN.	
ADVARSEL	SYNLIG OG USYNLIG LASERSTRÅLING NÄR DEKSEL ÅPNES. UNNGÅ EKSPONERING FOR STRÅLEN.	
VORSICHT	SICHTBARE UND UNSICHTBARE LASERSTRAHLUNG, WENN ABDECKUNG GEÖFFNET, NICHT DEM STRAHL AUSSETZEN.	
注意	打开时有可见及不可见激光辐射。避免激光束照射。	
注意	ここを開くと可視及び不可視レーザー光が出ます。ビームを見たり、触れたりしないでください。	RQLCA0141

(Inside of product)
(Produktets innside)
(Tuotteen sisällä)

CLASS 1 LASER PRODUCT

LUOKAN 1 LASERLAITE
KLASS 1 LASER APPARAT
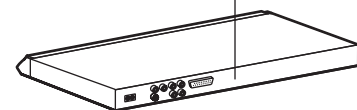
(Back of product)
The illustration shows the models for Continental Europe.

En

RQT8127-B
F0405AK0