

Panasonic®



Operating Instructions Portable DVD/CD Player

Model No. **DVD-LX8**

Dear customer

Thank you for purchasing this product.
For optimum performance and safety, please read these instructions carefully before connecting, operating or adjusting this product. Please keep this manual for future reference.



PalmTheater®

Region number

The player plays DVD-Video marked with labels containing the region number "1" or "ALL".

Example:



This manual was printed with soy based ink.

Table of contents

IMPORTANT SAFETY INSTRUCTIONS . . .	4
Discs that can be played	5
Accessories.	6
Preparations	
① Charging the battery	6
② The remote control	7
③ Adjusting the LCD angle.	7
Play	8
Useful functions 10	
Changing the play sequences	12
RAM disc play	13
Playing a HighMAT™ CD	13
WMA/MP3/JPEG/CD Text play	14
Operating with On-Screen Menu Icons	15
Changing the player settings.	18
Using this unit with other equipment	21
Battery pack	22
Using a car adaptor	23
Creating files on a computer	24
Frequently asked questions	25
Troubleshooting guide	26
Maintenance	29
Limited Warranty (ONLY FOR U.S.A.)	30
Product Service.	31
Specifications	32
Useful function guide	33

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.

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.

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.

CAUTION – LASER RADIATION WHEN OPEN AND INTERLOCK DEFEATED. DO NOT STARE INTO BEAM. FDA 21 CFR/Class II
CAUTION – VISIBLE AND INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCKS DEFEATED. AVOID EXPOSURE TO BEAM. IEC60825-1/Class IIb
ATTENTION – RAYONNEMENT LASER VISIBLE ET INVISIBLE DANGEREUX EN CAS D'OUVERTURE ET LORSQUE LA SÉCURITÉ EST NEUTRALISÉE. EXPOSITION DANGEREUSE AU FAISCEAU.

(Bottom of product)

THE FOLLOWING APPLIES ONLY IN THE U.S.A.

CAUTION:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

The following mark and symbols are located on bottom of the unit.



CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN



CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE SCREWS. NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



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



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

Marking sign is located on bottom of the unit.

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

Any unauthorized changes or modifications to this equipment would void the user's authority to operate this device.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Batteries

1. Battery pack (Lithium ion battery pack)

- Use this unit to recharge the battery pack.
- Do not use the battery pack with equipment other than the specified player.
- Do not use the player outside if it is snowing or raining. (The battery pack is not waterproof.)
- Do not get dirt, sand, liquids, or other foreign matter on the terminals.
- Do not touch the plug terminals (+ and -) with metal objects.
- Do not disassemble, remodel, heat or throw into fire.

2. Button-type battery (Lithium battery)

- Insert with poles aligned.
- Do not touch the terminals (+ and -) with metal objects.
- Do not disassemble, remodel, heat or throw into fire.
- Keep out of reach of children.

If any electrolyte should come into contact with your hands or clothes, wash it off thoroughly with water.

If any electrolyte should come into contact with your eyes, never rub the eyes.

Rinse eyes thoroughly with water, and then consult a doctor.

3. Disposing of the batteries

Check and follow your local regulations before disposal.

AC adaptor

This AC adaptor operates on AC between 100 V and 240 V.

But

- In the U.S.A. and Canada, the AC power supply cord must be connected to a 120 V AC power supply only.
- When connecting to an AC supply outside of the U.S.A. or Canada, use a plug adaptor to suit the AC outlet configuration.
- When connecting to a supply of greater than AC 125 V, ensure the cord you use is suited to the voltage of the AC supply and the rated current of the AC adaptor.
- Contact an electrical parts distributor for assistance in selecting a suitable AC plug adaptor or AC cord set.

CAUTION:

Use only Panasonic car adaptor
DY-DC95.

A lithium ion/polymer battery that is recyclable powers the product you have purchased. Please call 1-800-8-BATTERY for information on how to recycle this battery.



CAUTION:

The batteries used in this device may present a risk of fire or chemical burn if mistreated. Do not disassemble or incinerate the batteries. Do not heat the batteries above the following temperatures.

Button-type battery 100 °C (212 °F)

Battery pack 60 °C (140 °F)

Do not recharge the button-type battery.

Replace only with Panasonic part number indicated below:

Button-type battery (Lithium battery)

(for remote control)

CR2025

Battery pack

(Lithium ion battery pack)

CGR-H604

Optional battery pack

(Lithium ion battery pack)

CGP-H501

Use of other batteries may present a risk of fire or explosion.

THE FOLLOWING APPLIES ONLY IN THE U.S.A.

Notice:

This product has parts that contains a small amount of mercury. It also contains lead in some components. Disposal of these materials may be regulated in your community due to environmental considerations. For disposal or recycling information please contact your local authorities, or the Electronics Industries Alliance: <<http://www.eiae.org>>



For U.S.A. Only

As an ENERGY STAR® Partner, Panasonic has determined that this product meets the ENERGY STAR® guidelines for energy efficiency.

IMPORTANT SAFETY INSTRUCTIONS

Read these operating instructions carefully before using the unit. Follow the safety instructions on the unit and the applicable safety instructions listed below. Keep these operating instructions handy for future reference.

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



Do not rest the unit on your lap for a long time while using it. The unit can become hot and cause burns.

To prevent damage

Avoid the following;

- Spraying flammable insecticides near the unit.
- Pressing the LCD.
- Touching the lens and other parts of the laser pickup.

Do not use the unit in the following places;

- Sandy places such as beaches.
- On top of cushions, sofas, or hot equipment such as amplifiers.



Listening caution



Do not play your headphones or earphones at a high volume. Hearing experts advise against continuous extended play.

If you experience a ringing in your ears, reduce volume or discontinue use.

Do not use while operating a motorized vehicle. It may create a traffic hazard and is illegal in many areas. You should use extreme caution or temporarily discontinue use in potentially hazardous situations.

Even if your headphones or earphones are the open-air type designed to let you hear outside sounds, don't turn up the volume so high that you can't hear what's around you.

Sound can be deceiving. Over time your hearing "comfort level" adapts to higher volumes of sound. So what sounds "normal" can actually be loud and harmful to your hearing.

Guard against this by setting your equipment at a safe level BEFORE your hearing adapts.

To establish a safe level:

- Start your volume control at a low setting.
- Slowly increase the sound until you can hear it comfortably and clearly, and without distortion.
- Once you have established a comfortable sound level:
- Leave it there.

Discs that can be played

This operating instruction manual uses the following icons such as **RAM**.

	DVD-RAM RAM Recorded using Version 1.1 of the Video Recording Format (a unified video recording standard).
	DVD-Video DVD-V Some DVD-Audio discs contain DVD-Video content. To play DVD-Video content, select "DVD-Video Mode" (→ page 20).
	DVD-R DVD-V Panasonic DVD-R recorded and finalized* on Panasonic DVD-Video recorders or DVD-Video cameras are played as DVD-Video.
	DVD-Audio DVD-A Output is only 2 channels on this unit.
	Video CD VCD Includes SVCD (Conforms to IEC62107).
	CD CD WMA MP3 JPEG VCD This unit can play finalized* or session closed audio recording CD-R/RW. ● This unit also plays HighMAT discs (WMA, MP3, or JPEG files only).

*A process that allows play on compatible equipment.

● It may not be possible to play the above discs depending of the type of disc used or condition of the recording.

Discs that cannot be played

- DVD-Video other than region number "1" or "ALL".
- Discs recorded using PAL (You can play DVD-Audio, however still pictures may not be displayed correctly.)
- DVD-RAM (2.6GB/5.2GB, TYPE1) ● DVD-ROM ● DVD+R ● +RW
- DVD-RW ● CD-ROM ● CD-G ● SACD ● Photo-CD ● CDV
- Chaoji VCD that are available on the market including SVCD, CVD, DVCD etc.

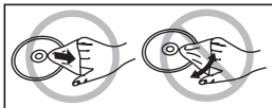
To clean discs

DVD-A **DVD-V** **VCD** **CD**

Wipe with a damp cloth and then wipe dry.

RAM **DVD-R**

- Clean with an optional DVD-RAM/PD disc cleaner (LF-K200DCA1, where available).
- Never use cloths or cleaners for CDs etc.



Disc 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.

Accessories



Use numbers indicated in parentheses when asking for replacement parts. The included AC power supply cord and AC adaptor are for use with this unit only. Do not use them with other equipment.

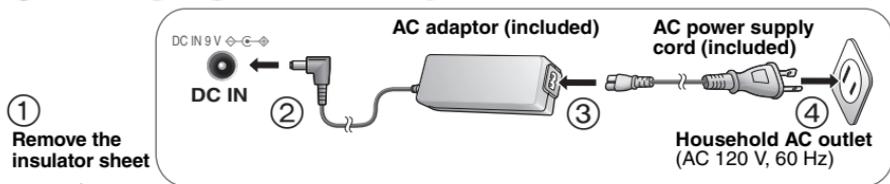
(For U.S.A.) To order accessories contact 1-800-332-5368 or the website (<http://www.pasc.panasonic.com>).

(For Canada) To order accessories, call the dealer from whom you have made your purchase.

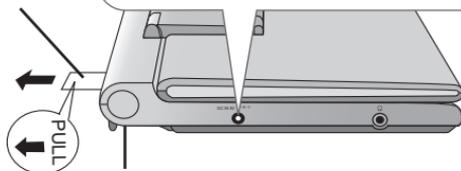
- 1 Remote control (N2QAJJC000007)
- 1 AC power supply cord (K2CB2CB00006)
- 1 Button-type battery for remote control (for replacement, see page 7)
- 1 Rechargeable battery pack (attached upon shipment)
- 1 Audio/video cable (K2KA6CB00003) (for replacement, see page 22)
- 1 AC adaptor (RFEA905W-1W)

Preparations

1 Charging the battery (When the unit is off)



- 1 Remove the insulator sheet



Make sure the built-in battery is attached whenever you use the unit.

- Use together with the optional battery pack for longer play (→ page 22).
- You can also use the optional car adaptor (→ page 23).
- You can also use this unit without charging while connecting the AC adaptor and the AC power supply cord.

To conserve power

This unit consumes 0.6 W of power even when turned off. When the unit is not going to be used for a long time, disconnect the AC power supply cord from the household AC outlet.

Detaching/Attaching the built-in battery pack (→ page 22)

Approximate play times (→ page 23)



	Started	Finished
[⏻]	goes out	lights
[CHG]	lights	goes out

Recharging time:

Approx. 4 hours

When finished, disconnect the AC adaptor and the AC power supply cord.

Checking the remaining battery charge

When the unit is on (→ page 8) and powered by the battery pack.



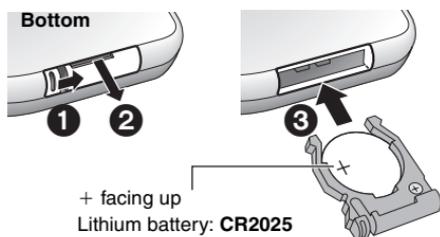
Recharge

Press [DISPLAY] to check on the LCD (Displays for a few seconds).

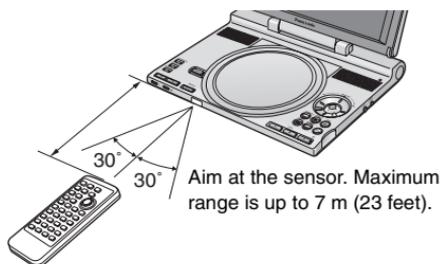
On-Screen Menu (→ page 15) is also displayed at the same time. Press [RETURN] to cancel.

2 The remote control

Insert the button-type battery (included)

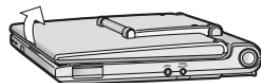


Range of use

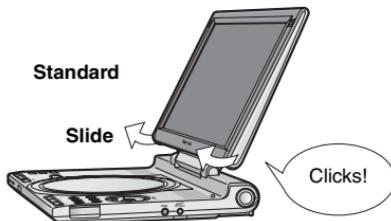


3 Adjusting the LCD angle

Open the LCD



Standard



Slide

Clicks!

Compact



Free



When moving the unit
Close the LCD. Don't hold by the LCD.

Play

Headphone terminal [Ω]
3.5 mm (1/8") Stereo

1 Open the lid.



2 Insert a disc and close the lid.



Click into place

For two sided discs, insert the side you want to play with the label facing up.

For DVD-RAM, remove the disc from the cartridge.

3 Press and hold.

ON



The unit turns on and play begins.

4 Adjust the volume.

VOL Turn the volume down when connecting with headphones (not included).

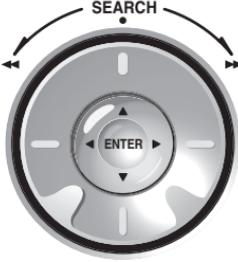


If the disc contains both audio data (WMA/MP3) and JPEG, select either setting from "Mixed Disc-Audio & Stills" (→ page 20).

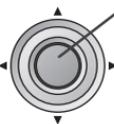
- While stopped, the unit automatically turns off once 15 minutes (after approximately 5 minutes when using the battery pack) have elapsed.
- Discs continue to rotate while menus are displayed. Press [■] when you finish to preserve the unit's motor.

Main unit operations

<p>ON</p> 	<p>Turn unit on/ play</p>	<p>Press and hold and the power comes on and play begins.</p>
<p>- OFF</p> 	<p>Stop</p>	<p>While "▷" is flashing, press [▶, ON] and play begins from the position where play stopped.</p> <ul style="list-style-type: none"> • DVD-V While the message is displayed, press [▶, ON] and the previous chapters are reviewed. <p>Opening the lid, or pressing [■, -OFF] while "▷" is flashing cancels the memorized position where play stopped.</p>
<p> </p> 	<p>Turn unit off</p> <p>Pause</p>	<p>Press and hold until "OFF" is displayed.</p> <p>Press [▶, ON] to return to normal play.</p>
<p>⏮ ⏭</p> 	<p>Skip</p>	<p>Skips items.</p>

	Search	Turn the shuttle dial. Release the shuttle dial to return to normal play.
	Slow play	Turn the shuttle dial while paused. Press [▶, ON] to return to normal play. VCD [▶▶] only.
	Menu operation	Use [▲ ▼ ◀ ▶] to select an item and press [ENTER] to confirm.
	Frame by Frame	While paused, use [◀▶]. VCD [▶] only.
	Group skip	JPEG Use [▲ ▼].
TOP MENU 	Top menu	DVD-A DVD-V
	Direct navigator	RAM (→ page 13)
MENU 	Menu	DVD-V
	Playlist play	RAM (→ page 13)
RETURN 	Return	Returns to the previous screen. VCD (with PBC) Returns to the menu.

Remote control operations

	Turn on/off You cannot use the remote control to turn the unit on when powered by the battery pack.
	Stop/Pause/Play (→ page 8)
ANGLE 	Changes the angle DVD-A DVD-V (with multiple angles)
SUB-TITLE 	Subtitles (→ page 11) RAM (On/Off only) DVD-V VCD (SVCD only) Track/Picture information WMA MP3 JPEG CD (CD text only)
	Search (During play)/Slow play (While paused) (→ above)
	Menu operation/Frame by Frame/Group skip (→ above)
	Select items using numbered button input (e.g.) 25: [≥10] → [2] → [5] WMA MP3 JPEG [2] → [5] → [ENTER] ● VCD (with PBC) Selecting an item this way while stopped will cancel menu playback.

Useful functions

Repeat play ※ Can only be used with discs that show the elapsed time display.
For JPEG, you can use even if there is no elapsed time display.

REPEAT

Select the content to repeat.



Repeat play between two desired points (→ page 17, A-B repeat play).

Select a group and play **DVD-A** **WMA** **MP3** **JPEG**

While stopped

1 DISPLAY



e.g. **MP3**



Group number Track number

- You can also use **[GROUP]** on the remote control.

2



① Use **[▲ ▼]** to select the group number and press **[ENTER]**.

② Use **[▲ ▼]** to select the track or picture number and press **[ENTER]**.

- You can also use the **numbered buttons** on the remote control to select a number (→ page 9).

DVD-A Play all groups (→ page 12, All group play)

Advanced surround **RAM** **DVD-V** **VCD** (Discs with more than 2ch audio)

A surround sound effect can be made using 2 speakers (on other equipment).

- For discs recorded with surround sound signals, the surround signals also appear to be heard from the side.
- Turn the surround feature on the connected equipment off.
- 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 speakers.

A.SURROUND



Press to select “**SP 1**” (normal) or “**SP 2**” (emphasized).

When using headphones, press **[◀]** and use **[▲ ▼]** to select “HP”.

Picture rotation **JPEG**

1

ANGLE



(Remote control)

2



(Remote control)

Use **[▲ ▼]** to select the rotation angle and press **[ENTER]**.

- To cancel the screen, press **[ANGLE]**.
- The rotation angle is canceled when the unit is turned off or the lid is opened.

Selecting still pictures **DVD-A**

PAGE



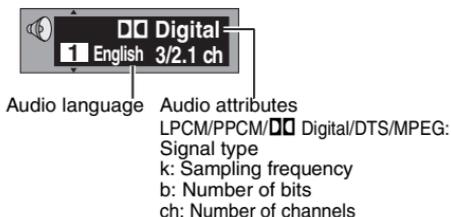
(Remote control)

The page changes each time you press the button.

Audio **RAM** **DVD-A** **DVD-V** **VCD** (For discs recorded with multiple audio)



Press to change.

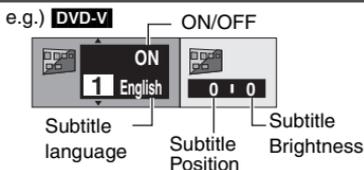


- **RAM** **VCD** You can select either “L”, “R”, or “LR”.
- **DVD-V** On karaoke discs you can turn the vocals on/off. Read the inside of the disc's jacket for further details.

Subtitles **RAM** (On/Off only) **DVD-V** **VCD** (SVCD only)



Press to change.



On/Off

Use [▶] to select “ON/OFF” (**DVD-V** **VCD**), and change using [▲ ▼].

RAM (Only discs that contain subtitle information)
Subtitle information cannot be recorded using Panasonic DVD Recorders.

Adjusting the position/brightness **DVD-V**

Using [◀ ▶] to select “Subtitle Position/Subtitle Brightness” and adjust with [▲ ▼].

- “Auto” automatically adjusts the brightness.

Selecting how to show 4:3 aspect pictures on the LCD

MONITOR MODE	NORMAL:	Normal
	FULL:	Stretched horizontally
	ZOOM:	Stretched vertically and horizontally
	JUST:	Fills the screen for a more natural picture
	OFF:	No picture

- If you are not using the LCD on this unit, select “OFF” to conserve power.
(The [⏻] indicator flashes)
- The LCD turns off automatically if you close it.

Adjusting the picture quality on the LCD



Use [▲ ▼] to select the item, and [◀ ▶] to change the setting.

BRIGHT **COLOUR** **SHARP**
GAMMA (Adjusts the brightness of dark parts.)
AI MODE **BLUE LED**

- Press [PICTURE MODE] to cancel the screen.

Changing the play sequences

Remote control only

DVD-A DVD-V VCD CD WMA MP3

While stopped

PLAY MODE



Press to change.

All group (DVD-A) → Program → Random
↑ Normal play ←

- To play a HighMAT disc using Program/Random play, select "Disable" from "HighMAT" (→ page 20).

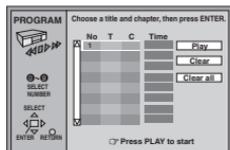
All group play DVD-A



(Play)

Program play (Max. 32 items)

e.g.) DVD-Video



1



Press to select an item (→ page 9).

2



(Play)

To continue selecting, repeat this operation.

Selecting all items

After pressing [ENTER], use [▲▼] to select "ALL" and press [ENTER].

To add/change a program

Use [▲▼] to select the item to change and perform step 1.

To cancel a program

Use [▲▼] to select the item to cancel and press [CANCEL].

- Using [▲▼◀▶] to select "Clear" and pressing [ENTER] also clears the item.

To cancel all programs

Use [▲▼◀▶] to select "Clear all" and press [ENTER].

- All programs are also cleared when you open the disc lid, or switch the unit off.

Random play

e.g.) DVD-Video



1



Press to select a group (DVD-A) or title (DVD-V).

2



(Play)

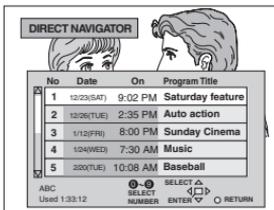
DVD-A

- You can select multiple groups.
- To enter all groups, select "All" using [◀▶] and press [ENTER].
- To deselect a group, press the numbered buttons corresponding to the group you want to clear.

RAM disc play **RAM** ※ You cannot edit titles or playlists on this unit.

Selecting programs to play (DIRECT NAVIGATOR)

1 TOP MENU



2



Use [**▲▼**] to select the program and press [**ENTER**].

You can also use the **numbered buttons** on the remote control (→ page 9).

- To cancel the menu, press [**TOP MENU**].

Playlist play ※ Only for discs created with playlists

1 MENU



2



Use [**▲▼**] to select the playlist and press [**ENTER**].

You can also use the **numbered buttons** on the remote control (→ page 9).

- To cancel the menu, press [**MENU**].

Playing a HighMAT™ CD **WMA** **MP3** **JPEG**

Select “Enable” from “HighMAT”. (→ page 20)



While the menu is displayed
Use [**▲▼◀▶**] to select items and press [**ENTER**].



Menu:

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



Playlist:

Play starts.

- To return to the menu, press [**TOP MENU**].
- To change to the menu background recorded on disc, press [**DISPLAY**] while the menu is displayed.

Selecting from the list menu to play

1. During play, press [**MENU**].
 2. Use [**◀**] then [**▲▼**] to change the list.
 3. Use [**▶**] then [**▲▼**] to select an item and press [**ENTER**].
- To cancel the menu, press [**MENU**].



HighMAT and the HighMAT logo are either trademarks or registered trademarks of Microsoft Corporation in the United States and/or other countries.

WMA/MP3/JPEG/CD Text play

WMA **MP3** **JPEG** **CD** (CD text only)

- If the disc contains both audio data (WMA/MP3) and JPEG, select either setting from “Mixed Disc–Audio & Stills” (→ page 20).
- Refer to page 24 regarding play limitations on this unit and creation of files on a computer.

1 **TOP MENU**



2



Use [**▲ ▼ ◀ ▶**] to select the track or picture and press [**ENTER**].

“” indicates the track currently being played.

- Use [**▲ ▼ ◀ ▶**] to display the next or previous pages by selecting “Prev” or “Next” and pressing [**ENTER**].

- Press [**TOP MENU**] to exit the menu.

Viewing track information **CD** (CD text only)

While the menu is displayed

Use [**▲ ▼**] to select a track and use [**▶**].

- To check other track information, use [**◀ ▶**].
- To play, press [**ENTER**].
- To return to the menu, press [**RETURN**].

Selecting a group using the tree menu **WMA** **MP3** **JPEG**

1 While the menu is displayed

WMA **MP3** Use [**▲ ▼**] to select the track and use [**▶**].

JPEG Use [**▲ ▼ ◀ ▶**] to select the “Tree” and press [**ENTER**].

2 Use [**▲ ▼ ◀ ▶**] to select the group and press [**ENTER**].

The selected group menu is displayed.

Searching the title to play **WMA** **MP3** **CD** (CD text only)

You can search using alphanumeric character input. (No difference between upper and lower case)

1 While the menu is displayed

Use [**▲ ▼**] to select “Find” and press [**ENTER**].

2 Use [**▲ ▼**] to select the character and press [**ENTER**].

- Use [**◀ ▶**] to skip between A, E, I, O, U.
- Use [**◀**] to re-select a character.
- To continue character input, repeat step 2.
- Erase the asterisk (*) to search for the titles starting with that character.

3 Use [**▶**] to select “Find” and press [**ENTER**].

The result of the search appears on screen.

4 Use [**▲ ▼**] to select the track and press [**ENTER**].

To return to the previous menu, press [**RETURN**].

Operating with On-Screen Menu Icons

Disc information

1 **DISPLAY** Press once. 2



Items shown differ depending on the type of software.



Use [**◀ ▶**] to select the item and [**▲ ▼**] to set.

There are items which you can select using the **numbered buttons** and [**ENTER**] on the remote control.

- If the setting does not change, press [**ENTER**].
- To finish, press [**RETURN**].



To start from a specific item



Karaoke Vocals On/Off
Karaoke **DVD-V** only



To start from a specific time

RAM DVD-A DVD-V



Bit rate (kbps)/
Sampling frequency
(kHz) (Display only)
WMA MP3

Changes to the elapsed time or the remaining time

RAM DVD-A DVD-V VCD CD

Elapsed play time (Display only)

VCD (SVCD only) **WMA MP3**



Audio channel

RAM VCD



Track number/total number of tracks on the disc

WMA MP3

Picture number/total number of pictures on the disc

JPEG



Menu playback display (Display only)

VCD with PBC (playback control)



Slideshow On/Off **JPEG**

Slideshow display duration **JPEG** 0–30 sec

Slideshow display (Display only) **DVD-A**



Audio (→ page 11,
Audio language
→ below)



Subtitles (→ page 11,
Subtitle language → below)
Track information On/Off
WMA MP3 CD (CD text only)
Picture information JPEG
Date/Full/OFF



Still picture
number **DVD-A**

To return to page 1, use [**◀ ▶**] to select "Return"
and press [**ENTER**].



Angle **DVD-A DVD-V** (with multiple angles)



Adjusts the On-Screen Menu
position (5 positions)

Audio/Subtitle language

ENG: English
FRA: French
DEU: German
ITA: Italian
ESP: Spanish
NLD: Dutch
SVE: Swedish
NOR: Norwegian
DAN: Danish
POR: Portuguese

RUS: Russian
JPN: Japanese
CHI: Chinese
KOR: Korean
MAL: Malay
VIE: Vietnamese
THA: Thai
*: Others

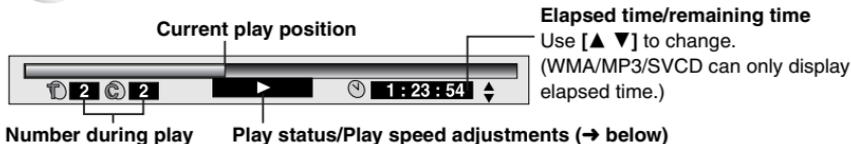
Operating with On-Screen Menu Icons

Checking the play status (Progress indicator)

DISPLAY

Press twice.

• To finish, press [RETURN].



You can slow down or speed up play **DVD-V** (Dolby Digital disc)

During play, use [◀ ▶], (The play speed changes in 5 steps.)

- To return to normal play, press [▶, ON].
- Depending on the disc, there may be places that cannot be changed.

Main unit information

1

DISPLAY

Press
3 times.



2



① Use [▲ ▼] to select the menu.

② Use [◀ ▶] to select the item and [▲ ▼] to set.

• To finish, press [RETURN].



Display menu



Normal

4:3 Aspect **RAM** **DVD-A** **DVD-V** **VCD** **JPEG**

Select how to show images made for 4:3 aspect screens on a 16:9 aspect television.

Normal: laterally stretches images made for a 4:3 screen.

Auto: expands suitable 4:3 letterbox images to fill more of the screen. Other images appear in full in the center of the screen.

Shrink: images appear in the center of the screen.

Zoom: expands all images to fill the screen.

• If your television has a similar feature, use it instead for a better effect.



x1.00

Zoom (You can adjust to fit different picture sizes to your television.)

RAM **DVD-V** **VCD**

• Set the TV aspect to match your television from "TV Aspect" (→ page 19).

Press [ENTER] and select using [◀ ▶] and then press [ENTER].

Zoom fine adjustments

×1.00 to ×2.00



0 | 0

Subtitle Position/Brightness adjustments (→ page 11)

Bit

OFF

Bit rate display (Shows the average bit rate of the video being played.)

RAM **DVD-V** **VCD**



Play menu



Repeat play between two points (A-B repeat play)

RAM DVD-A DVD-V VCD CD WMA MP3

Press [ENTER] at the starting point/ending point. To cancel, press [ENTER] again.



Repeat play (→ page 10)



Play mode (Display only) **DVD-A DVD-V VCD CD WMA MP3**

--- : Normal play ALL: All group (**DVD-A**) PGM: Program RND: Random



Position marking (Marker)—Up to 5 points (**RAM** Up to 999 points)

Press [ENTER] to perform the following operations. (**RAM** Perform the following after using [▶] to select “*”.)

To place a marker→ Press [ENTER].

To place another marker→ Use [◀▶] to select “*” and press [ENTER].

To recall a marker→ Use [◀▶] to select a marker and press [ENTER].

To erase a marker→ Use [◀▶] to select a marker and press [CANCEL] on the remote control.

- **Markers you added on this unit** are cancelled when you open the disc lid or turn the unit off.

RAM Adding more than 11 markers

1. Use [◀▶] to select the marker pin icon



2. Use [▲▼] to select “11–20”.



Picture menu



Picture mode **RAM DVD-A DVD-V VCD JPEG**

N (Normal): Normal mode

C1 (Cinema 1): Mellows images and enhances detail in dark scenes.

C2 (Cinema 2): Sharpens images and enhances detail in dark scenes.



Transfer mode (LCD only) **RAM DVD-A DVD-V VCD**

Select the method of conversion to suit the type of material being played.

Auto1 (normal): for viewing film material

Auto2: for viewing film material (the same as Auto1, but able to convert 30-frame-per-second progressive video)

Video: for video material



Audio menu



Advanced surround (→ page 10)



Dialogue enhancer (Better movie dialogue clarity)

DVD-A DVD-V (Discs with a center channel recorded in Dolby Digital)

Changing the player settings

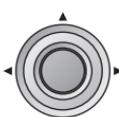
- Referring to pages 18 to 20, change as required.
- Underlined items are the factory presets.
- The settings remain intact even if you switch the unit to standby.

1 SETUP



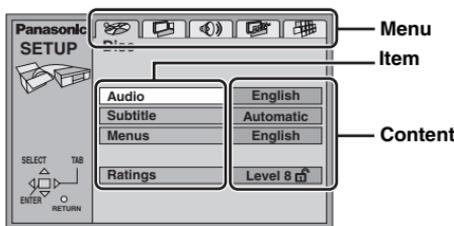
(Remote control)

2



(Remote control)

Use [▲ ▼ ◀ ▶] to select the menu, item, content and press [ENTER].



- To return to the previous screen, press [RETURN].
- To finish the SETUP menu, press [SETUP].
- While stopped, the menu is also displayed when [MENU] on the main unit is pressed, however, when a DVD-RAM or HighMAT CD is being used a playlist menu appears.



Disc

Audio	<ul style="list-style-type: none"> ● <u>English</u> ● French ● Spanish ● Original (The original language designed on the disc is selected) ● Other:*****
Subtitle	<ul style="list-style-type: none"> ● <u>Automatic</u> [If the language selected for "Audio" is not available, subtitles appear in that language (If available on the disc).] ● English ● French ● Spanish ● Other:*****
Menus	<ul style="list-style-type: none"> ● <u>English</u> ● French ● Spanish ● Other:*****
Ratings Set a ratings level to limit DVD-Video play.	<ul style="list-style-type: none"> ● <u>8: No Limit.</u> ● 1 to 7: Prohibits play corresponding to ratings recorded on the disc. ● 0 Lock All: To prevent play of discs without ratings levels. Once level 0 to 7 is set, a password entry screen is displayed. Follow the on-screen instructions. Do not forget your password. ● When you insert a disc that exceeds the ratings limit, a message appears on the screen. Follow the on-screen instructions.

※ Input a code number referring to the table on page 20.



Video

<p>TV Aspect Choose the setting to suit your television and preference.</p>	<ul style="list-style-type: none"> ● 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 Use the television's screen modes to change the way the picture is shown. 	 
<p>Still Mode Specify the type of picture shown when paused.</p>	<ul style="list-style-type: none"> ● Automatic ● Field: The picture is not blurred, but picture quality is lower. ● Frame: Overall quality is high, but the picture may appear blurred. 	



Audio

<p>PCM Digital Output (Only when connected using a digital optical cable → page 21)</p>	<p>Check the digital input limitations of the equipment you connect and select the maximum sampling frequency of PCM digital output.</p> <ul style="list-style-type: none"> ● Off: When not connected using a digital optical cable ● 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 ● Up to 192 kHz: When connected to equipment compatible with 176.4 or 192 kHz ● Signals that exceed the set maximum frequency and 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. 	
<p>Dolby Digital (Only when connected using a digital optical cable → page 21)</p>	<ul style="list-style-type: none"> ● Bitstream When connected to equipment that displays the logo on the right. ● PCM: When connected to equipment that doesn't display the logo on the right. 	
<p>DTS Digital Surround (Only when connected using a digital optical cable → page 21)</p>	<ul style="list-style-type: none"> ● PCM: When connected to equipment that doesn't display the logo on the right. ● Bitstream When connected to equipment that displays the logo on the right. 	
<p>Dynamic Range Compression (Dolby Digital only)</p>	<ul style="list-style-type: none"> ● Off ● On: For clear dialogue when listening at low volume. 	
<p>Audio during Search Choose whether to have sound during search</p>	<ul style="list-style-type: none"> ● On ● Off <p>Audio will be heard when playing some DVD-Audio despite the settings made here.</p>	

Changing the player settings



Display

Menu Language	<input type="radio"/> English <input type="radio"/> Français <input type="radio"/> Español
On-Screen Messages	<input type="radio"/> On <input type="radio"/> Off



Others

HighMAT Selects the play method for HighMAT discs	<input type="radio"/> <u>Enable</u> : Plays as HighMAT <input type="radio"/> <u>Disable</u> : Plays as WMA/MP3/JPEG
Mixed Disc–Audio & Stills Selects the file format to play	<input type="radio"/> <u>Audio (MP3/WMA)</u> <input type="radio"/> <u>Stills (JPEG)</u>
DVD-Video Mode You can play DVD-Video contents contained on a DVD-Audio disc, when “On” is selected.	<input type="radio"/> <u>Off</u> <input type="radio"/> On The setting returns to “Off” when the lid is opened or the unit is turned off.
Demo When “On” is selected an On-Screen demonstration begins.	<input type="radio"/> <u>Off</u> <input type="radio"/> On Pressing any other button besides [MONITOR MODE] and [PICTURE MODE] stops the demo and the setting returns to “Off”.

Language code list

Abkhazian: 6566	Chinese: 9072	Hindi: 7273	Malagasy: 7771	Samoan: 8377	Tibetan: 6679
Afar: 6565	Corsican: 6779	Hungarian: 7285	Malay: 7783	Sanskrit: 8365	Tigrinya: 8473
Afrikaans: 6570	Croatian: 7282	Icelandic: 7383	Malayalam: 7776	Scots Gaelic: 7168	Tonga: 8479
Albanian: 8381	Czech: 6783	Indonesian: 7378	Maltese: 7784	Serbian: 8382	Turkish: 8482
Ameharic: 6577	Danish: 6865	Interlingua: 7365	Maori: 7773	Serbo-Croatian: 8373	Turkmen: 8475
Arabic: 6582	Dutch: 7876	Irish: 7165	Marathi: 7782	Slovak: 8375	Twi: 8487
Armenian: 7289	English: 6978	Italian: 7384	Moldavian: 7779	Shona: 8378	Ukrainian: 8575
Assamese: 6583	Esperanto: 6979	Japanese: 7465	Mongolian: 7778	Sindhi: 8368	Urdu: 8582
Aymara: 6588	Estonian: 6984	Javanese: 7487	Nauru: 7865	Sinhalese: 8373	Uzbek: 8590
Azerbaijani: 6590	Faroese: 7079	Kannada: 7578	Nepali: 7869	Slovene: 8376	Vietnamese: 8673
Bashkir: 6665	Fiji: 7074	Kashmiri: 7583	Norwegian: 7879	Slovenian: 8376	Volapük: 8679
Basque: 6985	Finnish: 7073	Kazakh: 7575	Oriya: 7982	Somali: 8379	Welsh: 6789
Bengali; Bangla: 6678	French: 7082	Kirghiz: 7589	Pashto, Pushto: 8083	Spanish: 6983	Wolof: 8779
Bhutani: 6890	Frisian: 7089	Korean: 7579	Persian: 7065	Sundanese: 8385	Xhosa: 8872
Bihari: 6672	Galician: 7176	Kurdish: 7585	Polish: 8076	Swahili: 8387	Yiddish: 7473
Breton: 6682	Georgian: 7565	Laotian: 7679	Portuguese: 8084	Swedish: 8386	Yoruba: 8979
Bulgarian: 6671	German: 6869	Latin: 7665	Punjabi: 8065	Tagalog: 8476	Zulu: 9085
Burmese: 7789	Greek: 6976	Latvian, Lettish: 7686	Quechua: 8185	Tajik: 8471	
Byelorussian: 6669	Greenlandic: 7576	Lingala: 7678	Rhaeto-Romance: 8277	Tamil: 8465	
Cambodian: 7577	Guarani: 7178	Lithuanian: 7684	Romanian: 8279	Tatar: 8484	
Catalan: 6765	Hausa: 7265	Macedonian: 7775	Russian: 8285	Telugu: 8469	
	Hebrew: 7387			Thai: 8472	

Using this unit with other equipment

Turn off all equipment before connection and read the appropriate operating instructions.

Enjoying with 5.1ch audio

Right side of this unit



Digital optical cable

- Do not bend sharply.
- Align and insert.

AV amplifier with Dolby Digital/DTS logo
(→ page 19)



OPTICAL IN



Connect the 6 speakers to the amplifier's 5.1ch audio output terminals.

- Change "PCM Digital Output", "Dolby Digital", and "DTS Digital Surround" (→ page 19).
- **DVD-A** Output will be only 2 channels.

Enjoying stereo audio

Right side of this unit



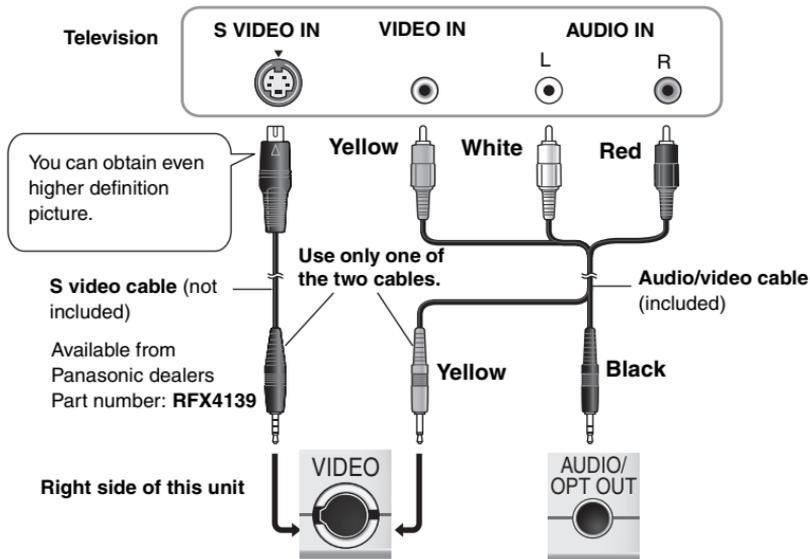
Amplifier/System component

Audio cable



Television connections

Connect the video output from this unit directly to the television.



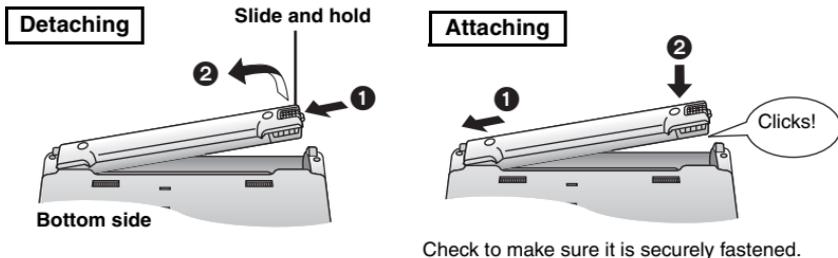
If you raise the volume on the television while playing this unit, the volume may abruptly become very loud when you switch to a television broadcast. Return the volume to its normal level before changing.

Battery pack

Turn the unit off before detaching/attaching the battery pack.

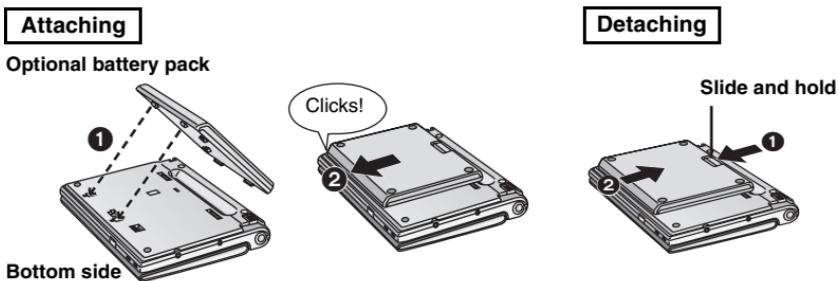
Built-in battery pack

For replacement: CGR-H604 (Available from Panasonic dealers)



Optional battery pack (CGP-H501)

- Use together with the built-in battery pack (→ above).
- Attach the optional battery pack to the main unit and charge the battery before using for the first time (→ page 6).



Approximate recharging and play times (Hours)

Recharging [at 20°C (68°F)]	Play (at room temperature using headphones)			
	LCD brightness level			LCD Off
	-5	0 (factory preset)	+5	
4 (13)	2.5 (7.5)	2 (6)	1.5 (4.5)	3.5 (10.5)

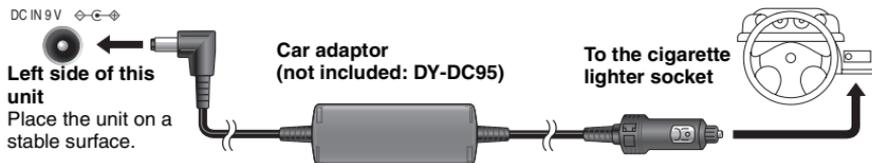
- The times indicated above may differ depending on use.
- Times for when used along with the optional battery pack (→ page 22) are in parenthesis.
- To change the LCD brightness (→ page 11).

When not using for long periods of time

- Remove the battery pack (→ page 22). (Even when the unit is turned off, there is a small amount of voltage running through the unit, and this may result in a malfunction.)
- Recharge the battery for re-use.

Using a car adaptor

- In the interests of the traffic safety, do not perform operations on this unit or view video software while driving a vehicle.
- Read the car adaptor's operating instructions carefully.

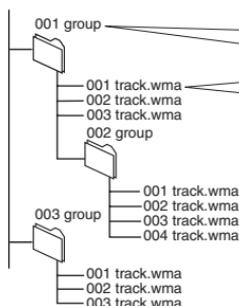


You can enjoy audio through your car audio system by connecting a car stereo cassette adaptor (not included: RP-CC20) to the headphone jack on the left side of this unit.

Creating files on a computer WMA MP3 JPEG

Folders and files created on a computer are displayed as group names and track/picture names on this unit.

Root



Titling

Add a number prefix
(for ease of ordering)

Extension
001track.**wma**
(or **.WMA**)

MP3 file extension
.mp3 (.MP3)
JPEG file extension
.jpg (.JPG)
or **.jpeg (.JPEG)**

Unit limitations

- 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.
- Groups below the 8th tree level are displayed on the same level as the 8th level.
- The menu display on this unit and on a computer may be different.
- Depending on how a disc was created, the play order may change.
- Files created using packet write cannot be played.

WMA

- You cannot play WMA files that are copy protected.

MP3

- This unit is not compatible with ID3 tags.

JPEG

- To view JPEG files on this unit:
 - Take them on a digital camera that meets the DCF Standard (Design rule for Camera File system) Version 1.0. Some digital cameras have functions that are not supported by the DCF Standard Version 1.0 like automatic picture rotation which may render a picture un-viewable.
 - Do not alter the files in any way or save them under a different name.
- This unit cannot display moving pictures, MOTION JPEG and other such formats, still pictures other than JPEG (e.g. TIFF) or play associated sound.

MPEG Layer-3 audio decoding technology licensed from Fraunhofer IIS and Thomson multimedia.

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

WMA is a compression format developed by Microsoft Corporation. It achieves the same sound quality as MP3 with a file size that is smaller than that of MP3.



Frequently asked questions

Reference pages are shown in parentheses.

What kind of equipment is necessary to enjoy 5.1ch audio?	Connect to an AV amplifier (that has 5.1ch audio output terminals) displaying the Dolby Digital/DTS logo. (21) DVD-A: This unit plays DVD-Audio in 2 channels. You cannot play multi channel surround sound.
Can I play a DVD-Video bought in another country?	You can play if the region number includes "1" or "ALL" and the video standard is NTSC. Check the disc jacket.
Can I use on an airplane or in a hospital?	Electromagnetic waves that are emitted from this unit may affect equipment on an airplane or in a hospital. Please obey the rules and or instructions indicated by the hospital or airline.
Can I use in a car?	You can use this unit by connecting with the separately sold car adaptor (part no. DY-DC95) for power. Damage may occur if you do not use the specified car adaptor. (23)
Can I connect with a computer?	You can enjoy use of the computer as a television monitor when connecting with the AV input terminal on a computer. However, you cannot operate this unit as the peripheral equipment.

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

"DTS" and "DTS 2.0+ Digital Out" are trademarks of Digital Theater Systems, Inc.

Apparatus Claims of U.S. Patent Nos. 4,631,603, 4,577,216, and 4,819,098, licensed for limited viewing uses only.

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

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, see "Product information" on page 31 for assistance.

The following do not indicate malfunction.

- Sound from the AC adaptor during recharging.
- The battery pack warming up when recharging or during use.
- The surface and area around the unit becoming warm when used over long periods.

Reference pages are shown in parentheses.

Power

No power.

- Check connections to the AC adaptor or battery pack. (6), (22)
- You cannot turn on the unit with the remote control if the unit is powered by the battery pack.

Unit turns off automatically.

- The unit turns off after it has been stopped for about 15 minutes (5 minutes when the unit is powered by the battery pack) to conserve power. Turn the unit on again.

Unit doesn't work when powered by battery pack.

- The unit and battery pack have protection circuitry that activate if they become too hot or too cold. They will not work if this occurs. Use the unit and battery pack between 5 °C (41 °F) and 35 °C (95 °F).

Cannot charge or the [CHG] indicator fails to light.

- The battery pack can only be recharged when the unit is off.
- The charging time increases when the temperature is too hot or too cold, and charging may not be possible under some circumstances.
- Check connections to the AC adaptor or battery pack. (6), (22)

Play time dramatically reduces after recharging.

- The battery pack has reached the end of its service life (It can be recharged about 300 times).

Operation

It takes time before play starts. [MP3]

- 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.

Programmed items are not played. [DVD-V]

- Some items cannot be played even if you have programmed them.

A menu screen appears during skip or search. [VCD]

- This is normal for Video CDs.

The on-screen menu shows "2" as a soundtrack option when [AUDIO] is pressed, but the audio does not change. [DVD-A]

- Even if a second soundtrack isn't recorded, two numbers will normally be shown.

Play restarts from the beginning of the track when soundtrack is changed. [DVD-A]

- This is normal on DVD-Audio.

In A-B repeat, Point B is automatically set.

- The end of an item becomes point B when it is reached.

Subtitle position is wrong.

- Adjust the position. (11, "Subtitle Position")

No subtitles.

- Display the subtitles. (11)

The subtitles overlap closed captions recorded on discs.

- Clear the subtitles. (11)

You have forgotten your ratings password. Reset all the settings to Factory Preset.

- While stopped, press and hold [◀◀] and [■] on the unit and then also press and hold [▶, ON] on the unit until "Initialized" disappears from the screen. Turn the unit off and on again. All settings will return to the default values.

Operation

No response when any buttons pressed.

Play fails to start or stops soon after starting.

No response when remote control buttons pressed.

Cannot add markers.

There are already markers. **RAM**

Marker numbers I added are different when I call them up. **RAM**

- Some discs prohibit certain operations.
- If there is no response at all, the unit may have been affected by lightning or static electricity. Turn the unit off and on again. Alternatively, turn the unit off, disconnect the power source (AC or battery pack), reconnect the power and turn the unit on again.
- Condensation has formed: Wait 1 to 2 hours for it to evaporate.
- This unit cannot play discs other than those specified. **(5)**
- Clean the disc. **(5)**
- Ensure the disc is inserted correctly. **(8)**
- Check that the disc has something recorded on it.
- Check that the battery is installed correctly. **(7)**
- The battery is depleted: Replace it with new ones. **(7)**
- Point the remote control at the remote control sensor and operate. **(7)**
- You cannot add markers while playing a playlist or discs that do not show the elapsed time.
- The unit reads and displays the markers added with a DVD video recorder. You can clear them but reappear when you switch the unit to standby or open the lid.
- When you add and delete markers, the order of previously set markers changes because all markers are ordered by time.

Sound

There is a lot of noise.

No sound from the unit's speaker.

No sound from other speakers.

Cannot play multi channel surround sound

Distorted sound.

Piercing noise comes from the speakers.

Sound effects do not work.

Cannot record to digital recording equipment. (Incorrect sound recorded.)

- Move unit away from mobile phones.
- Noise may occur when playing WMA files.
- The speaker is off if the LCD is closed or headphones are connected.
- Turn up the volume. **(8)**
- Check all connections and settings. **(19), (21)**
- Output is in stereo (PCM) if you have changed the play speed.
- This unit plays DVD-Audio in 2 channels.
- Turn Advanced surround off if this occurs. **(10)**
- If you have connected a digital amplifier which does not include a decoder, be sure to select "PCM" in "Dolby Digital" or "DTS Digital Surround" in "Audio" tab. **(19)**
- Dialogue enhancer and Advanced surround do not work when the unit is outputting bitstream signals. **(19)**
- Advanced surround does not work if you have changed the play speed. **(16)**
- Some audio effects do not work or have less effect with some discs.
- 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 **(10)**
 - PCM Digital Output: Up to 48 kHz **(19)**
 - Dolby Digital/DTS Digital Surround: PCM **(19)**

Picture

The LCD is dark.

Picture distorted.

Menu not displayed correctly.

No picture on the LCD.

Picture doesn't appear on the television (or the size of the picture seems wrong).

LCD pixels turn black or radiate different colors.

- Adjust the brightness. (11)
- Some disruption is normal during SEARCH.
- Restore the zoom ratio to $\times 1.00$. (16)
- Set the subtitle position to 0. (11)
- Set "4:3 Aspect" in Display Menu to "Normal". (16)
- Select a monitor mode other than "OFF" (no picture). (11, **Selecting how to show 4:3 aspect pictures on the LCD**)
- Check connections. (21)
- Check that the television is on.
- Check that the input mode on the television is correct.
- Check the settings in "Video—TV Aspect". (19)
- Turn off the zooming feature on your television if you are using Zoom. (16)
- Ensure that the unit is connected directly to the television, and is not connected through a video cassette recorder. (21)
- The LCD is constructed with precision technology so 99.99 % of the pixels are active, but of the remaining of 0.01 %, there are pixels that may be black or emit light constantly. This phenomenon is not a malfunction.

Displays

"

On-Screen Menu Icons are cut off.

No On-Screen display.

"Check the disc."

" ERROR 01"

" ERROR 02"

" ERROR 03"

"H

stands for a number.

"No Select"

- The operation is prohibited by the unit or disc.
- Adjust the position. (15)
- Select "On" for "On-Screen Messages" in Display menu. (20)
- Clean the disc. (5)
- You inserted a DVD-R that has not been finalized.
- A problem has occurred with the battery pack. Consult your dealer.
- The battery pack has been recharging for 12 hours but has failed to recharge for some reason. Recharge again.
- You are recharging in a location that is too hot or too cold. Recharge at normal temperature [+5 to +35 °C (+41 to +95 °F)].
- Trouble has occurred. The number appearing after "H" depends on the problem. Turn the unit off and on again. Alternatively, turn the unit off, disconnect the power source (AC or battery pack) reconnect the power and turn the unit on again. If the service numbers fail to clear, note the service number and consult your dealer.
- Press [, -OFF], then retry the operation again.

[ⓘ] and [CHG] indicators

The [ⓘ] indicator flashes rapidly.

The [ⓘ] indicator flashes slowly.

The [CHG] indicator flashes rapidly.

The [CHG] indicator flashes slowly.

- The unit has malfunctioned. Consult your dealer.
- The unit is on and the LCD is closed or the monitor mode is set to "OFF" (no picture). Turn the unit off when you have finished.
- There is a problem with the battery pack. Turn the unit on and check the message on the LCD. **(28)**
- Battery pack charge is low. The unit will turn off automatically after a few minutes. **(6)**

Maintenance

To clean this unit, wipe with a soft, dry cloth.

- Use eyeglass cleaner to remove stubborn dirt from the LCD.
- Never use alcohol, paint thinner or benzene to clean this unit.

Maintenance of the lens

- Remove dust carefully with an air blower for camera lenses (optional).
- Recommended product:
Lens cleaner kit (SZZP1038C)
(Available from Panasonic dealers.)
- Be careful not to touch the lens with your fingers.

Limited Warranty (ONLY FOR U.S.A.)

Panasonic Consumer Electronics Company,
Division of Matsushita Electric Corporation
of America
One Panasonic Way Secaucus, New Jersey 07094

Panasonic Sales Company, Division of
Matsushita Electric of Puerto Rico, Inc.,
Ave. 65 de Infantería, Km. 9.5
San Gabriel Industrial Park, Carolina, Puerto Rico 00985

Panasonic DVD Player Limited Warranty

Limited Warranty Coverage

If your product does not work properly because of a defect in materials or workmanship, Panasonic Consumer Electronics Company or Panasonic Sales Company (collectively referred to as "the warrantor") will, for the length of the period indicated on the chart below, which starts with the date of original purchase ("Limited Warranty period"), at its option either (a) repair your product with new or refurbished parts, or (b) replace it with a new or a refurbished product. The decision to repair or replace will be made by the warrantor.

Product or Part Name	Parts	Labor
DVD Player	One (1) Year	Ninety (90) Days
Rechargeable Batteries (in exchange for defective item)	Ten (10) Days	Not Applicable

During the "Labor" Limited Warranty period there will be no charge for labor. During the "Parts" warranty period, there will be no charge for parts. You must mail-in your product during the warranty period. If non-rechargeable batteries are included, they are not warranted. This Limited Warranty only applies to products purchased and serviced in the United States or Puerto Rico. This Limited Warranty is extended only to the original purchaser and only covers product purchased as new. A purchase receipt or other proof of original purchase date is required for Limited Warranty service.

Mail-In Service

For assistance in the continental U.S.A. in obtaining repairs please ship the product to:

**Panasonic Services Company
Customer Servicenter
Suite B
4900 George McVay Drive
McAllen, TX 78503**

For assistance in Puerto Rico call Panasonic Sales Company (787)-750-4300 or fax (787)-768-2910.

When shipping the unit carefully pack and send it prepaid, adequately insured and preferably in the original carton. Include a letter detailing the complaint and provide a day time phone and/or email address where you can be reached.

IF REPAIR IS NEEDED DURING THE LIMITED WARRANTY PERIOD THE PURCHASER WILL BE REQUIRED TO FURNISH A SALES RECEIPT/PROOF OF PURCHASE INDICATING DATE OF PURCHASE, AMOUNT PAID AND PLACE OF PURCHASE. CUSTOMER WILL BE CHARGED FOR THE REPAIR OF ANY UNIT RECEIVED WITHOUT SUCH PROOF OF PURCHASE.

Limited Warranty Limits And Exclusions

This Limited Warranty ONLY COVERS failures due to defects in materials or workmanship, and DOES NOT COVER normal wear and tear or cosmetic damage. The Limited Warranty ALSO DOES NOT COVER damages which occurred in shipment, or failures which are caused by products not supplied by the warrantor, or failures which result from accidents, misuse, abuse, neglect, mishandling, misapplication, alteration, faulty installation, set-up adjustments, misadjustment of consumer controls, improper maintenance, power line surge, lightning damage, modification, or commercial use (such as hotel, office, restaurant, or other business), rental use of the product, or service by anyone other than a Factory Servicenter or other Authorized Servicer, or damage that is attributable to acts of God.

THERE ARE NO EXPRESS WARRANTIES EXCEPT AS LISTED UNDER "LIMITED WARRANTY COVERAGE". THE WARRANTOR IS NOT LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THIS PRODUCT, OR ARISING OUT OF ANY BREACH OF THIS WARRANTY. (As examples, this excludes damages for lost time, cost of having someone remove or re-install an installed unit if applicable, travel to and from the servicer, loss of or damage to media or images, data or other recorded content. The items listed are not exclusive, but are for illustration only.) ALL EXPRESS AND IMPLIED WARRANTIES, INCLUDING THE WARRANTY OF MERCHANTABILITY, ARE LIMITED TO THE PERIOD OF THE LIMITED WARRANTY.

Some states do not allow the exclusion or limitation of incidental or consequential damages, or limitations on how long an implied Limited Warranty lasts, so the exclusions may not apply to you.

This Limited Warranty gives you specific legal rights and you may also have other rights which vary from state to state. If a problem with this product develops during or after the Limited Warranty period, you may contact your dealer or Servicenter. If the problem is not handled to your satisfaction, then write to the warrantor's Consumer Affairs Department at the addresses listed for the warrantor.

PARTS AND SERVICE, WHICH ARE NOT COVERED BY THIS LIMITED WARRANTY, ARE YOUR RESPONSIBILITY.

Customer Services Directory

Obtain Product Information and Operating Assistance; locate your nearest Dealer or Servicer; purchase Parts and Accessories; or make Customer Service and Literature requests by visiting our Web Site at:

<http://www.panasonic.com/support>

or, contact us via the web at:

<http://www.panasonic.com/contactinfo>

You may also contact us directly at:

1-800-211-PANA (7262),

Monday-Friday 9 am-9 pm; Saturday-Sunday 10 am-7 pm, EST.

For hearing or speech impaired TTY users, TTY: 1-877-833-8855

Accessory Purchases

Purchase Parts, Accessories and Instruction Books online for all Panasonic Products by visiting our Web Site at:

<http://www.pasc.panasonic.com>

or, send your request by E-mail to:

npcparts@panasonic.com

You may also contact us directly at:

1-800-332-5368 (Phone) 1-800-237-9080 (Fax Only) (Monday – Friday 9 am to 8 pm, EST.)

Panasonic Services Company

20421 84th Avenue South, Kent, WA 98032

(We Accept Visa, MasterCard, Discover Card, American Express, and Personal Checks)

For hearing or speech impaired TTY users, TTY : 1-866-605-1277

Service in Puerto Rico

Matsushita Electric of Puerto Rico, Inc. Panasonic Sales Company

Factory Servicer:

Ave. 65 de Infantería, Km. 9.5, San Gabriel Industrial Park, Carolina, Puerto Rico 00985

Phone (787)750-4300, Fax (787)768-2910

F1003

Product Service

- Damage requiring service**—The unit should be serviced by qualified service personnel if:
 - The AC power supply cord or AC adaptor has been damaged; or
 - Objects or liquids have gotten into the unit; or
 - The unit has been exposed to rain; or
 - The unit does not operate normally or exhibits a marked change in performance; or
 - The unit has been dropped or the cabinet damaged.
- Servicing**—Do not attempt to service the unit beyond that described in these operating instructions. Refer all other servicing to authorized servicing personnel.
- Replacement parts**—When parts need replacing ensure the servicer uses parts specified by the manufacturer or parts that have the same characteristics as the original parts. Unauthorized substitutes may result in fire, electric shock, or other hazards.
- Safety check**—After repairs or service, ask the servicer to perform safety checks to confirm that the unit is in proper working condition.

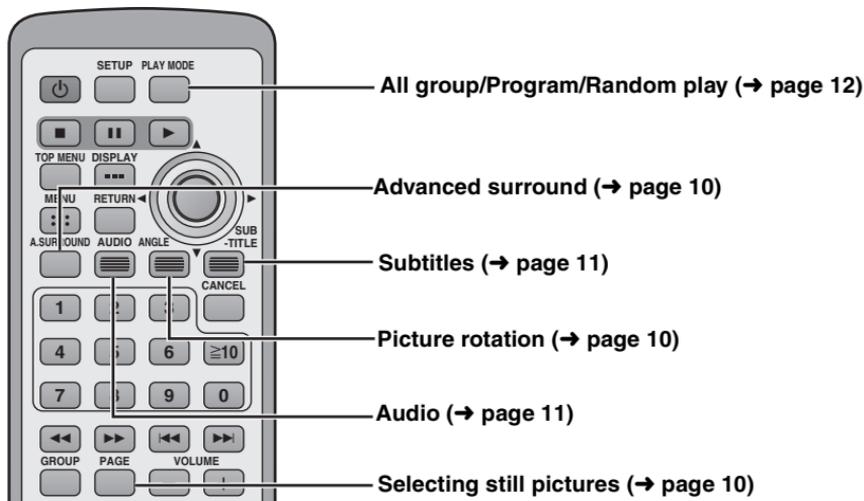
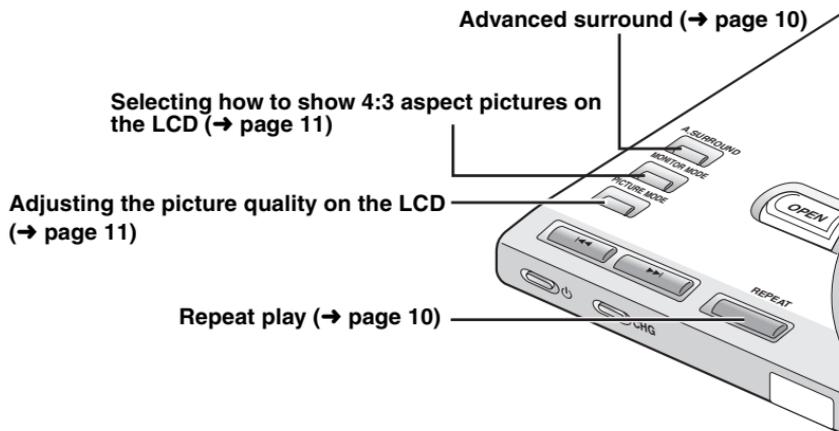
Product information

For product information or assistance with product operation:

In the U.S.A., contact the Panasonic Customer Call Center at 1-800-211-7262, or the website <http://www.panasonic.com/contactinfo>, or the website (<http://www.panasonic.com/support>).

In Canada, contact the Panasonic Canada Inc. Customer Care Centre at 1-800-561-5505, or visit the website (www.panasonic.ca), or an authorized Servicer closest to you.

Useful function guide



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One Panasonic Way Secaucus, New Jersey 07094
<http://www.panasonic.com>

Panasonic Sales Company, Division of Matsushita Electric of Puerto Rico, Inc.
("PSC")
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