

***Pioneer***

**PORTABLE DVD PLAYER**

**PDV-LC10**

(with liquid crystal display)

**PDV-10**

**Operating Instructions**



## IMPORTANT



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.

## CAUTION

**RISK OF ELECTRIC SHOCK  
DO NOT OPEN**



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

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

## IMPORTANT

### FOR USE IN THE UNITED KINGDOM

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

**blue      neutral**  
**brown     live**

If the plug provided is unsuitable for your socket outlets, the plug must be cut off and a suitable plug fitted.

The cut-off plug should be disposed of and must not be inserted into any 13 amp socket as this can result in electric shock. The plug or adaptor or the distribution panel should be provided with 5 amp fuse. As the colours of the wires in the mains lead of this appliance may not correspond with coloured markings identifying the terminals in your plug, proceed as follows :

The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black.  
The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.

Do not connect either wire to the earth terminal of a three pin plug.

### NOTE

After replacing or changing a fuse, the fuse cover in the plug must be replaced with a fuse cover which corresponds to the colour of the insert in the base of the plug or the word that is embossed on the base of the plug, and the appliance must not be used without a fuse cover. If lost, replacement fuse covers can be obtained from your dealer.

This appliance is rated at 13 amps.  
Only 5 amp fuses approved to B.S. 1362 A.S.T.A. should be used.

## CAUTION

This product contains a laser diode of higher class than 1. To ensure continued safety, do not remove any covers or attempt to gain access to the inside of the product.

Refer all servicing to qualified personnel.

**WARNING:** TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

*This product complies with the Low Voltage Directive (73/23/EEC), EMC Directives (89/336/EEC, 92/31/EEC) and CE Marking Directive (93/68/EEC).*

**THE POWER ON/OFF/HOLD SWITCH IS SECONDARY CONNECTED AND THEREFORE DOES NOT SEPARATE THE UNIT FROM MAINS POWER IN THE STANDBY POSITION.**

## The following caution label appear on your player.

Location: On the bottom of the player

**CLASS 1  
LASER PRODUCT**

On the bottom of the player

### CAUTION

VISIBLE AND INVISIBLE LASER  
: RADIATION WHEN OPEN.  
AVOID EXPOSURE TO BEAM.

### VORSICHT

SICHTBARE UND UNSICHTBARE  
: LASERSTRAHLUNG, WENN ABDECKUNG  
: GEÖFFNET NICHT DEM STRAHL  
: AUSSETZEN!

### ADVARSEL

SYNLIG OG USYNLIG LASERSTRÅLING  
: VED ÅBNING UNDGÅ UDSÆTTELSE  
FOR STRÅLING.

### VARNING

SYNLIG OCH OSYNLIG LASERSTRÅLNING  
: NÄR DENNA DEL ÄR ÖPPNAD BETRÄKTA  
EJ STRÅLEN.

### VARO!

AVATTAESSÄ ALTISTUT NÄKYVÄÄ JA  
: NÄKYMÄTTÖMÄLLÄ LASERSATEIL YLLÄ  
ALA KATSO SÄTEESEN.

VRW1796

## CONGRATULATIONS ON YOUR PURCHASE OF THIS FINE PIONEER PRODUCT.

Pioneer is on the leading edge of DVD research for consumer products and this unit incorporates the latest technological developments.

We are sure you will be fully satisfied with the DVD player.

Thank you for your support.

Please read through these operating instructions so you will know how to operate your model properly. After you have finished reading the instructions, put them away in a safe place for future reference.

- This player is not suitable for commercial use.

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.

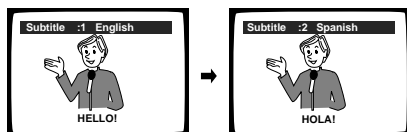
# Features of This Player

## Main Features

### Convenient DVD functions

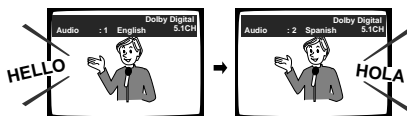
#### Choice of the desired subtitle language

With this player you can select one of several subtitle languages recorded on the DVD. (Pages 63 and 75)



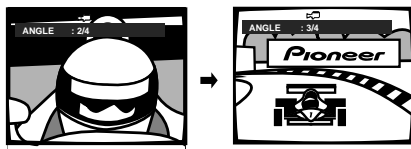
#### Choice of the desired audio language

With this player you can select one of several audio languages recorded on the DVD. (Pages 64 and 77)



#### Choice of the desired angle

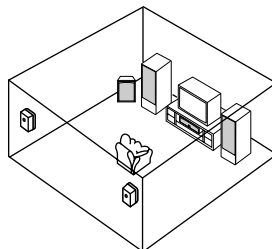
With this player you can select one of several viewing angles recorded on the DVD. (Page 104)



### Various DVD sound options

#### Dolby Digital/DTS compatibility - for the powerful sound of movie theaters \*1)

DVDs of movies or music with sound recorded on 5.1 channels can be played with a rich sense of presence. (Page 72)



#### 24 bit/96 kHz compatibility for even higher sound quality than CDs

This player offers direct 96 kHz signal output, providing high quality stereo sound. (Page 73)

\*1): A separately sold compatible amplifier/decoder, etc., are required for playing Dolby Digital\*/DTS\*\* sound.

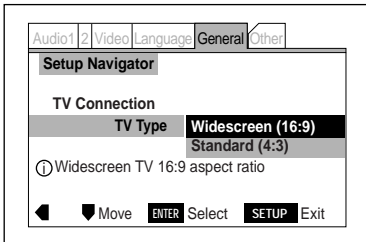
\* Manufactured under license from Dolby Laboratories. "Dolby", "AC-3" and the double-D symbol are trademarks of Dolby Laboratories. Confidential Unpublished Works. © 1992-1997 Dolby Laboratories. All rights reserved.

\*\* "DTS" and "DTS Digital Surround" are trademarks of Digital Theater Systems, Inc. Manufactured under license from Digital Theater Systems, Inc.

## Setup screen with top priority on easy operation

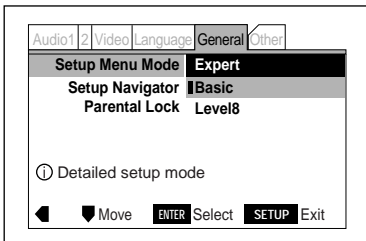
### Interactive system setup

The Setup Navigator function automatically sets the disc language and settings related to connections with a TV and amplifier. (Page 42)



### Choice of two system setup modes

This player offers a choice of two system setup modes: "Basic" for easy setup and "Expert" for more advanced settings. (Pages 57 and 62)



## Other features

### Quick setup screen settings

On-screen information helps you make the settings on the setup screen. (Page 58)

### Selection of screen size at the touch of a button

The screen size of the PDV-LC10's wide 7-inch thin liquid crystal display can be switched between normal, full, zoom and off at the touch of a button. (Page 19)

### Setup screen settings can be made and checked during playback

Unlike previous players, on this player the setup screen can be displayed and the settings made or checked while the disc is playing, providing greater convenience.

### Battery pack for outdoor use (PDV-LC10 only)

The battery pack (PDV-BT10) is also commercially available.

### Energy-saving design

This player is designed to use minimal electricity when in the standby mode. Refer to page 125 for the power consumption in the standby mode.

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# Cautions on Using this Player

## Do not move the player during playback

During playback, the disc spins at high speed, so do not lift or move the player. Doing so may damage the disc.

## When transporting the player

Be sure to remove the disc and close the lid when transporting the player. Also slide the power switch to turn off the power, then unplug the power cord once "OFF" on the display window turns off and the power indicator (red) lights. Transporting the player with a disc loaded may result in damage.

## Place of installation

- Select a stable place near the TV or stereo system to which you are going to connect the player.
- Do not place the player on top of a TV or color monitor. Install the player away from cassette decks or other devices which are easily affected by magnetic forces.

## Do not place objects on top of the player

Do not place any objects on top of the player.

## Turn off the power when not using the player

Depending on the TV reception conditions, stripes may appear on the TV screen when the TV is turned on while the player's power is on. This is not a malfunction of the player or the TV. If this should happen, turn off the player's power. Noise may also be generated in the sound of a radio when the player's power is on.

### Special note regarding use of player in vehicles

- We strongly advise against using the player while driving.
- Most countries and states have laws which prohibit or severely restrict the use of the player in vehicles while driving.
- Do not leave the player or the battery pack in places where the temperature is extremely low (about  $-10^{\circ}\text{C}$  or lower) or extremely high (about  $60^{\circ}\text{C}$  or higher), such as inside the passenger cabin or trunk in midsummer. Doing so may warp the outer case or reduce the performance or quality of the battery pack.

## When carrying on planes

Heed the airline company's rules.

## When carrying in hospitals

Heed the hospital's rules.



### Cleaning the player

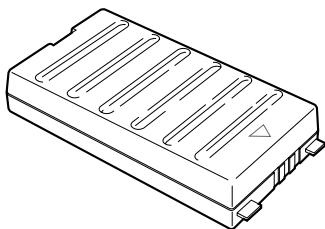
Normally clean the player using a soft, dry cloth. For tough dirt, apply some neutral detergent diluted in 5 to 6 parts water to a soft cloth, wring out thoroughly, wipe off the dirt, then wipe off the player with a dry cloth. Note that alcohol, thinner, benzene, insecticides, etc., may cause the print or coating to peel off. Also avoid leaving rubber or plastic products in contact with the player for long periods of time, as this may damage the cabinet. When using chemically treated cloths, read the cloth's instructions carefully. Always unplug the power cord from the power outlet before cleaning the player.

To clean dirt off the liquid crystal display, wipe the display gently with a soft, dry cloth (such as an eyeglass cleaning cloth). Note that leaving water droplets on the display for long periods of time may result in discoloration or stains. For tough dirt, use a commercially available liquid crystal display cleaner.

### Copyrights

Unauthorized duplication, broadcast, public performance or rental of discs is prohibited by law.

# Precautions for Battery Pack Operation (PDV-LC10)



## Operation of the battery pack

- Charge the battery pack fully before using it for the first time.
- When the surrounding temperature is high, the battery pack may sometimes be unusable due to activation of protection circuitry.
- When the portable DVD player is powered from the battery pack and if the player has not been operated for about 5 minutes with the power switched on, the player will turn off automatically. (Auto power OFF)
- During battery pack operation, the display of the portable DVD player may become dim. This is to save power and is not a malfunction.
- The battery pack becomes hot after use and the portable DVD player also becomes hot during use. This is not malfunction.
- When the battery pack is not to be used for a long period, be sure to remove it from the portable DVD player. If the battery pack is left attached, continual flow of weak current renders it overdischarged and eventually unusable even when you try to charge it later.
- If the portable DVD player is switched on while the battery pack is not fully charged, the operation may sometimes be unstable. Be sure to charge the battery pack fully before use.

## Storage

- The battery pack should be stored under an surrounding temperature between 15 and 25°C. Avoid storing it under extremely low temperatures, in a place with high temperature and high humidity or in a place subject to soot, etc.
- When the battery pack is stored for a long period, at least once an year it is recommended to discharge it fully on the portable DVD player, recharge it fully and store it again.

## Service life and disposal




- When the charging time or available operation time becomes extremely short, the battery may be reaching the end of its life. The battery pack can be used for about 300 cycles of recharging and operations.
- To dispose of a used battery pack, wrap a piece of tape around the terminal section and treat it in compliance with your local regulations.

## To extend the service life of the battery pack

The battery pack incorporates nickel-hydrogen cells. To extend its service life, it is recommended to discharge it fully before every recharging.

# Types of Discs Playable on this Player

- The discs listed on the table below can be played on this player without an adapter.
- Discs other than the ones listed below cannot be played on this player.
- The marks shown on the table below are indicated on the disc's label, package or jacket.
- To prevent malfunction, etc., do not use 8 cm adapters (for CDs).

Types of playable discs and their marks	Diameter/Playable sides		Playback time
DVD VIDEO 	12 cm/single-sided	1 layer	(MPEG 2 format) 133 minutes (4.7 GB)
		2 layer	242 minutes (8.5 GB)
	12 cm/double-sided	1 layer	266 minutes (9.4 GB)
		2 layer	484 minutes (17 GB)
	DVD video 8 cm/single-sided	1 layer	(MPEG 2 format) 41 minutes
		2 layer	75 minutes
	8 cm/double-sided	1 layer	82 minutes
		2 layer	150 minutes
VIDEO CD 	Video CD		(MPEG 1 format)
	12 cm/single-sided		74 minutes
	Video CD single		(MPEG 1 format)
CD 	8 cm/single-sided		20 minutes
	CD		74 minutes
	12 cm/single-sided		
	CD single		20 minutes
	8 cm/single-sided		

## NOTE:

To prevent malfunction, do not play discs other than the ones listed above (for example DVD audio discs, DVD-ROMs, CD-ROMs, DVDs with region numbers other than this player's region number (see page 127), etc.).

# Types of Discs Playable on this Player

## Marks indicated on DVDs

DVD discs or packages include the marks shown below. These marks indicate the type of video or audio signals recorded on the disc and the functions that can be used.

Mark	Meaning
	Indicates the number of audio tracks.
	Indicates the number of angles.
	Indicates the selectable picture aspect ratio.
	Indicates the playable region number. DVDs for which the region number is "2" or "ALL" can be played on this player.

## Disc structure

CDs and video CDs are divided in units called tracks. (Generally one track corresponds to one song. Tracks are sometimes further divided into indexes.)

CDs

Track 1

Track 2

Track 3

Track 4

Track 5

Video CDs

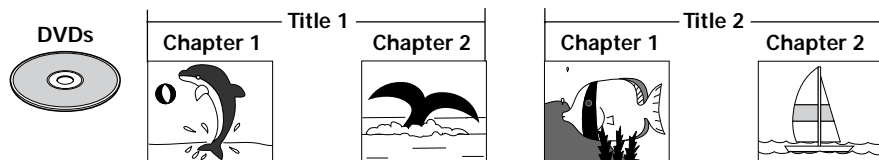
Track 1

Track 2

Track 3

Track 4

DVDs are divided in units called titles, which are further divided in chapters. They also include menu screens that do not belong to any title. With movies, normally one movie corresponds to one title. On karaoke discs, one song corresponds to one title. Some discs are not divided in this way, however, so be careful when using the search and programming functions.



### Disc operation

With some DVDs it is intentionally prohibited to change the operating method or to perform certain operations. Because of this, operating procedures may differ for different discs and for some discs certain operations may not be possible.

With Pioneer DVD players, a mark indicating the operation is prohibited ("prohibition mark") is displayed on the screen when the user attempts to perform a prohibited operation. In addition, with discs on which interactive operations are possible on menus or during playback, the data on the disc is branched rather than continuous, so some operations (repeat, programming, etc.) may not be possible. In such cases, Pioneer DVD players display a prohibition mark.

Disc prohibition mark



Player prohibition mark



# Using These Operating Instructions

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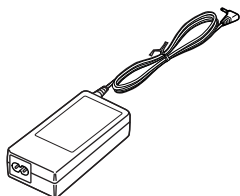
**Be sure to read these operating instructions before using the player to ensure you take maximum advantage of all the functions this player offers. Note that these operating instructions describe the operation of two players, the PDV-LC10 portable DVD player with liquid crystal display and the PDV-10 portable DVD player. Some descriptions use illustrations of the type equipped with a liquid crystal display.**

- When this player is connected to a TV or AV amplifier, the setup screen must be displayed and the various settings must be switched according to the connected equipment. This player is equipped with an extremely convenient function called the "Setup Navigator" in which the disc language setting and connection settings are set automatically when the user answers questions in interactive fashion. (Page 42)
- With DVDs it is possible to switch the subtitle and audio languages and to select the desired sound mode from among multiple sound tracks (Dolby Digital, DTS, etc.). The setup screen is where these settings are stored temporarily. This player is equipped with two levels of setup screens, "Basic" and "Expert", which can be selected as necessary according to the viewing environment and the frequency of use of the different setting items. (Page 57)
- In order to take full advantage of the many functions this player has to offer, be sure to store these operating instructions in a readily accessible place.

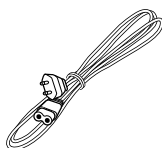
# Checking the Accessories

After unpacking the player, check that all the accessories listed below are included.

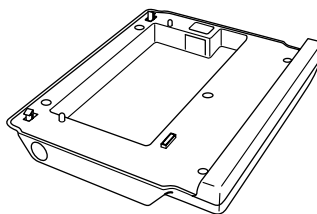
**AC adapter**



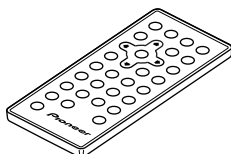
**Power cord**



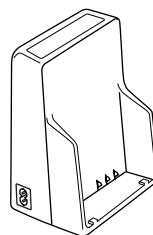
**PDV-LC10 only:  
Battery case**



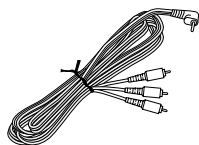
**CU-PDV003 card remote control unit  
(with lithium battery)**



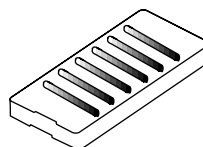
**Charger**



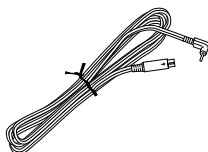
**AV cable (4-pole miniplug - RCA x 3)**



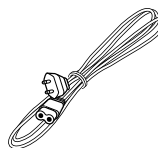
**Battery pack**



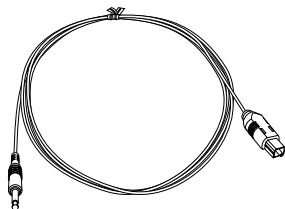
**S-Video cable (3-pole miniplug -  
S plug)**



**Power cord**



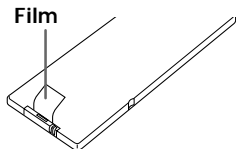
**Optical fiber cable**



**Operating instructions (this manual)**

# Remote Control Unit and Main Unit Preparations

## Notes on using the remote control unit

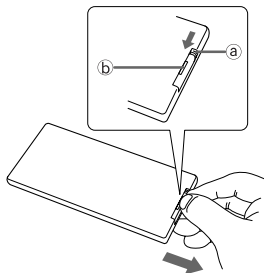


- Before using the remote control unit for the first time, pull out the film from the back of the remote control unit.
- Do not drop or step on the remote control unit or subject it to shocks. Doing so may damage it.

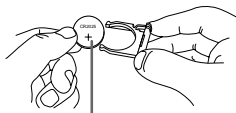
- Note that it may not be possible to operate the remote control unit if there are obstacles between it and the remote sensor.
- Do not expose the remote sensor to strong light. Doing so may make operation impossible.
- Use the remote control unit within the specified operating range.

## Replacing the battery

- 1 Insert your fingernails into ① and ② on the diagram below, press ① in the direction of the arrow, then pull out the battery holder.

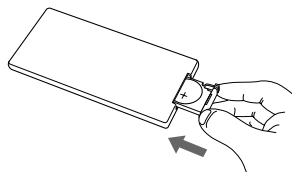


- 2 Remove the old battery, then insert the new battery into the battery holder with the ⊕ side facing upwards.



Lithium battery (CR2025)

- 3 Fit the battery holder back into place.



### Note:

To prevent leakage of fluid from the lithium battery, remove the battery when not using the remote control unit for long periods of time (one month or more). If the fluid should leak, carefully wipe any fluid out of the battery case, then insert a new lithium battery.



## WARNING

(lithium battery)

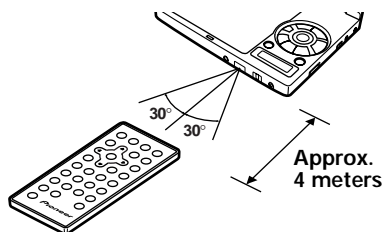
- Keep out of the reach of children.
- Contact a physician immediately if a battery should be swallowed.
- Do not take apart, dispose of in flames, charge, heat, solder or short-circuit.

### CAUTION

Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer. Discard used batteries according to the manufacturer's instructions.



## Remote control unit operating range



The remote control unit will operate within a distance of approximately 4 meters.

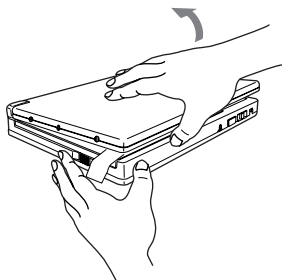
### Note:

Most of the player's operations can be performed from the remote control unit. Some operations, however, can only be performed from the main unit.

## Removing the player's shipping spacer

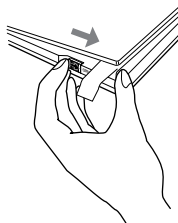
Remove the shipping spacer before turning on the player's power.

- 1 For the PDV-LC10, gently lift the liquid crystal display in the direction of the arrow.

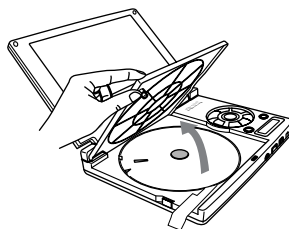


- 2 Slide the OPEN switch to the ▢ side and open the lid.

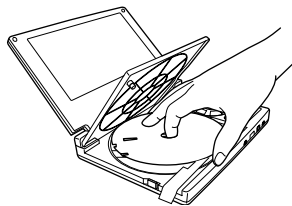
The lid pops slightly open.



- 3 Lift the lid to open it.



- 4 Gently remove the shipping spacer.



### Note:

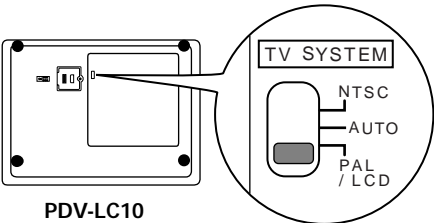
Be sure to slide the OPEN switch to open the lid. Forcing the lid open may damage the player. Also, do not force the lid beyond the fully opened position. Doing so may damage it.

Setting the TV SYSTEM switch

TV SYSTEM switch

Video output changes as follows according to the playback disc's recorded format.

NTSC → PAL, PAL → NTSC conversion is possible on Video CDs. PAL → NTSC conversion is not possible on DVDs. When the TV SYSTEM switch is set to the AUTO position, the disc's format will be output as is. When a CD or disc is not loaded, the previous video output format will be selected.



PDV-LC10

About MOD. (Modulation) PAL

- SHRINK  
Most models of the newly developed countdown PAL TV system detect 50 Hz (PAL)/60 Hz (NTSC) and automatically switch vertical amplitude, resulting in a display without vertical shrinkage.
- If your PAL TV does not have a V-Hold control, you may not be able to view NTSC disc because the picture may roll. If the TV has a V-Hold control, adjust it until the picture stops rolling. On some TVs, the picture may shrink vertically, leaving black bands at the top and bottom of the screen. This is not a malfunction; it is caused by the NTSC → PAL conversion.

Position of TV SYSTEM switch	Liquid crystal display	DVD		Video CD		CD, No disc
		NTSC discs	PAL discs	NTSC discs	PAL discs	—
NTSC	Power off	NTSC	—	NTSC	NTSC	NTSC
AUTO	Power off	NTSC	PAL	NTSC	PAL	NTSC or PAL
PAL/LCD	Power on	MOD.PAL	PAL	MOD.PAL	PAL	PAL

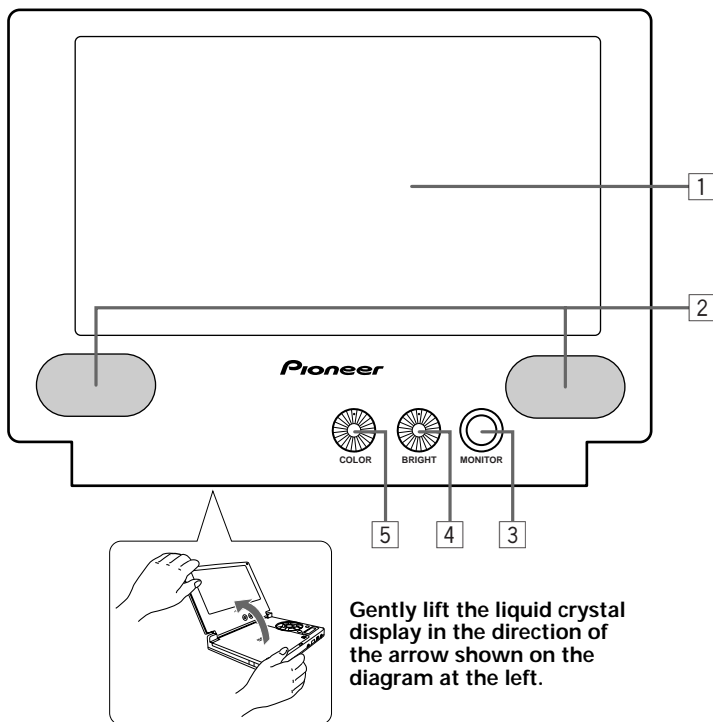
Note:

With the PDV-LC10, when the TV SYSTEM switch is set to anything other than "PAL/ LCD", the Liquid Crystal Display (LCD) is turned off.

# Part Names and Functions

## Liquid crystal display (PDV-LC10 only)

The PDV-LC10 portable DVD player is equipped with a liquid crystal display.

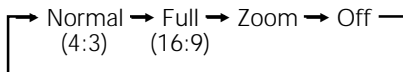


### 1 Liquid crystal display

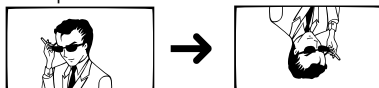
### 2 Speakers

### 3 MONITOR button

Press this to switch the screen size. The screen size switches as follows each time the button is pressed:



When the button is pressed for approximately 1 second, the picture turns upside-down.



Press the button again to turn the picture right-side up.

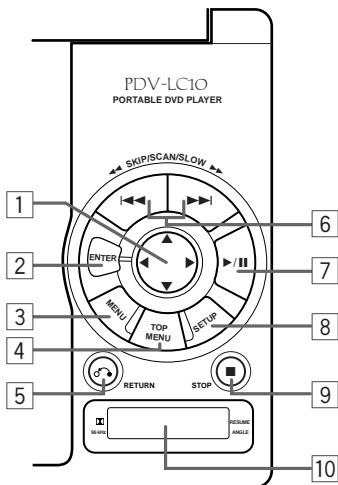
### 4 BRIGHT control

Use this to adjust the liquid crystal display's brightness.

### 5 COLOR control

Use this to adjust the color depth.

## Main unit control section



◀◀ : Reverse direction

▶▶ : Forward direction

### Hold scan function

Scanning is held when the previous or next button (◀◀ or ▶▶) is held in for over 5 seconds. Press the play button to switch back to the play mode.

### Step-by-step playback

Press the previous or next button (◀◀ or ▶▶) while in the pause mode for step-by-step playback.

### Slow playback

Press and hold in the previous or next button (◀◀ or ▶▶) while in the pause mode for slow playback.

#### 1 Cursor buttons (▲, ▼, ◀ and ▶)

Press these to select menu and top menu items or to set items on the setup screen.

#### 2 ENTER button

Press this to enter settings.

#### 3 MENU button

Press this to display the DVD's menu screen.

#### 4 TOP MENU button

Press this to display the DVD's top menu screen.

#### 5 RETURN button (↶)

Press this to return to the previous item.

#### 6 Previous/next buttons (◀◀ and ▶▶)

Use these buttons to scan forward or backward through pictures or sound (page 53), to search for the beginnings of tracks or chapters (page 54), for step-by-step playback (page 91) and for slow playback (page 92).

#### 7 Play/pause button (▶/⏸)

Press this to play pictures or sound. When pressed in the play mode, the still frame (for pictures) or pause (for sound) mode is set. Press again to resume playback.

#### 8 SETUP button

Press this to display the setup screen. The setup screen can be called out at any time, whether in the play or stop mode and regardless of the type of disc. Press the SETUP button again to turn the setup screen off after entering the settings.

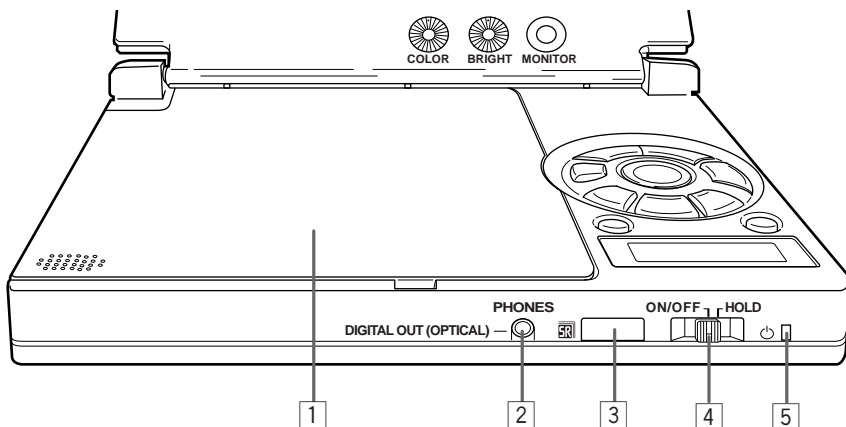
#### 9 STOP button (■)

Press this to stop the currently playing picture or sound.

#### 10 Display window

The player's operating status is displayed here. (Page 24)

## Main unit front panel

**1 Lid****2 PHONES/DIGITAL OUT (OPTICAL) jack**

To connect stereo headphones or an amplifier, connect the stereo minijack or optical digital cable here.

**3 Remote sensor**

The remote control signals are received here.

**4 Power ON/OFF/HOLD switch**

Slide the power switch to the ON/OFF side and hold it there for at least 1 second to turn the player's power on and off.

The hold (accidental operation prevention) function is turned on when the switch is slid to the HOLD side.

**Hold function**

The hold function disables the control buttons, so the currently playing picture or sound is not interrupted even if a control button is pressed accidentally during playback. "HOLD" appears on the main unit's display window if a control button is pressed while the hold function is on. Only the power button on the remote control unit functions when the hold function is on.

**5 Power indicator**

**Off:** The power is off.

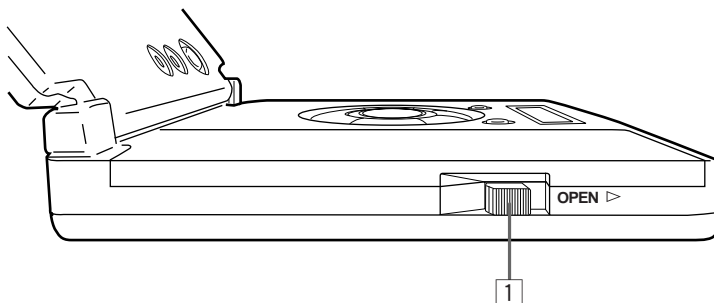
Turn on the power using the main unit's power switch.

**Red:** The power is set to the standby mode.

Turn on the power using the power switch on the main unit or the power button on the remote control unit.

**Green:** The power is on.

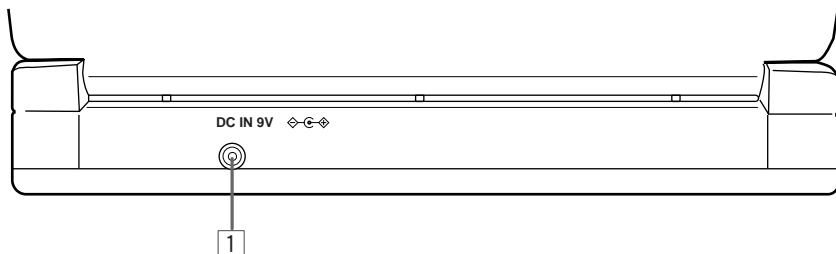
### Main unit left side



#### 1 OPEN switch

Slide the switch in the direction of the arrow (to the right) to open the lid.

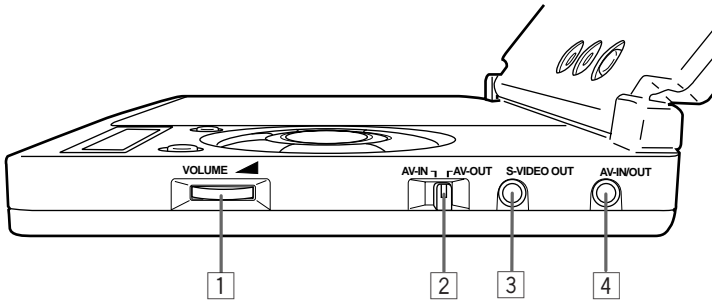
### Main unit rear panel



#### 1 DC IN jack

Connect the included AC adapter here.

## Main unit right side



### 1 VOLUME control

Use this to adjust the volume of the speakers or headphones.

### 2 Audio/video input/output selector switch (AV-IN/AV-OUT) (PDV-LC10 only)

Select input or output according to how you are using the audio/video input/output jack ([4]).

- Always set to the AV-OUT side when you want to play discs.
- When set to the AV-IN side, "AV-IN" appears on the main unit's display window.

### 3 S-Video output jack (S-VIDEO OUT)

To connect the player to a TV equipped with an S-Video input jack, connect the included S-Video cable here. This jack is S2-compatible.

### PDV-LC10:

#### 4 Audio/video input/output jack (AV-IN/OUT)

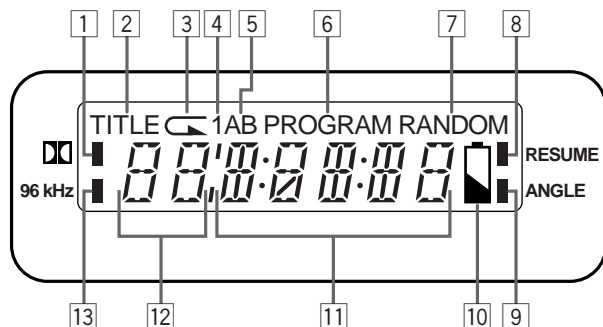
To connect the player to a TV, connect the included AV cable here. Select input or output with the AV-IN/AV-OUT selector switch [2].

### PDV-10:

#### 4 Audio/video output jack (AV-OUT)

To connect the player to a TV, connect the included AV cable here.

### Main unit display window



#### 1

This lights when playing discs recorded in Dolby Digital.

#### 2 **TITLE**

This lights when the information displayed in section 12 of the display is title information and when in the title repeat play mode (for DVDs only).

#### 3

This lights when in the repeat play mode.

#### 4 **1**

This lights when in the single repeat play mode.

#### 5 **AB**

This lights when in the AB repeat play mode.

#### 6 **PROGRAM**

This lights when in the programmed play mode.

#### 7 **RANDOM**

This lights when in the random play mode.

#### 8 **RESUME**

This lights when the resume function is on.

#### 9 **ANGLE**

This lights when the angle can be changed while playing DVDs.

#### 10

This lights when the remaining battery power is low and flashes when the battery is about to run out of power.

#### 11

During playback, the elapsed time of the current title (for DVDs) or track (for video CDs or CDs) is displayed here.

#### 12

The title or chapter number (for DVDs) or the track number (for video CDs and CDs) is displayed here.

#### 13 **96 kHz**

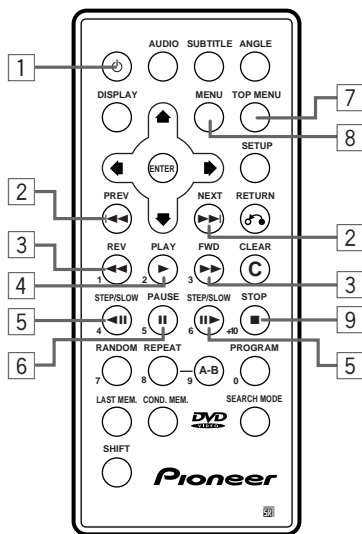
This lights when playing DVDs recorded in 96 kHz linear PCM.

#### **Hint:**

This display window also has the function of displaying the player's operating status in real time.



## Remote control unit (frequently used buttons)



### 1 Power button

The power turns on and off when this button is pressed while the power indicator on the main unit is lit red. (Page 41)

### 2 PREVIOUS/NEXT buttons (◀◀ and ▶▶)

Use these buttons to search for the beginnings of tracks or chapters. (Page 53)

◀◀ : Reverse direction

▶▶ : Forward direction

### 3 Scan buttons (◀ and ▶)

Use these buttons to scan forward and backward through pictures or sound. (Page 53)

◀ : Reverse direction

▶ : Forward direction

### 4 PLAY button (▶)

Use this button to play pictures or sound.

### 5 STEP/SLOW buttons

◀◀ : Press this button once for step-by-step playback in the reverse direction.

Press and hold the button in for slow playback in the reverse direction.

▶▶ : Press this button once for step-by-step playback in the forward direction.

Press and hold the button in for slow playback in the forward direction.

### 6 PAUSE button (||)

Press this button to stop the picture or sound temporarily. (Page 52)

### 7 TOP MENU button

Press this button to display the DVD's top menu screen.

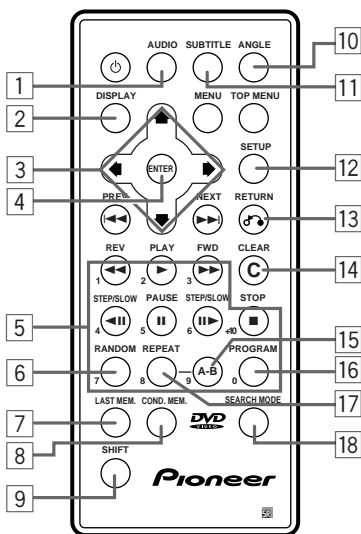
### 8 MENU button

Press this button to display the DVD's menu screen.

### 9 STOP button (■)

Press this button to stop playback of the picture or sound.

### Remote control unit (other buttons)



#### 1 AUDIO button

Press this button to switch the audio language. (Page 77)

#### 2 DISPLAY button

Press this button to display the disc information. (Page 113)

#### 3 Cursor buttons

Use these buttons when selecting setting items to move the cursor up, down, left and right.

#### 4 ENTER button

Press this to enter settings.

#### 5 Number buttons

Press these buttons while pressing the SHIFT button (9) to input numbers.

#### 6 RANDOM button

Press this button to play the titles or chapters (for DVDs) or the tracks (for video CDs and CDs) in random order. (Page 95)

#### 7 LAST MEMORY button

Use this button to store the position from which you want to start playback next. (Page 111)

#### 8 CONDITION MEMORY button

Use this button to store the settings of frequently viewed DVDs. (Page 112)

#### 9 SHIFT button

Press the number buttons (5) while pressing the SHIFT button to input numbers.

#### 10 ANGLE button

Press this to switch the DVD's angle. (Page 104)

#### 11 SUBTITLE button

Press this to switch the DVD's subtitle language. (Page 75)

#### 12 SETUP button

Press this to display the setup screen.

#### 13 RETURN button (↶)

Press this to return to the previous item.

#### 14 CLEAR button

Use this to clear the programmed play, random play and repeat play settings.

**15 A-B REPEAT button**

Press this button during playback to set two points and play the section between them repeatedly. (Page 94)

**16 PROGRAM button**

Press this button to program titles or chapters (for DVDs) or tracks (for video CDs and CDs) to play them in a desired order. (Page 96)

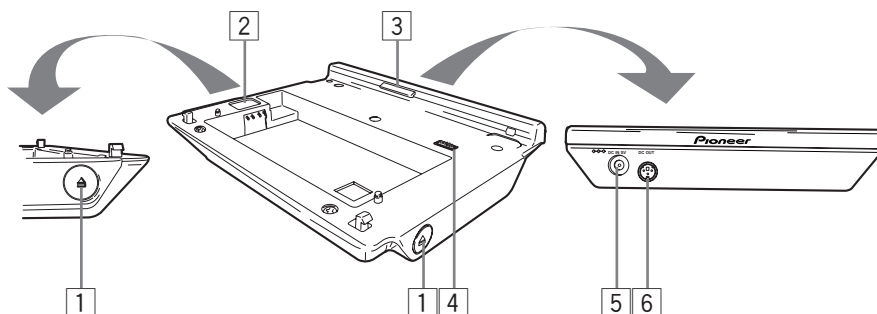
**17 REPEAT button**

For DVDs, use this button to play titles or chapters repeatedly. (Page 93)  
For CDs, use this button to play tracks or the entire disc repeatedly. (Page 93)

**18 SEARCH MODE button**

Press this to select the search mode. (Page 82)

### Names of battery case parts and their functions (PDV-LC10 only)



#### **1 Player eject buttons**

Press these buttons on the left and right side to detach the player.

- Removing the player and battery pack (Page 40)

#### **2 Battery release button**

Press to detach the battery pack.

- Removing the player and battery pack (Page 40)

#### **3 Rear guide**

When attaching the player to the battery case, align this guide with the guide hole on the rear of the player.

- Removing the player and battery pack (Page 40)

#### **4 Player terminals**

These supply power and signals to the player.

#### **CAUTION:**

Do not short-circuit the terminals.

#### **5 DC IN connector**

Connect the AC adapter which is provided with the player.

- AC power operation (Page 39)

#### **6 DC OUT connector**

For future use.

# Connecting the Player to Other Components

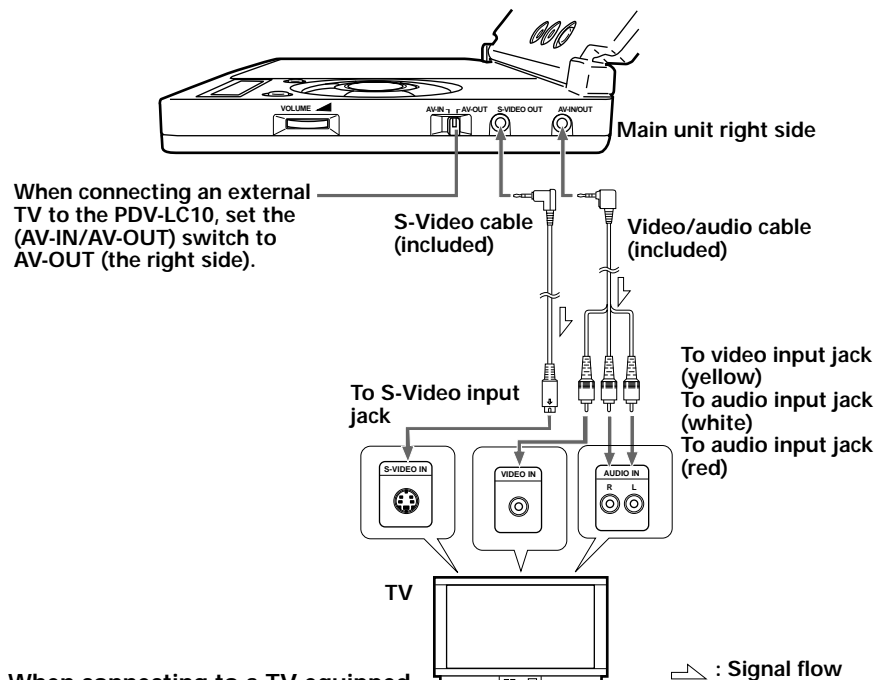
## Before connecting

- Turn off the power of the player and the components to be connected.
- Also read the operating instructions of the components to be connected.

This player is compatible with analog copy protect type copy guards. Because of this, **it may not be possible to achieve a normal playback picture when the player is connected to a TV via a video deck or when recordings made on a video deck are played.** Connect the player's video output directly to the TV.

## Connecting to a TV

Set the type of TV to be connected (16:9 or 4:3) using the procedure described under "Setting the type of TV to be connected". (Page 44)



## When connecting to a TV equipped with an S-Video input jack

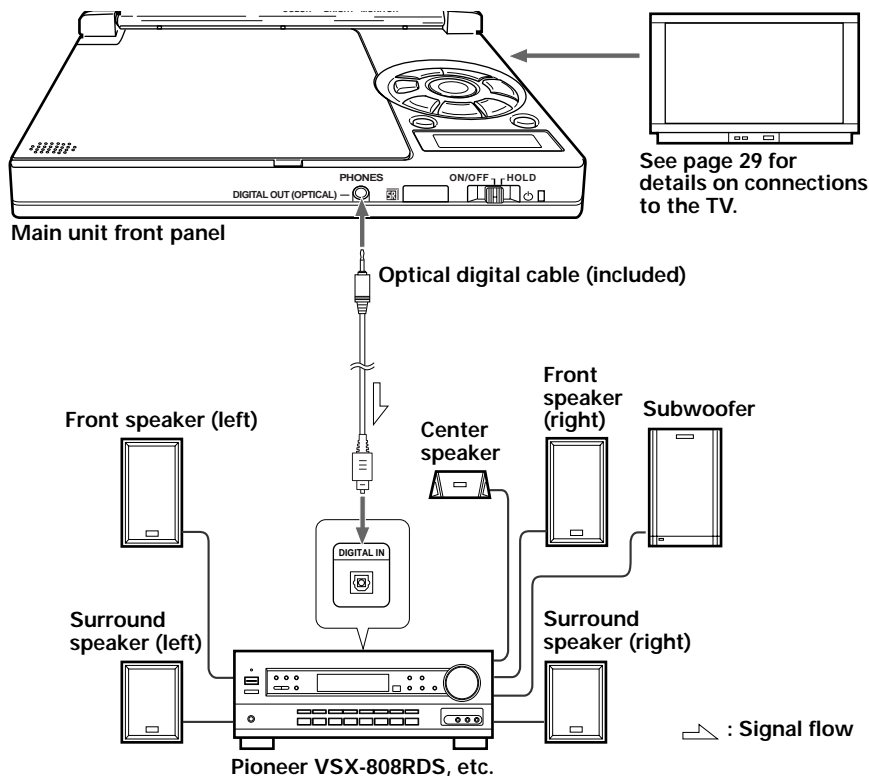
If your TV is equipped with an S-Video input jack, connect the S-Video cable (included) to achieve high quality pictures.

### Note:

For instructions on connecting the power cord, refer to page 41.

### Connecting to a Dolby Digital/DTS/MPEG decoder or an amplifier with a built-in decoder

With this player, the audio settings can be used to enjoy powerful Dolby Digital, DTS or MPEG sound. Output the digital signals from the player's digital output to a decoder or amplifier with built-in decoder. For instructions on making the audio settings, refer to "Setting the type of amplifier to be connected (digital jack)" (page 45). We recommend these connections when you are using the Pioneer VSX-808RDS amplifier.



See page 29 for details on connections to the TV.

#### Hint:

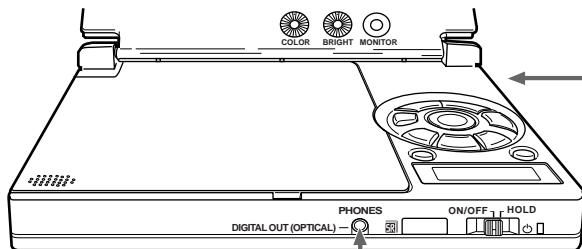
A compatible decoder or amplifier, 5 speakers (front left/right, center and surround left/right) and a subwoofer are required to enjoy Dolby Digital/DTS 5.1-channel sound.

#### Notes:

- The CD shockproof function (for preventing skipping when playing music CDs) will not work when an optical cable is connected. Do not subject the player to shocks during playback.
- With the PDV-LC10, no sound is produced from the player's speakers when an optical cable is connected.

## Connecting to a digital amplifier that is not Dolby Digital/DTS/MPEG-compatible

For instructions on making the audio settings, refer to “Setting the type of amplifier to be connected (digital jack)” (page 45).



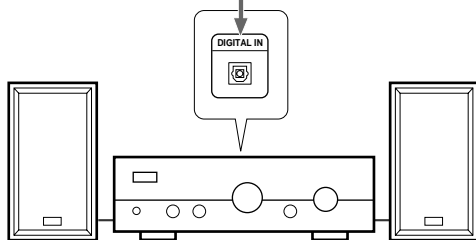
Main unit front panel



See page 29 for details on connections to the TV.

Optical digital cable (included)

To digital audio input jack

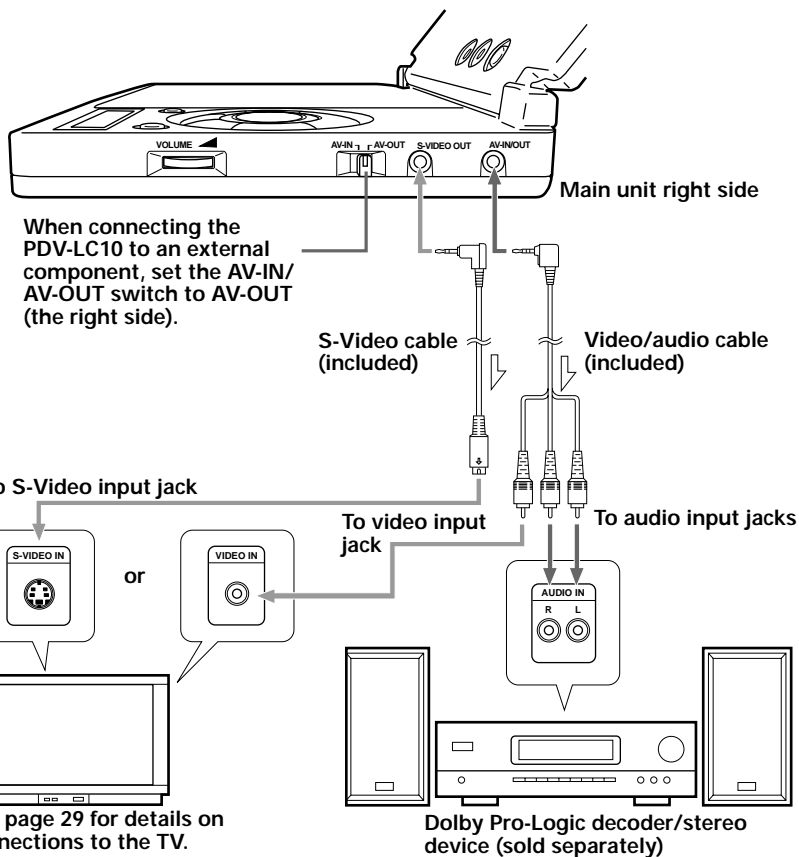


➞ : Signal flow

### Notes:

- Carefully check the player's digital output settings (page 45) before connecting the player to an amplifier equipped with a digital audio input jack which is not Dolby Digital/DTS/MPEG-compatible. **Playing DVDs when the audio settings are not correct may cause strong noise which could damage your speakers.**
- The CD shockproof function (for preventing skipping when playing music CDs) will not work when an optical cable is connected. Do not subject the player to shocks during playback.
- With the PDV-LC10, no sound is produced from the player's speakers when an optical cable is connected.

### Connecting to a Dolby Pro-Logic decoder/stereo device



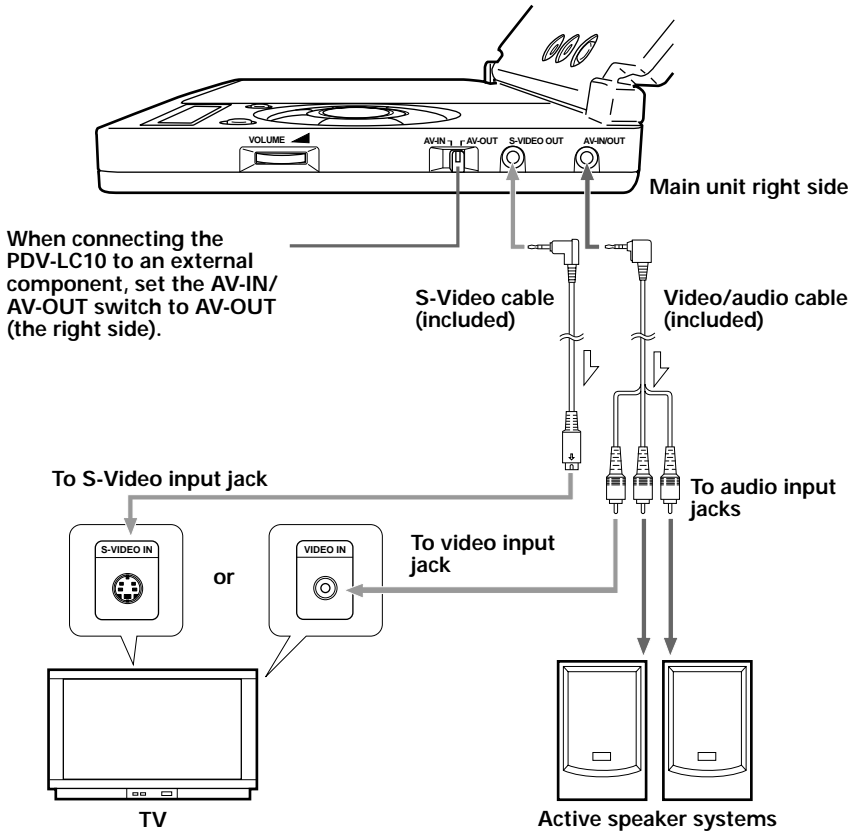
: Signal flow

#### Hints:

- The picture can be viewed when either the S-Video or video input jack is connected.
- When the player is connected to a Dolby Pro-Logic decoder, DVDs recorded in 5.1-channel Dolby Digital can be enjoyed in the Dolby Pro-Logic mode. A center speaker and surround speakers are required in addition to the speakers shown above in order to enjoy surround sound.



## Connecting to active speaker systems



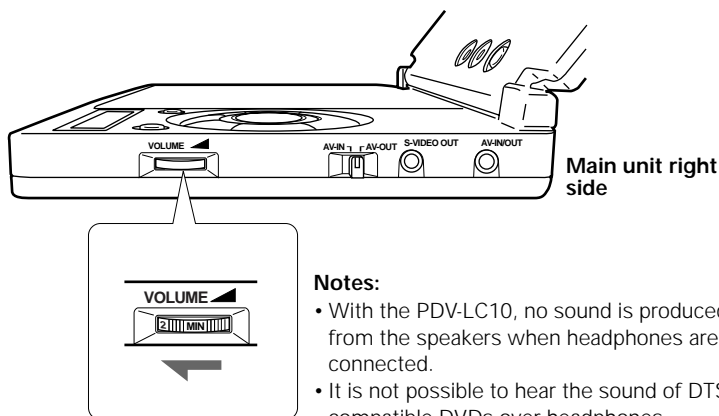
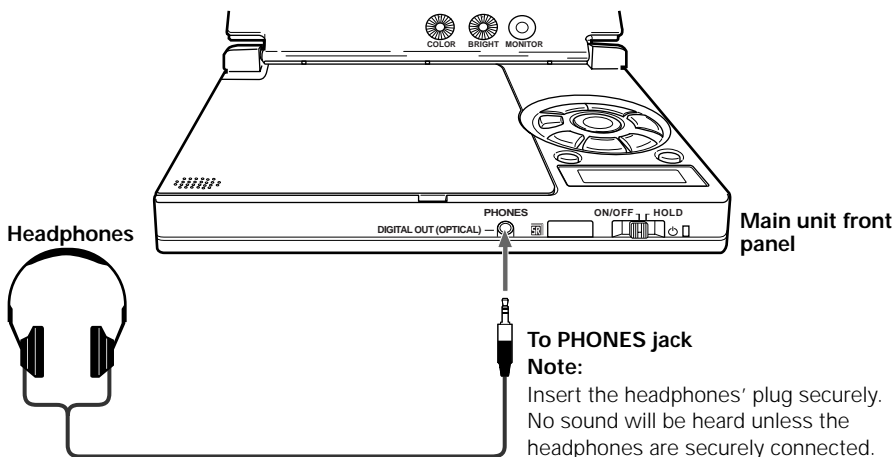
➡ : Signal flow

### Hint:

The picture can be viewed when either the S-Video or video input jack is connected.

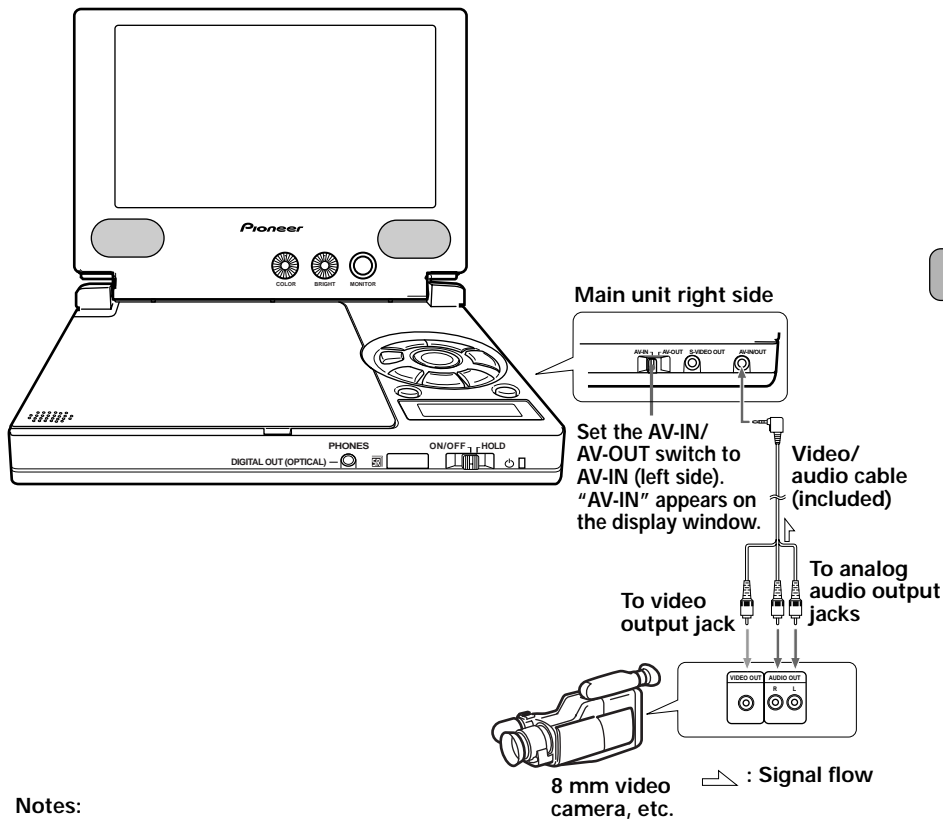
### Connecting headphones

Connect the headphones' plug securely to the PHONES jack on the player's front panel. To listen to music over the headphones, first turn the VOLUME control on the right side of the main unit to the left to lower the volume, then adjust the volume to a comfortable level. Be careful not to set the volume too high when using headphones.



## Connecting to a video component, etc. (PDV-LC10 only)

When a video component, etc., is connected, the picture and sound of the component can be enjoyed on the player's liquid crystal display and over the player's speakers.



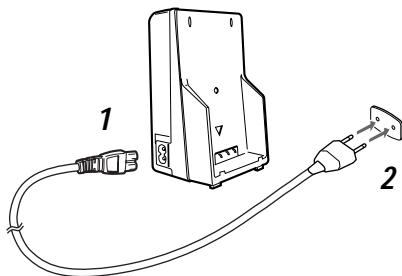
### Notes:

- The S-Video jack is for output only. Do not make connections to it.
- The player cannot be operated when the AV-IN/AV-OUT switch is set to AV-IN (video input).

# Using the Battery

## Recharging the battery pack (PDV-LC10 only)

Recharge the battery pack as described below.



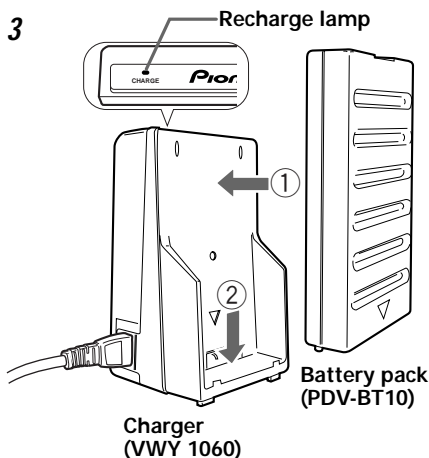
**1** Connect the power cord to the battery charger.

**2** Connect the power plug to the power outlet.

**3** Fit the battery pack into the battery charger.

Fit sections ① then ② securely.

- When recharging starts, the recharge lamp lights in red. If the recharge lamp blinks, the battery pack is not being recharged; wait a while before trying to recharge again.
- The recharge lamp goes out when recharging completes. After confirming that the lamp is extinguished, remove the battery pack and power cord.
- Recharging usually completes in about 2 hours 30 minutes, though this is variable depending on the operating conditions.



### Notes on the battery pack

- The battery pack can be used for about 300 cycles of recharging and operations, though this is variable depending on the operating conditions.
- Charge the battery pack fully before using it for the first time.

#### Note:

The battery charger is compatible with supply voltages between 100 and 240 V AC and can be used universally. When you want to use it on an overseas travel, however, be sure to prepare a power plug adapter matching the local power outlet.

#### CAUTION

- Place the battery charger on a level, flat surface for recharging.
- Do not short-circuit the terminals of the battery charger.

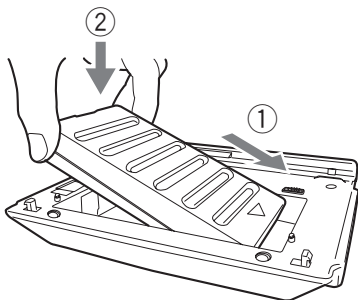
**Notes for recharging**

- When the battery pack is hot, it may take longer than usual time for recharging or may sometimes be unable to be recharged. Wait for the battery pack to cool down before retrying recharging.
- If the recharge lamp will not light, remove and fit the battery pack to the battery charger again.
- If the recharge lamp blinks, try recharging again under the allowable temperature range (between +5 and +35°C).
- To protect the battery pack, do not recharge a fully charged battery pack repeatedly. Repeated overcharging may deteriorate the battery performance.
- The battery pack becomes hot after recharging, but this is not malfunction.
- Be sure to remove the power plug from the power outlet after recharging. If the power plug is left connected, power of about 1 Watt will be consumed.
- When the battery pack is recharged in a hot environment, it may not recharge fully.
- The temperature during recharging affects the recharging efficiency. Recharging is most efficient between temperatures of 10 and 30°C. Place the battery charger in a place within this temperature range whenever possible.

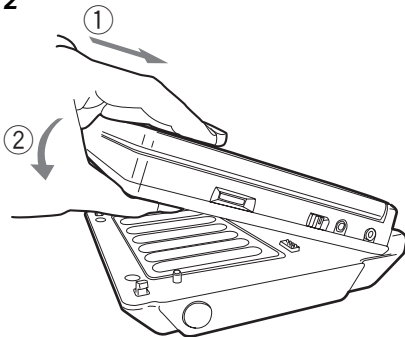
### Attaching the battery pack and player (PDV-LC10 only)

Attach the battery pack and player to the battery case as described below.

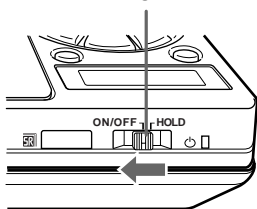
1



2



3



#### Battery pack operation

##### 1 Attach the battery pack to the battery case.

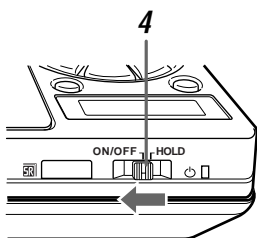
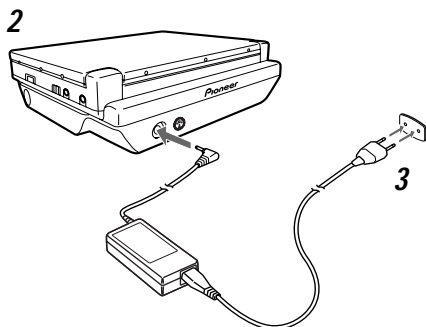
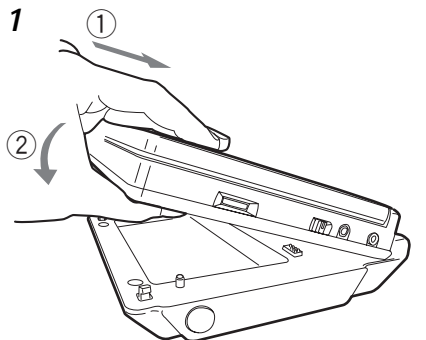
- ① Fit the terminal side of the battery pack into the battery case.
- ② Push in until it clicks.

##### 2 Attach the player to the battery case.

- ① Align the guide hole on the rear of the player with the rear guide on the battery case.
- ② Push in the front part of the player until it clicks.

##### 3 Set the power switch of the player to ON.

- Now the player can be operated.
- When the battery pack is fully charged, the player can play DVDs for about 3 hours and 30 minutes continuously.
- If the power is switched on while the battery pack is not fully charged, the player operation may sometimes become unstable. Be sure to charge the battery pack fully before use.



## AC power operation

## 1 Attach the player to the battery case.

- ① Align the guide hole on the rear of the player with the rear guide on the battery case.
- ② Push in the front part of the player until it clicks.

## 2 Connect the DC output plug of the AC adapter to the DC IN connector on the rear of the battery case.

## 3 Connect the power plug of the AC adapter to the power outlet.

## 4 Set the power switch of the player to ON.

Now the player can be operated.

## CAUTION

- Be sure to use the AC adapter provided with the player.
- Before inserting or removing the DC output plug of the AC adapter, always be sure to set the power switch of the portable DVD player to OFF.

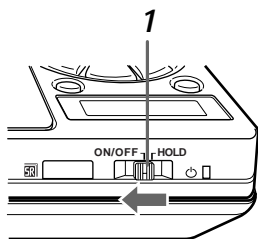
## Notes:

- When both the battery pack and AC adapter are connected to the battery case, the battery pack will not be recharged. In this case, use the battery charger for recharging the battery pack (page 36).

- When both the battery pack and AC adapter are connected to the battery case, the AC adapter operation is given the priority. As their simultaneous connection may increase the equipment temperature, it is recommended to remove the battery.

### Removing the player and battery pack (PDV-LC10 only)

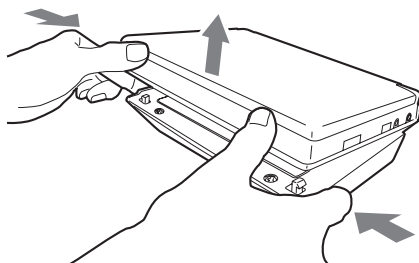
The player and battery pack can be removed from the battery case as described below.



- 1** Set the power switch of the player to OFF.

If the AC adapter is connected, remove its power plug from the wall outlet then remove the DC output plug from the battery case.

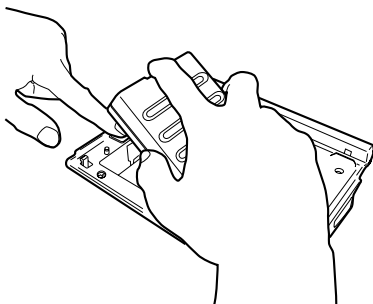
**2**



- 2** While holding the player eject buttons on the left and right of the battery case, lift the front part of the player to remove.

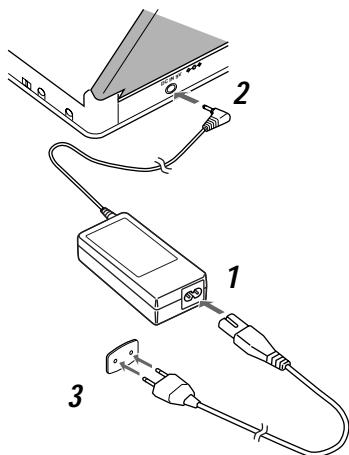
- 3** While holding the battery release button on the battery case, lift the battery pack to remove.

**3**

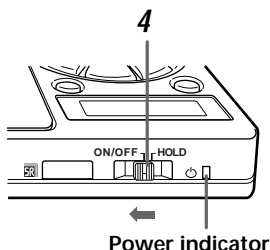




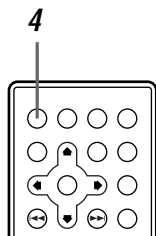
# Turning On the Power



Main unit (front panel)



Remote control unit



1 Connect the included AC adapter and power cord.

2 Connect the AC adapter connected in step 1 to the DC input jack on the main unit.

3 Connect the power plug to a power outlet.

4 Slide the power switch on the main unit to the left (holding it there for about 1 second).

- The power indicator turns green. The player can now be used.
- In the standby mode (when the power indicator is lit red), the power can also be turned on by pressing the **power button** on the remote control unit.

## Note:

When using the battery pack (PDV-BT10), the power can only be turned on with the power switch on the main unit. (The power button on the remote control unit cannot be used.)

## Hint:

The included AC adapter is compatible with voltages of 100 to 240 V, so you can use it on trips overseas.

Note that you need a converter plug (available in stores) suited for the region in which you are travelling.

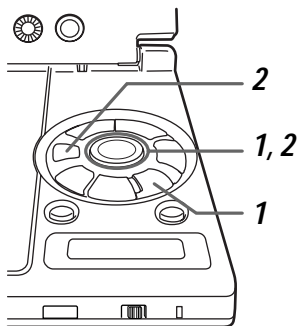
# Making Settings with the Setup Navigator

The “Setup Navigator” is a function for automatically making the player’s settings by answering questions about the disc language and the components connected to the player. The settings made with the Setup Navigator are as follows:

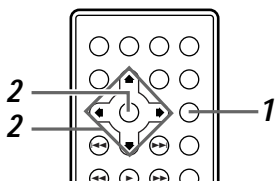
- Language • Connections with the TV (TV type) • Connections with the amplifier (digital jack, amplifier’s 96 kHz compatibility)

## Starting the Setup Navigator

### Main unit



### Remote control unit



#### Hint:

- The ① mark indicates information. Brief descriptions are provided after the ① mark. Refer to these descriptions if you have any questions about the settings.
- Press the **RETURN** button to return to the setup screen. When this is done, any new settings made on the current setting screen are canceled.

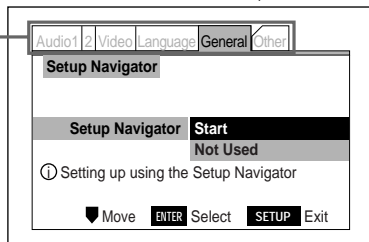
#### Note:

This function cannot be started during playback.

**1** In the stop mode, press the **SETUP** button, then select “Setup Navigator” under the “General” tab.

- For operating instructions, refer to “Setup Screen Operations” on pages 57 to 61.
- The Setup Navigator screen is displayed automatically.
- When “Not Used” is selected, the Setup Navigator screen will no longer appear when the **SETUP** button is pressed.

Tab



**2** Use the cursor buttons (▲/▼) to select “Start”, then press the **ENTER** button.

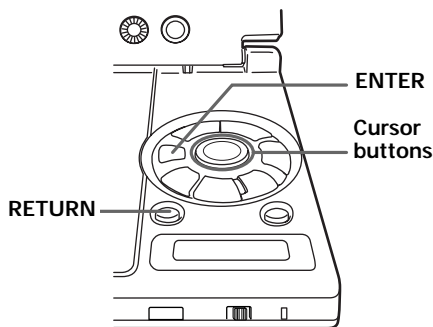
The Setup Navigator starts.



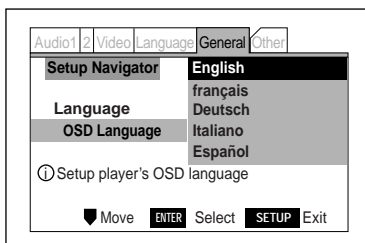
## Setting the on-screen display language

Set the language displayed on the screen. When an option is selected, the language of the on-screen messages automatically changes to the language set on this screen.

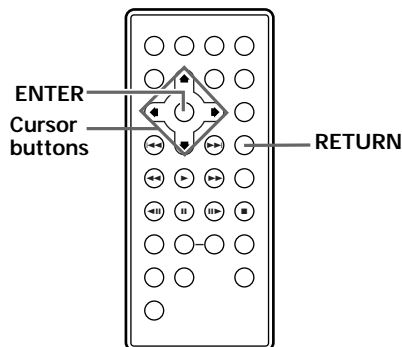
### Main unit



Use the **cursor buttons** (▲/▼) to select the language to be displayed on the screen, then press the **ENTER** button.



### Remote control unit



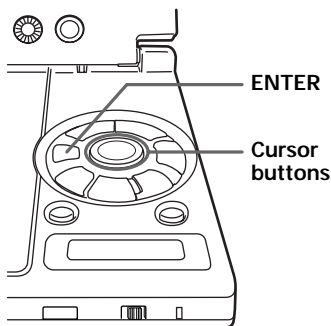
- **English:** The on-screen messages are in English.
- **français:** The on-screen messages are in French.
- **Deutsch:** The on-screen messages are in German.
- **Italiano:** The on-screen messages are in Italian.
- **Español:** The on-screen messages are in Spanish.

- The language selected as the on-screen display language will also be set as the Subtitle and Audio language. (Pages 63 and 64)
- The "Auto Language" setting is automatically set to "On". (Page 68)

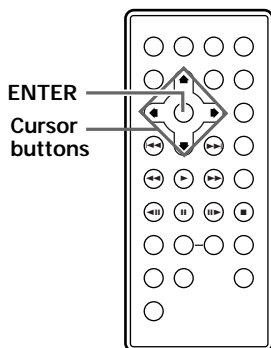
### Setting the type of TV to be connected

Set the type of TV to be connected.

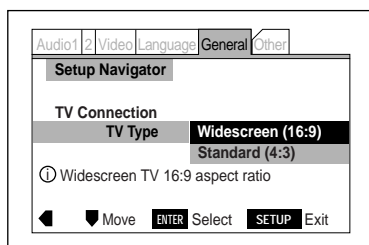
#### Main unit



#### Remote control unit



Use the **cursor buttons** (▲/▼) to select the type of TV, then press the **ENTER** button.



- **Widescreen (16:9):** Select this for a TV with a 16:9 horizontal:vertical aspect ratio. Select "Widescreen (16:9)" when using the PDV-LC10's liquid crystal monitor.
- **Standard (4:3):** Select this for a TV with a 4:3 horizontal:vertical aspect ratio.

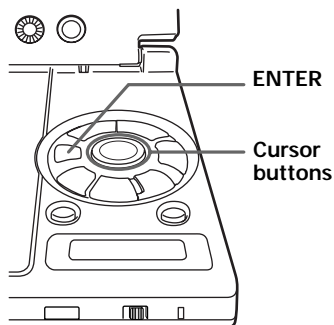
#### Hint:

Press the **cursor button** (◀) to return to the previous setting screen.

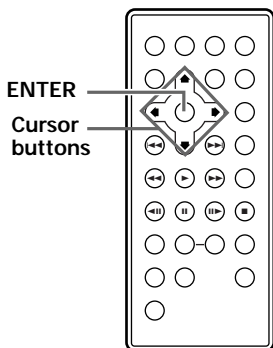
## Setting the type of amplifier to be connected (digital jack)

Here set the type of digital signal the amplifier connected to the player's digital output jack is compatible with.

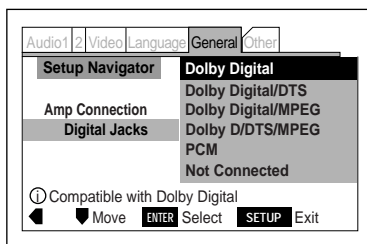
### Main unit



### Remote control unit



Use the **cursor buttons** (▲/▼) to select the digital signal with which the amplifier is compatible, then press the **ENTER** button.

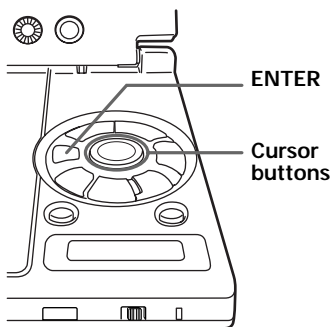


- **Dolby Digital:** Select this when the amplifier or decoder connected to the player is compatible with Dolby Digital signals.
- **Dolby Digital/DTS:** Select this when the amplifier or decoder connected to the player is compatible with Dolby Digital and DTS signals.
- **Dolby Digital/MPEG:** Select this when the amplifier or decoder connected to the player is compatible with Dolby Digital and MPEG signals.
- **Dolby D/DTS/MPEG:** Select this when the amplifier or decoder connected to the player is compatible with Dolby Digital, DTS and MPEG signals.
- **PCM:** Select this when the amplifier connected to the player is a stereo amplifier or a Dolby Pro-Logic compatible amplifier.
- **Not connected:** Select this when no amplifier is connected or when **you do not know** the type of the connected amplifier. When this is selected, there is no need to make the "Amplifier's 96 kHz Compatibility" setting, so proceed to "Quitting the Setup Navigator" (page 47).

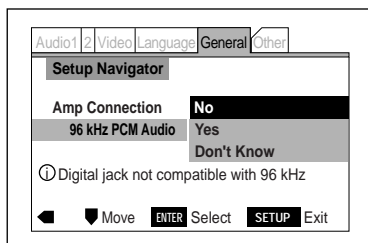
### Setting the type of amplifier to be connected (amplifier's 96 kHz compatibility)

Here set whether or not the amplifier connected to the player is 96 kHz compatible. When an option is selected, 96 kHz or 48 kHz (96 kHz→48 kHz) linear PCM audio is set automatically.

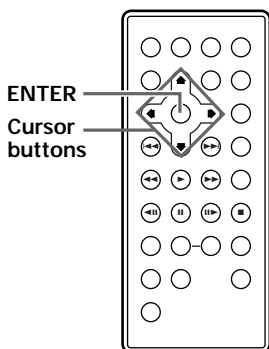
#### Main unit



Use the **cursor buttons** (▲/▼) to select the amplifier's 96 kHz compatibility, then press the **ENTER** button.



#### Remote control unit

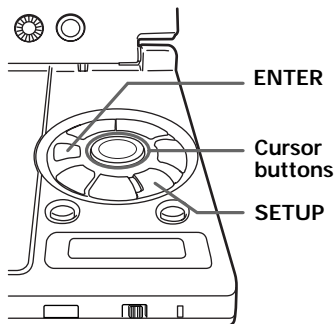


- **No:** Select this when the amplifier connected to the player is not 96 kHz compatible. When this is selected, the 96 kHz signals are down-sampled to 48 kHz before being output from the digital output jack.
- **Yes:** Select this when the amplifier or D/A converter connected to the player is 96 kHz compatible. When this is selected, 96 kHz linear PCM signals are output from the digital output jack. Note however that it is not possible to output 96 kHz digital audio signals from some discs recorded in 96 kHz.
- **Don't know:** Select this if you do not know whether the amplifier connected to the player is 96 kHz compatible or not. When this is selected, the 96 kHz signals are down-sampled to 48 kHz before being output from the digital output jack.

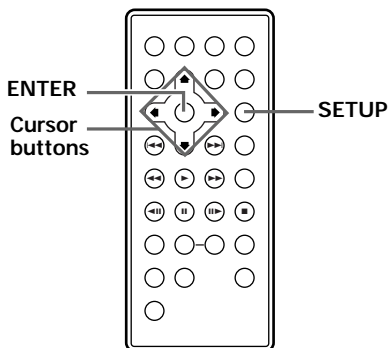
## Quitting the Setup Navigator

Here select whether or not to set, cancel, or redo the settings that have been automatically set by the player.

### Main unit



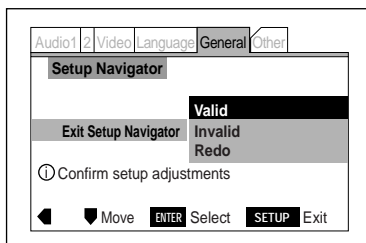
### Remote control unit



### Hint:

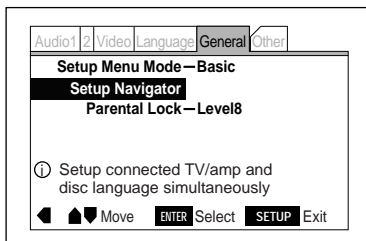
- Only the basic settings are set with the Setup Navigator. To make more detailed settings, settings must be made using the setup screen. Refer to pages 57 to 74.
- To restore the settings made with the Setup Navigator to the factory defaults, slide the **power button** while pressing in the **RETURN** button. (Page 118)

Use the **cursor buttons** (▲/▼) to select how to quit the Setup Navigator, then press the **ENTER** button.



- **Valid:** Select this to set the settings made with the Setup Navigator.
- **Invalid:** Select this if you do not want to change the settings.
- **Redo:** Select this to start the settings over from the beginning.

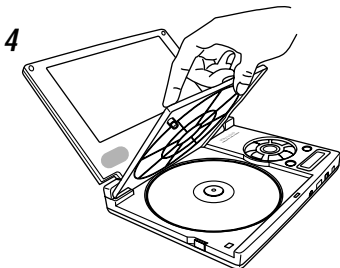
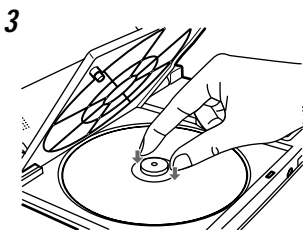
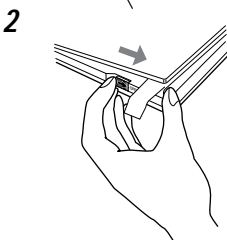
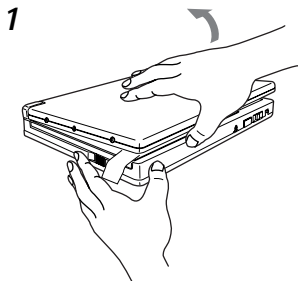
When "Valid" or "Invalid" is selected and the **ENTER** button is pressed, the Setup Navigator quits and the screen shown below appears automatically.



Press the **SETUP** button to close the Setup Navigator screen.

# Playback Functions

## Loading discs



1 Hold the display and operating section securely and lift the display (PDV-LC10 only).

2 Slide the main unit's **OPEN** switch to the ▷ side and open the lid.

The following message appears on the display window:



3 Set the disc in place and press down on the disc with your fingers near the center hole.

A click is heard.

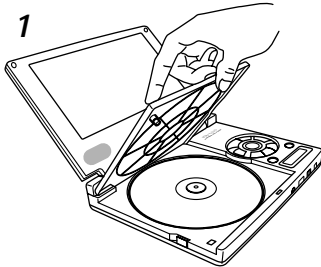
### Notes:

- Set the disc securely. Failure to set it securely could result in damage.
- Do not use cracked or warped discs. Doing so could result in damage.
- Set single-sided DVDs or CDs with the label (printed) side facing upwards. For double-sided DVDs, check the side carefully, then load the disc securely (until a click is heard).
- With CDs or one-sided DVDs, you do not have to worry about touching the label (printed) side of the disc with your fingers. Two-sided DVDs, however, have signals recorded on both sides, so be careful not to scratch them when removing them from the player.

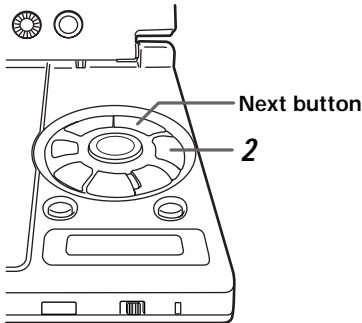
4 Press **PUSH CLOSE** to close the lid.



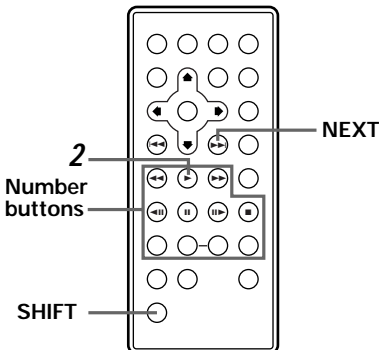
## Playing discs



Main unit



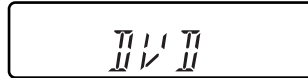
Remote control unit



### 1 Load the disc and close the cover.

One of the following messages appears on the display window:

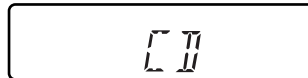
For DVDs:



For video CDs:



For CDs:



- For some discs, playback starts automatically when the lid is closed.
- When discs for which program memories (page 102) are set, playback starts automatically in the programmed order.

### 2 Press the play/pause button.

- Playback starts.
- For some discs, a menu screen appears. For video CDs, playing the disc according to the instructions on the disc's menu screens is called **PBC (playback control) playback**.

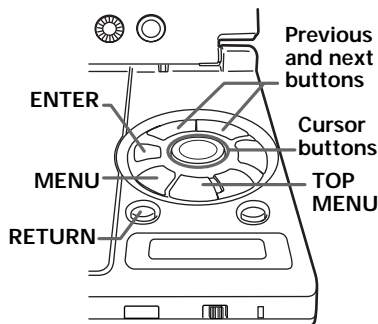
#### Hint:

- For video CDs, it is also possible to play a disc without displaying the menu screen. For example, to play from track 1, press the **next button** once while in the stop mode, or press the "1" **number button** while in the stop mode.
- For DVDs, when the **next button** is pressed while in the stop mode, playback starts from the beginning of the title.

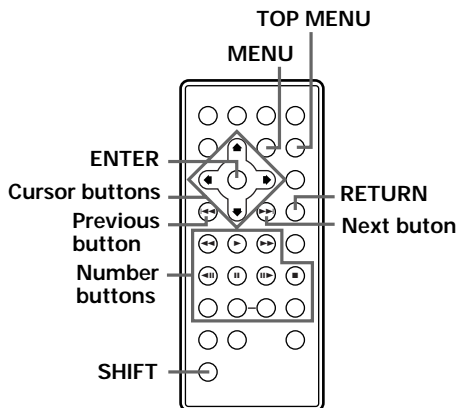
### If a menu screen appears

For DVDs with menu screens or video CDs with playback control (PBC), a menu screen appears.

#### Main unit



#### Remote control unit



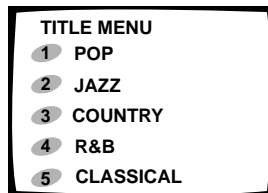
#### DVD

Use the **cursor buttons**

(▲/▼/◀/▶) to select the item, then press the **ENTER** button.

To use the **number buttons** on the remote control unit to select the item, press the number buttons while pressing the **SHIFT** button.

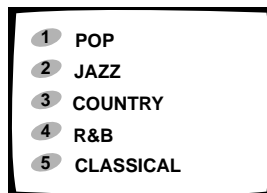
Example: For DVDs with menu screens



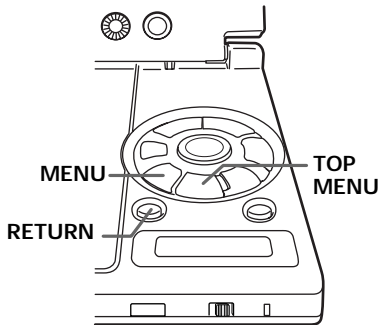
#### Video CD

Select by pressing the **number buttons** while pressing the **SHIFT** button.

Example: For video CDs with playback control (PBC)



If the video CD's menu screen includes more than one page, use the **previous** and **next buttons** to switch between the pages.

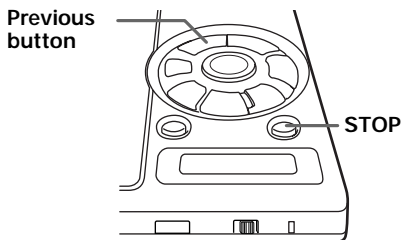


## To display the menu screen

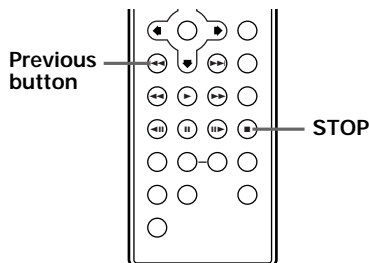
The way in which the menu screen is displayed differs from disc to disc. Press the **MENU**, **TOP MENU** or **RETURN** button during playback of DVDs, the **RETURN** button during PBC playback of video CDs. For details, refer to the documentation included with the disc.

### Stopping the disc

#### Main unit



#### Remote control unit



Press the **STOP** button.

The following message appears on the display window:



#### Resume function (DVDs and video CDs)

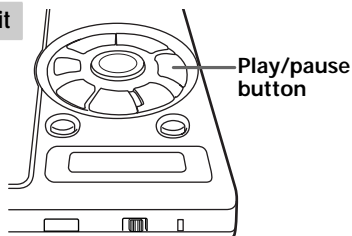
When the **STOP** button is pressed, "■" lights. When the **play button** is pressed, playback starts from the position at which it was stopped. When the disc is removed or the **STOP** button is pressed again, the resume function is canceled and "■" turns off.

#### Hint:

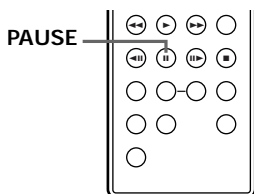
- For some discs, playback may not start from the position at which it was stopped.
- If the **STOP** button then the **previous button** is pressed while the resume function is on, playback starts from the beginning of the title.

### Pausing the disc

#### Main unit

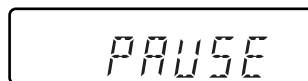


#### Remote control unit



Press the **play/pause button**.

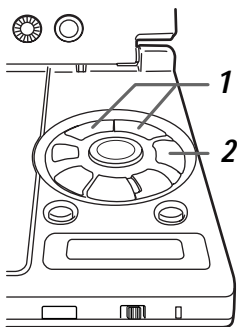
The following message appears on the display window:



- Press the button again to resume playback.

## Scanning forward and backward

### Main unit



### Operation from the main unit

- 1 During playback, press and hold in the **previous** or **next button**.

◀◀ : Reverse direction

▶▶ : Forward direction

"Scan" flashes.

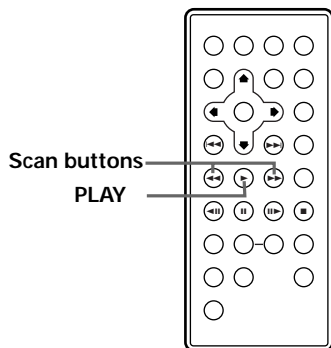
- 2 Release the button while scan is flashing.

Playback resumes from that point.

### Hold scan

Scanning is held when the **previous** or **next button** is pressed in until "Scan" stops flashing, remaining lit. Press the **play/pause button** once the desired position is reached.

### Remote control unit



### Operation from the remote control unit

- 1 Press and hold in one of the **scan buttons** during playback.

◀◀ : Reverse direction

▶▶ : Forward direction

"Scan" flashes.

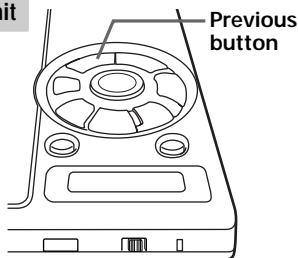
- 2 Release the button while scan is flashing.

### Hold scan

Scanning is held when the **scan button** is pressed in until "Scan" stops flashing, and remains lit. Press the **PLAY** button once the desired position is reached.

### Returning to the previous chapter or track - DVDs, video CDs and CDs

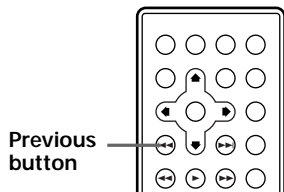
Main unit



Press the **previous button** during playback.

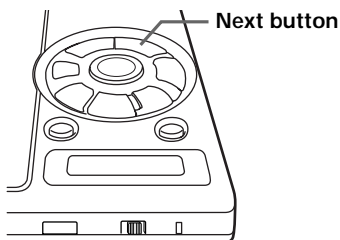
- When pressed once, playback returns to the beginning of the currently playing chapter or track.
- When pressed again, playback returns to the beginning of the previous chapter or track.

Remote control unit



### Moving ahead to the next chapter or track - DVDs, video CDs and CDs

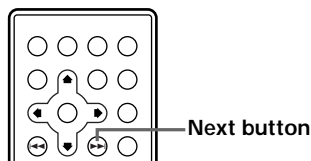
Main unit



Press the **next button** during playback.

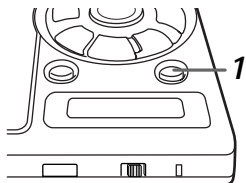
When pressed once, playback moves forward to the next chapter or track.

Remote control unit



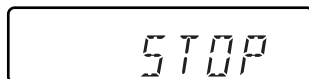
## Removing discs

### Main unit

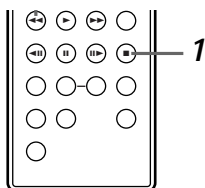


### 1 Press the **STOP** button.

The following message appears on the display window:

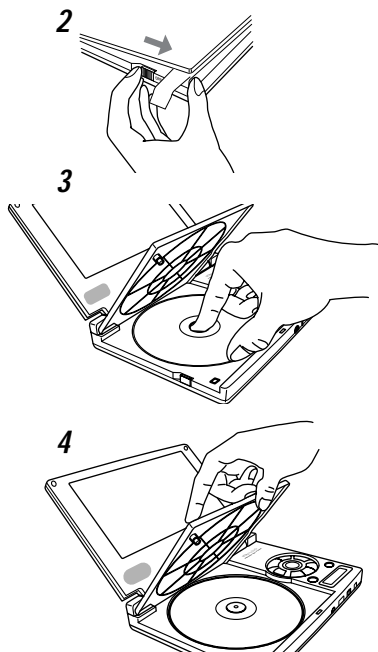


### Remote control unit



### 2 Slide the **OPEN** switch to the **▷** side and open the lid.

The following message appears on the display window:



### 3 Remove the disc.

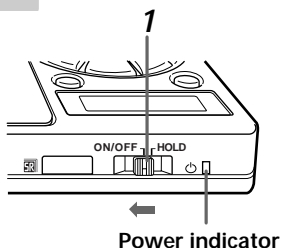
#### Note:

With CDs or one-sided DVDs, you do not have to worry about touching the label (printed) side of the disc with your fingers. Two-sided DVDs, however, have signals recorded on both sides, so be careful not to scratch them when removing them from the player.

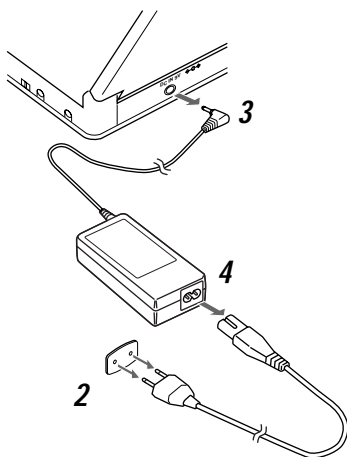
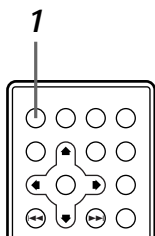
### 4 Press **PUSH CLOSE** to close the lid.

# Turning Off the Power

## Main unit



## Remote control unit



**1** When the power is on, slide the power switch to the left side and hold it there for at least 1 second.

- The power indicator switches from green to red and the standby mode is set.
- The power can also be turned off by pressing the **power button** on the remote control unit.

**2** Unplug the power cord from the power outlet.

**3** Disconnect the AC adapter from the player's DC input jack.

**4** Disconnect the power cord from the included AC adapter.

### Note:

When using the battery pack (PDV-BT10), the power indicator turns off when the power is turned off. This is to prevent wear of the battery.



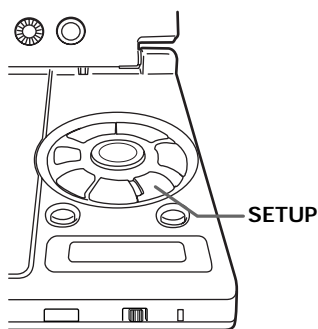
# Setup Screen Operations

With this player, various functions recorded on DVDs can be set in addition to the settings made with the Setup Navigator. To make these settings you must first display the setup screen.

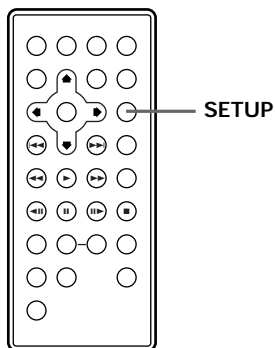
## Starting up the setup screen

By changing the setting items on the various menus on the setup screen you can create a more convenient playback environment. The setup screen has two modes.

### Main unit

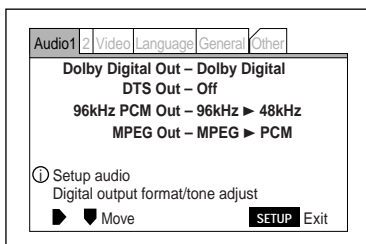


### Remote control unit



## Press the **SETUP** button.

The setup screen appears.



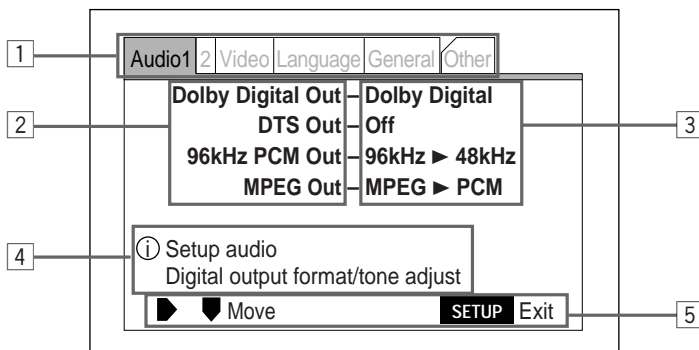
- The setup screen is displayed whenever the **SETUP** button is pressed, regardless of the player's play mode (play or stop) or the type of disc (DVD, video CD or CD).
- Press the **SETUP** button again to close the setup screen.

### Hint:

- When the Setup Navigator is started up, the on-screen information is displayed regardless of whether the "Basic" or "Expert" setup screen mode is selected.
- If the Setup Navigator has appeared automatically, select "Not Used" then press the **ENTER** button, or press the **return button**. The setup screen appears.

### Names of parts on the setup screen

The setup screen consists of six tabs (Audio 1, Audio 2, Video, Language, General and Other), the on-screen information and the operating guide.



#### 1 Tabs

The first step to making the settings is to select one of the six tabs (Audio 1, Audio 2, Video, Language, General or Other). Select the desired setting item from the tabs to display the various settings.

#### 2 Setting items

The setting items for the selected tag are displayed here.

#### 3 Current settings/choices

The current settings of the different modes or the choices for the setting items are displayed here.

#### 4 On-screen information

Information on the item specified with the cursor is displayed here. The "i" mark indicates information.

#### 5 Operating guide

A list of the buttons that can be used is displayed here to help you when operating the buttons. If there is more than one button that can be used for the same operation, only one of the buttons is displayed.

#### Hint:

When the cursor is set to a tag, a list of the current settings is displayed. After checking that screen, select the mode for which you want to make changes from among the tags. (Page 60)

#### Note:

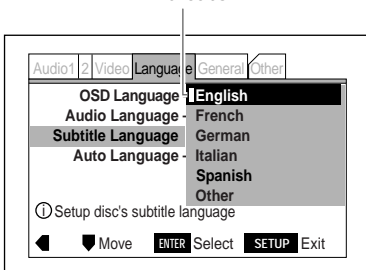
When the cursor is set to "Other" or when the "Expert" setup screen is selected, the on-screen information is not displayed, regardless of the setting item.

## Items that can be set and items that cannot be set depending on the type of disc

The setup screen includes items that can be set and items that cannot be set depending on the type of disc (DVD, video CD or CD). On this player, these items can be distinguished by color-coded indicators to the left of the currently selected setting item. For details, see the table below.

Color of indicator	Types of discs for which the setting is possible
Blue	DVDs only
Yellow	DVDs and video CDs
Green	All types of discs

Indicator



### Hint:

When a video CD or CD is loaded (in the play or stop mode) and an item on the setup screen that can only be set for DVDs is selected, a blue DVD mark appears momentarily at the upper right of the display, indicating that the setting item cannot be set for the currently loaded disc.

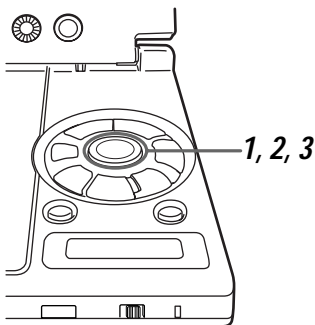
DVD mark



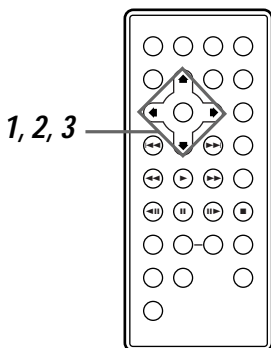
## Making settings using the setup screen

Various settings can be made using the setup screen. The procedure described below applies to all the settings on the setup screen, so read this section carefully.

### Main unit



### Remote control unit



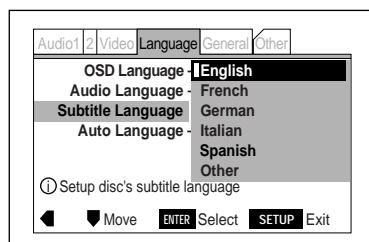
- 1 Use the cursor buttons (◀/▶) to select the tag for the item you want to set.



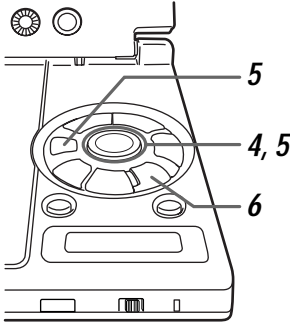
- 2 Use the cursor buttons (▲/▼) to select the setting item you want to set.



- 3 Press the cursor button (▶).



## Main unit



**4** Use the **cursor buttons** (▲/▼) to select the desired setting mode

**5** Press the **ENTER** button.

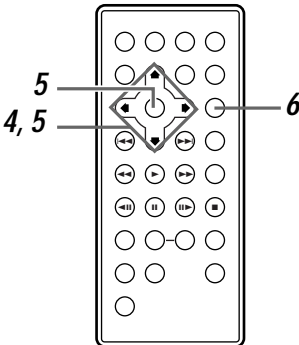
The setting is stored in the memory.



If there is no need to make changes, press the **cursor button** (◀) to return.

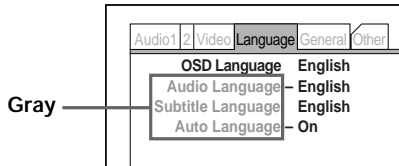
**6** Press the **SETUP** button to close the setup screen.

## Remote control unit



### Note:

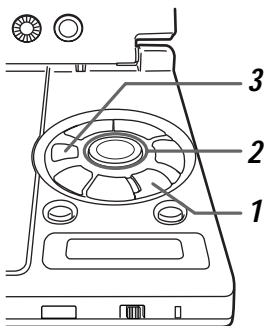
Items that cannot be changed on the setup screen during playback are displayed in gray.



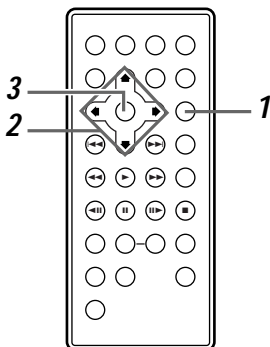
### Setting the expert mode

In addition to the "Basic" mode, the setup screen also has an "Expert" mode in which more detailed settings can be made.

#### Main unit

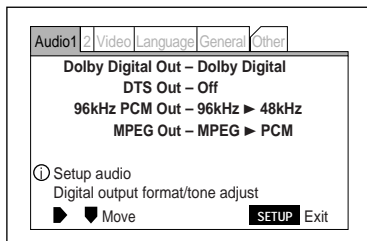


#### Remote control unit

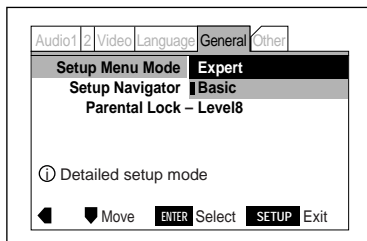


### 1 Press the **SETUP** button.

The setup screen appears.

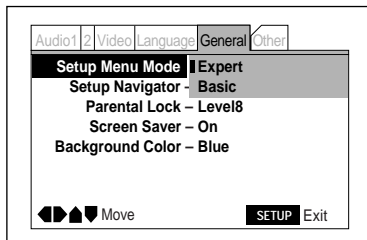


### 2 From the setup screen's "General" tab, use the cursor buttons (▶/▲/▼) to select "Expert" at "Setup Menu Mode".



### 3 Press the **ENTER** button.

The setup screen switches to the "Expert" mode and no on-screen information is displayed.



# Various Language and Subtitle Settings

In this section we use the setup screen to make the language and subtitle settings. Press the **SETUP** button to display the setup screen, **then operate as described under “Making settings using the setup screen” on pages 60 and 61.**

## Setting the on-screen display language

Select the language to be used for the display when making the setup, etc.  
**There is no need to make this setting if the “OSD Language” has already been set with the Setup Navigator.**



Settings: **English\***  
**français**  
**Deutsch**  
**Italiano**  
**Español** \* Factory setting

- **English:** The on-screen messages are in English.
- **français:** The on-screen messages are in French.
- **Deutsch:** The on-screen messages are in German.
- **Italiano:** The on-screen messages are in Italian.
- **Español:** The on-screen messages are in Spanish.

This setting can be changed during playback.

## Setting the subtitle language

Select the language to be used for the subtitles.



Settings: **English\***  
**French**  
**German**  
**Italian**  
**Spanish**  
**Other** \* Factory setting

- **English:** The subtitles are displayed in English.
- **French:** The subtitles are displayed in French.
- **German:** The subtitles are displayed in German.
- **Italian:** The subtitles are displayed in Italian.
- **Spanish:** The subtitles are displayed in Spanish.
- **Other:** When this is selected, the language input screen appears and one of 136 subtitle languages can be selected using the language codes (page 123).

For details, see “When ‘Other’ is selected for the Subtitle, Audio or DVD language” on pages 66 and 67.

This setting cannot be changed during playback.

## Various Language and Subtitle Settings

### Setting the audio language

Select the audio language.



Settings: **English\***  
**French**  
**German**  
**Italian**  
**Spanish**  
**Other** \* Factory setting

- **English:** The audio language is set to English.
- **French:** The audio language is set to French.
- **German:** The audio language is set to German.
- **Italian:** The audio language is set to Italian.
- **Spanish:** The audio language is set to Spanish.
- **Other:** When this is selected, the language input screen appears and one of 136 audio languages can be selected using the language codes (page 123). For details, see "When 'Other' is selected for the Subtitle, Audio or DVD language" on pages 66 and 67.

This setting cannot be changed during playback.

### Setting the DVD menu language

Select the language in which menus are displayed. **Switch the setup screen to the expert mode before making this setting.** (Page 62)



Settings: **w/ Subtitle Language\***  
**English**  
**French**  
**German**  
**Italian**  
**Spanish**  
**Other** \* Factory setting

- **w/ Subtitle Language:** The menu language is the same as the language set as the subtitle language.
- **English:** The menu language is set to English.
- **French:** The menu language is set to French.
- **German:** The menu language is set to German.
- **Italian:** The menu language is set to Italian.
- **Spanish:** The menu language is set to Spanish.
- **Other:** When this is selected, the language input screen appears and one of 136 audio languages can be selected using the language codes (page 123). For details, see "When 'Other' is selected for the Subtitle, Audio or DVD language" on pages 66 and 67.

This setting cannot be changed during playback.

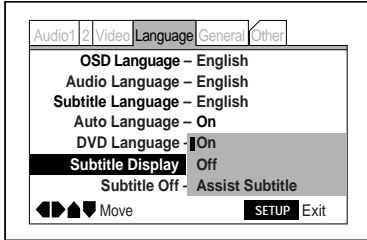
#### Note:

If a language not stored on the disc is set, the menu is displayed in the default disc's language.



## Setting the subtitle display

Select whether or not to turn the display of subtitles on or off or to display "Assist Subtitle". **Switch the setup screen to the expert mode before** making this setting. (Page 62)



Settings: **On\***  
**Off**  
**Assist Subtitle**

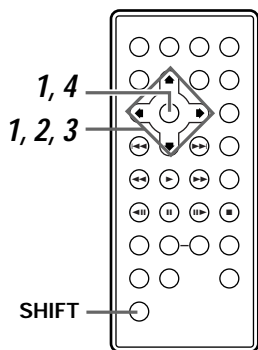
\* Factory setting

- **On:** The subtitles are displayed.
- **Off:** The subtitles are not displayed. (Subtitles are automatically displayed for some DVDs.) (Page 68)
- **Assist Subtitle:** "Assist Subtitles" are descriptions of the scene, etc., for the hearing impaired. When this item is selected, the assist subtitles are displayed. Assist Subtitles are only displayed when they are recorded on the disc.

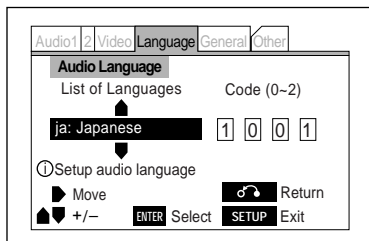
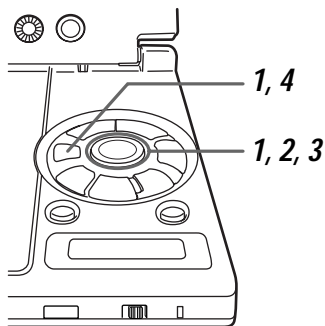
This setting cannot be changed during playback.

## When 'Other' is selected for the subtitle, audio or DVD language

### Remote control unit



### Main unit



The numbers in parentheses next to "Code" indicate the range of numbers that can be set.

## 2 Use the cursor buttons (◀/▶) to select "List of Languages" or "Code".

There are three ways to choose:

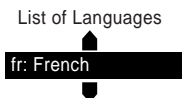
- By selecting "List of Languages" then choosing with the **cursor buttons** (▲/▼)
- By selecting the 4-digit code one digit at a time using the **cursor buttons** (▲/▼)
- By selecting the 4-digit code from the "Language code table" (page 123) using the **number buttons** on the remote control unit.

## 3 Select the language.

In this example we select "French" (input code 0618).

### Selecting from the "List of Languages"

Select "List of Languages", then press the **cursor button** (▲) twice.



## 1 Use the cursor buttons (▲/▼) to select "Other", then press the ENTER button.

The language selection screen appears.

## Selecting by inputting the code using the cursor buttons

1. Press the **cursor button** (▶) to select the first digit in the code.

Code

**1** 0 0 1

2. Press the **cursor button** (▼) cursor button and set to "0".

Code

0 **0** 0 1

3. Press the **cursor button** (▶) to select the second digit in the code.

Code

0 **0** 0 1

4. Press the **cursor button** (▲) and set to "6".

Code

0 **6** 0 1

5. Press the **cursor button** (▶) to select the third digit in the code.

Code

0 6 **0** 1

6. Press the **cursor button** (▲) and set to "1".

Code

0 6 **1** 1

7. Press the **cursor button** (▶) to select the fourth digit in the code.

Code

0 6 1 **1**

8. Press the **cursor button** (▲) and set to "8".

Code

0 6 1 **8**

## Selecting by inputting the code from the "Language Code List"

Press **number buttons** "0", "6", "1" and "8" on the remote control unit while pressing the **SHIFT** button.

- 4 Press the **ENTER** button to set the new language.

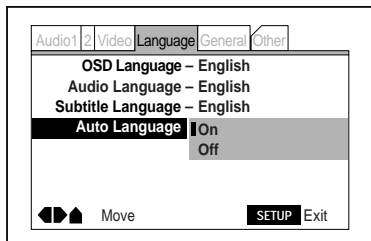
### Hint:

Press the **RETURN** button to return to the previous screen.

## Various Language and Subtitle Settings

### Setting the audio language and subtitle preferences

Here select whether to have the audio language and subtitles selected automatically as needed, or to use the audio and subtitle languages set with the setup settings.



Settings: **On\***  
**Off**

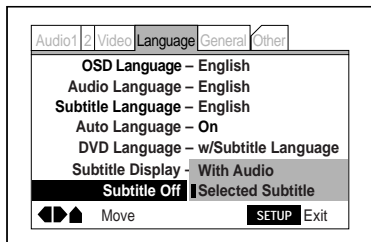
\* Factory setting

- **On:** When the "Audio Language" and "Subtitle Language" settings are set to the same language, foreign movies are shown with the original audio soundtrack and subtitles in the language selected in the "Subtitle Language" menu option and domestic films are shown with the original audio soundtrack and no subtitles.
- **Off:** The auto setting for the audio is canceled during playback, and the sound and subtitles are in the languages set for "Audio Language" and "Subtitle Language".

This setting cannot be changed during playback.

### Language setting when subtitles appear automatically

Here select the language for the subtitles displayed automatically when the subtitles are set not to be displayed (off). With some DVDs, subtitles are displayed automatically even if the subtitle display is turned off on the player. This setting selects the subtitle language at this time. **Switch the setup screen to the expert mode before making this setting.** (Page 62)



Settings: **With Audio**  
**Selected Subtitle\***

- **With Audio:** The subtitles are displayed in the same language as the audio language being played.
- **Selected Subtitle:** The selected subtitle language is selected.

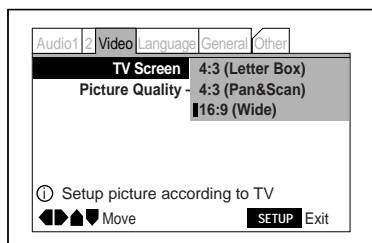
This setting cannot be changed during playback.

# Various Video Settings

In this section we use the setup screen to make the video settings. Press the **SETUP** button to display the setup screen, **then operate as described under "Making settings using the setup screen" on pages 60 and 61.**

## Setting the TV screen size

Select whether or not the connected TV has a standard screen (4:3) or a wide screen (16:9). **There is no need to make this setting if the "TV Type" setting has already been made with the Setup Navigator.**



Settings: **4:3 (Letter Box)**  
**4:3 (Pan & San)**  
**16:9 (Wide)\***

\*Factory setting

- **4:3 (Letter Box):** Select this when connecting a regular 4:3 TV.
- **4:3 (Pan & Scan):** Select this when connecting a regular 4:3 TV.
- **16:9 (Wide):** Select this when using the PDV-LC10's liquid crystal display or when connecting a 16:9 wide screen TV.


For instructions on TV screen settings, refer to "Switching the aspect ratio" below.

This setting cannot be changed during playback.





## Switching the aspect ratio

### Viewing with a wide screen TV (16:9)

DVD screen size	Setting and appearance
<b>DVDs recorded in 16:9 size</b> With some DVDs there may be black bands at the top and bottom of the picture.	 <b>"16:9 (Wide)" setting</b>
<b>DVDs recorded in 4:3 size</b> When DVDs recorded in 4:3 size are played on a wide screen TV, black bands appear on the sides of the picture.	 <b>"16:9 (Wide)" setting</b>

DVD screen size	Setting and appearance
<b>DVDs recorded in 4:3 size</b> When DVDs recorded in 4:3 size are played on a wide screen TV, the picture will appear stretched horizontally across the screen. In this case, switch the TV to the standard screen. For details, refer to the TV's operating instructions.	 <b>"16:9 (Wide)" setting (picture stretched horizontally)</b>

Viewing on a standard (4:3) TV

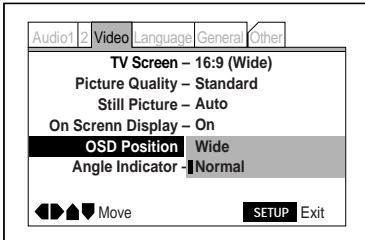
DVD screen size	Setting and appearance	DVD screen size	Setting and appearance
<b>DVDs recorded in 16:9 size</b> When DVDs recorded in wide size are played on a standard TV, black bands appear at the top and bottom of the picture.	 "4:3 (Letter Box)" setting	<b>DVDs recorded in 4:3 size</b> When DVDs recorded in 4:3 size are played on a standard TV, the picture will appear normal regardless of the setting.	 All settings
<b>DVDs recorded in 16:9 size</b> When DVDs recorded in wide size are played on a standard TV, the left and right sides of the picture are cut off.	 "4:3 (Pan & Scan)" setting	<b>DVDs recorded in 16:9 size</b> When DVDs recorded in wide size are played on a standard TV and the player is set to "16:9 (Wide)", the picture will appear stretched vertically on the screen. In this case, select "4:3 (Letter Box)" or "4:3 (Pan & Scan)".	 "16:9 (Wide)" setting (picture stretched vertically)

**Note:**  
For some discs it is not possible to switch the aspect ratio. For details, refer to the disc's jacket.

The horizontal-to-vertical screen size ratio of standard TVs is 4:3, while that of wide screen and high definition TVs is 16:9. This horizontal-to-vertical ratio is called the aspect ratio. On discs with which the aspect ratio cannot be changed, switch the screen size as necessary using the monitor button on the PDV-LC10 and the corresponding button on the TV.

## Moving the position of the on-screen display

Set the position of the on-screen display according to the TV type. **Switch the setup screen to the "Expert" mode before making this setting.** (Page 62)



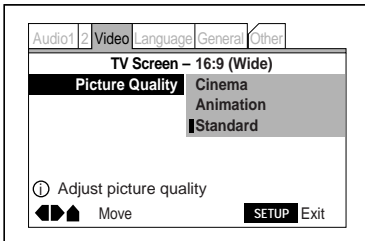
Settings: **Wide**  
**Normal\***

\*Factory setting

- **Wide:** Set this to prevent the on-screen display messages from being partially off the picture when zoom is selected with a wide screen TV.
- **Normal:** Select this position when "Normal" or "Full" is selected with a wide screen TV.

## Setting the picture quality

Set the desired picture quality.



Settings: **Cinema**  
**Animation**  
**Standard\***

\*Factory setting

- **Cinema:** In this mode the black portions of the picture are expressed clearly.
- **Animation:** In this mode the colors are expressed vividly.
- **Standard:** This is the standard picture mode.

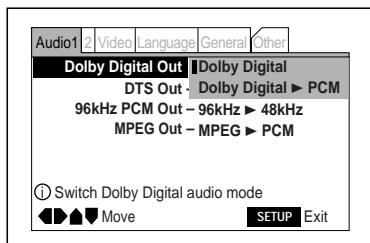
This setting can be changed during playback.

# Various Digital Signal Settings

Use the setup screen to make the "Audio" settings. Press the **SETUP** button to display the setup screen, **then operate as described under "Making settings using the setup screen" on pages 60 and 61.**

## Dolby Digital signal settings

Dolby Digital is a "three-dimensional" audio technology used in movie theaters. It allows recording of up to 5.1 channels of independent audio signals. **There is no need to make this setting if the "Digital Jack" setting has already been made with the Setup Navigator.**



Settings: **Dolby Digital\***  
**Dolby Digital > PCM**

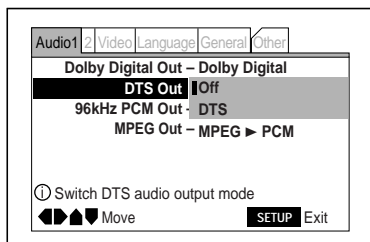
\*Factory setting

- **Dolby Digital:** A Dolby Digital compatible amplifier or decoder is required to select this mode.
- **Dolby Digital > PCM:** The Dolby Digital signals are converted into linear PCM before being output. In this mode a Dolby Pro-Logic amplifier or an amplifier equipped with a digital input can be used.

This setting can be changed during playback.

## DTS signal settings

DTS is another "three-dimensional" audio technology used in movie theaters. It also allows recording of up to 5.1 channels of independent audio signals. DTS offers somewhat different sound from Dolby Digital. **There is no need to make this setting if the "Digital Jack" setting has already been made with the Setup Navigator.**



Settings: **Off\***  
**DTS**

\*Factory setting

- **Off:** DTS signals are not output.
- **DTS:** A DTS compatible amplifier or decoder is required to select this mode.

This setting can be changed during playback.

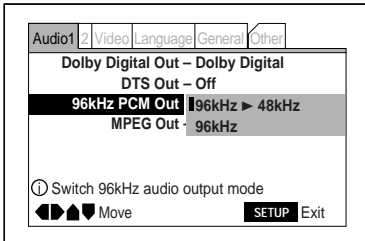
### Note:

The DTS-CD digital output cannot be turned on and off.



## 96 kHz PCM signal setting

96 kHz PCM is a high quality audio format with a far higher sampling frequency than the 44.1 kHz format used for CDs. This format is used mainly for music DVDs. **There is no need to make this setting if the “Digital Jack” setting has already been made with the Setup Navigator.**



Settings: **96 kHz ▶ 48 kHz\***  
**96 kHz**

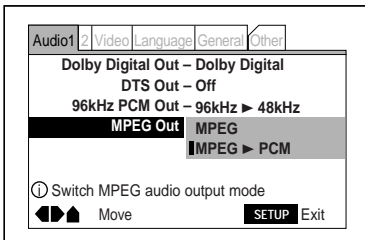
\* Factory setting

- **96 kHz ▶ 48 kHz:** The 96 kHz signals are down-sampled to 48 kHz before being output. In this mode a Dolby Pro-Logic amplifier or an amplifier equipped with a digital input can be used.
- **96 kHz:** A 96 kHz compatible amplifier or D/A converter is required to select this mode.

This setting can be changed during playback.

## MPEG signal setting

MPEG is one audio format used with DVDs. **There is no need to make this setting if the “Digital Jack” setting has already been made with the Setup Navigator.**



Settings: **MPEG**  
**MPEG ▶ PCM\***

\* Factory setting

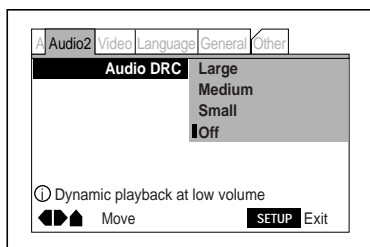
- **MPEG:** An MPEG compatible amplifier or D/A converter is required to select this mode.
- **MPEG ▶ PCM:** The MPEG signals are converted into linear PCM audio signals (48 kHz) before being output. In this mode a Dolby Pro-Logic amplifier or an amplifier equipped with a digital input can be used.

This setting can be changed during playback.

Use the setup screen to make the "Audio 2" settings. Press the **SETUP** button to display the setup screen, **then operate as described under "Making settings using the setup screen" on pages 60 and 61.**

### Adjusting the quality of Dolby Digital signals

Here adjust the quality of the Dolby Digital audio signals which offer a wide dynamic range. Switching the audio DRC (dynamic range compression) setting makes dialogues that are hard to hear when played on AV systems or TVs easier to understand.



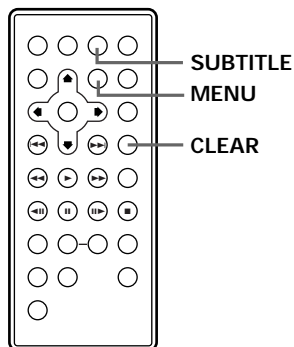
- **Large:** The effect is maximum.
- **Medium:** The effect is relatively strong.
- **Small:** The effect is minimum.
- **Off:** Dynamic range compression is turned off.

This setting can be changed during playback.

Settings: **Large**  
**Medium**  
**Small**  
**Off\***

\*Factory setting

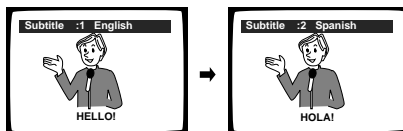
## Switching the subtitle language during playback - DVDs



### Switching with the remote control unit

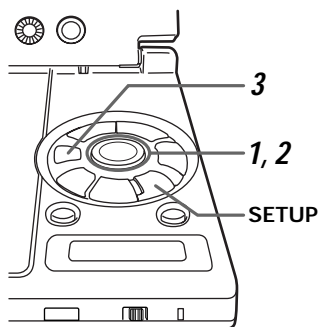
Press the **SUBTITLE** button repeatedly while the DVD is playing.

When pressed once, the currently selected subtitle language is displayed. Press again to switch to other subtitle languages recorded on the DVD.



### Notes:

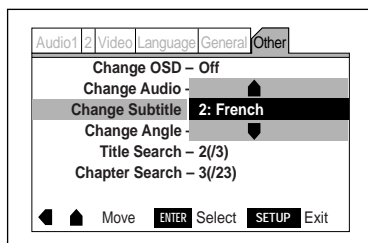
- The subtitle language can only be switched when multiple subtitle languages are recorded on the DVD.
- To turn the subtitles off, press the **SUBTITLE** button, then press the **CLEAR** button. With some discs it is not possible to turn the subtitles off.
- With DVDs, the subtitle language can also be switched using the disc's menu screen. To do so, press the **MENU** button to display the menu screen, then select the subtitle language.
- When the resume function is turned off or when the disc is removed from the player, the subtitle language selected here is canceled and the subtitle language returns to the language selected under "Setting the subtitle language" (page 63) on the setup screen. When the resume function is on, however, the subtitle language selected here is valid.



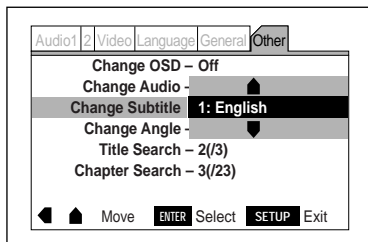
### Switching with the setup screen

Press the **SETUP** button while the DVD is playing to display the setup screen (page 57), then perform the operation described below.

- 1 From the "Other" tab on the setup screen, use the **cursor buttons** (▲/▼) to select "Change Subtitles", then press the **cursor button** (▶).



- 2 Use the **cursor buttons** (▲/▼) to select the desired subtitle language.



- 3 Press the **ENTER** button.

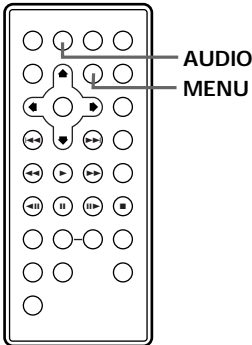
The subtitle language switches.

#### Note:

This setting cannot be switched while in the stop mode.

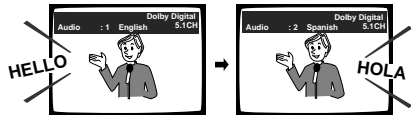
## Switching the audio language during playback - DVDs

## Switching with the remote control unit



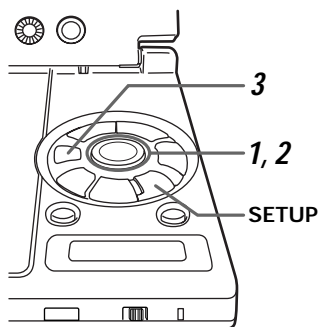
Press the **AUDIO** button repeatedly while the DVD is playing.

When pressed once, the currently selected audio language is displayed. Press again to switch to other audio languages recorded on the DVD.



**Notes:**

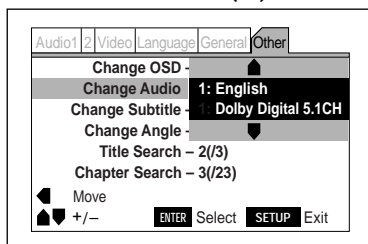
- The audio language can only be switched when multiple audio languages are recorded on the DVD.
- The DVD's audio language can also be switched using the disc's menu screen. To do so, first press the **MENU** button to display the menu screen.
- When the resume function is turned off or when the disc is removed from the player, the audio language selected here is canceled and the audio language returns to the language selected under "Setting the audio language" (page 64) on the setup screen. When the resume function is on, however, the audio language selected here is valid.



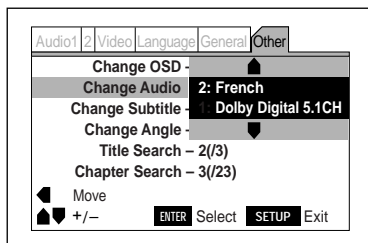
### Switching with the setup screen

Press the **SETUP** button while the DVD is playing to display the setup screen (page 57), then perform the operation described below.

- From the "Other" tab on the setup screen, use the **cursor buttons** (▲/▼) to select "Change Audio", then press the **cursor button** (▶).



- Use the **cursor buttons** (▲/▼) to select the desired audio language.



- Press the **ENTER** button.

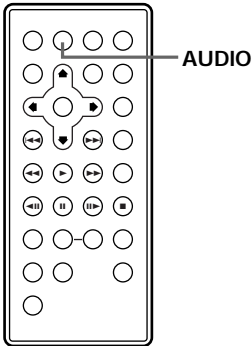
The audio language switches.

#### Note:

This setting cannot be switched while in the stop mode.

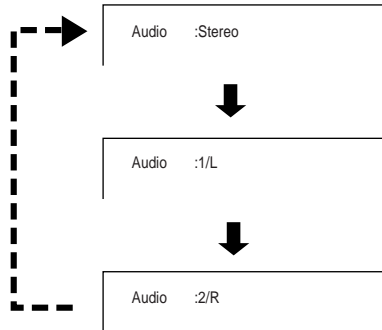
## Switching the audio mode (video CDs and video CDs with PBC)

### Switching with the remote control unit

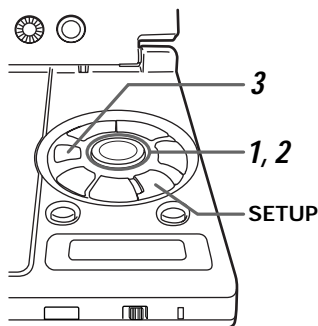


Press the **AUDIO** button repeatedly while playing a video CD.

The audio mode switches between stereo, 1/L and 2/R each time the button is pressed.



## Switching the audio mode (video CDs and video CDs with PBC)

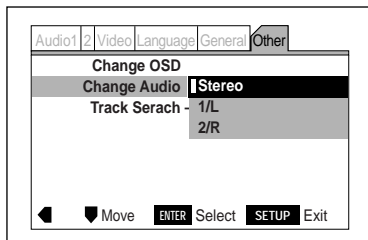


### Switching with the setup screen

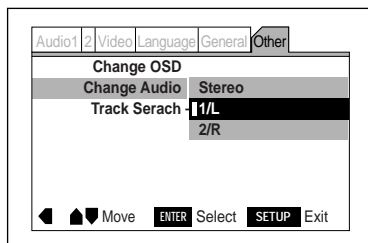
#### Video CD

Press the **SETUP** button while the video CD is playing to display the setup screen (page 57), then perform the operation described below.

- 1 From the "Other" tab on the setup screen, use the **cursor buttons** (▲/▼) to select "Change Audio", then press the **cursor button** (▶).



- 2 Use the **cursor buttons** (▲/▼) to select the desired audio mode.



- 3 Press the **ENTER** button.

The audio mode switches.

#### Note:

This setting cannot be switched while in the stop mode.

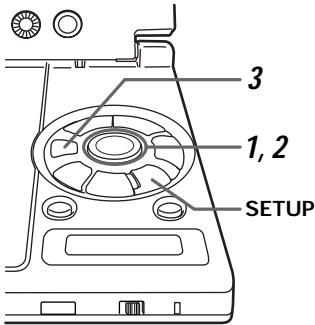


## Switching the audio mode (video CDs and video CDs with PBC)

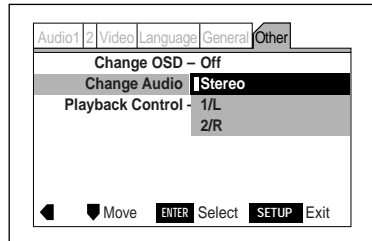
### Switching with the setup screen

#### Video CD with PBC

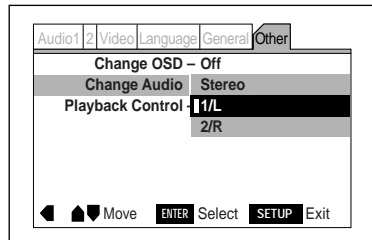
Press the **SETUP** button while the video CD is playing the setup screen (page 57), then perform the operation described below.



- 1 From the "Other" tab on the setup screen, use the **cursor buttons** (▲/▼) to select "Change Audio", then press the **cursor button** (▶).



- 2 Use the **cursor buttons** (▲/▼) to select the desired audio mode.



#### Note:

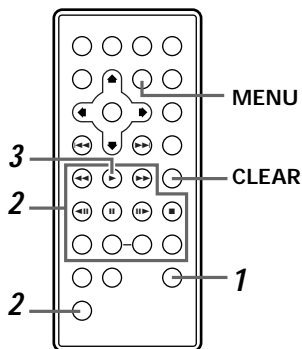
This setting cannot be switched while in the stop mode.

- 3 Press the **ENTER** button.

The audio mode switches.

### Searching for a specific scene

Use the procedure described below to search for specific titles or chapters on DVDs or tracks on video CDs and CDs.



#### Searching by title number - DVDs

##### Operation from the remote control unit

**1** Press the **SEARCH MODE** button once.

**2** Press the **number buttons** while pressing the **SHIFT** button.

To select title number 10, press **number buttons** 1 and 0 while pressing the **SHIFT** button.

If you press the wrong **number button**, press the **CLEAR** button once, then input the number again. When the **CLEAR** button is pressed again, the search mode is canceled.

**3** Press the **PLAY** button.

The specified title number is played.


#### Hint:

For some discs it is also possible to select the title number using the menu. In this case, press the **MENU** button to display the menu, then select the desired title number.

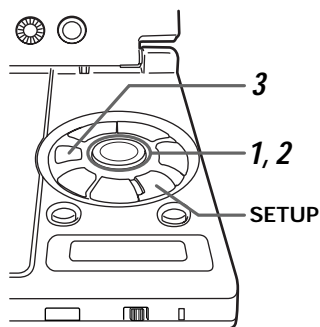
#### Searching directly

In the stop mode, press the **number buttons** while pressing the **SHIFT** button to search directly. To select title number 10, press **number buttons** +10 and 0 while pressing the **SHIFT** button.

#### Notes:

- For some discs the search function is prohibited. In this case the  mark appears on the screen.
- For some discs the title menu may not be displayed.

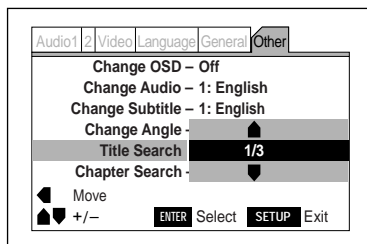
## Searching for a specific scene



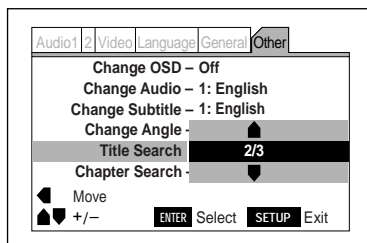
### Operation from the main unit

Press the **SETUP** button to display the setup screen (page 57), then perform the operation described below.

- 1 From the "Other" tab on the setup screen, use the **cursor buttons** (▲/▼) to select "Title Search", then press the **cursor button** (▶).



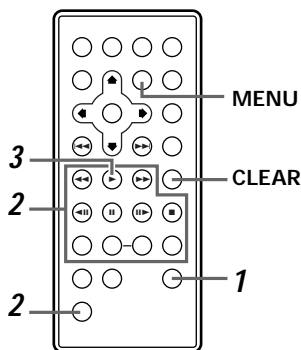
- 2 Use the **cursor buttons** (▲/▼) to select the desired title number.



- 3 Press the **ENTER** button.

The specified title number is played.

### Searching for a specific scene



#### Searching by chapter number - DVDs

#### Operation from the remote control unit

**1** Press the **SEARCH MODE** button twice.

**2** Press the **number buttons** while pressing the **SHIFT** button.

To select chapter number 10, press **number buttons** 1 and then 0 while pressing the **SHIFT** button.

If you press the wrong **number button**, press the **CLEAR** button once, then input the number again. When the **CLEAR** button is pressed again, the search mode is canceled.


**3** Press the **PLAY** button.

Playback starts from the specified chapter number.

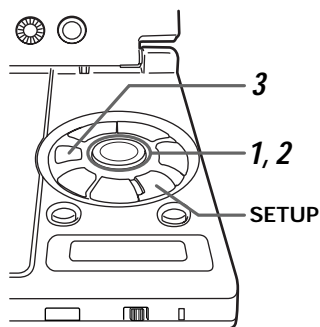
#### Hints:

- For some discs it is also possible to select the chapter number by pressing the **number buttons** while pressing the **SHIFT** button in the play mode. To select title number 10, press **number buttons** +10 and 0 while pressing the **SHIFT** button.
- For some discs it is also possible to select the chapter number using the disc's menu. In this case, press the **MENU** button to display the menu, then select the desired chapter number.

#### Note:

For some discs the search function is prohibited. In this case the  mark appears on the screen.

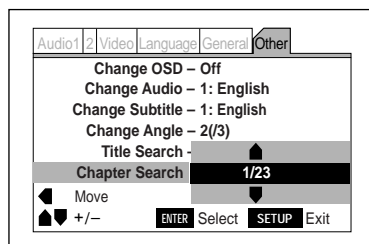
## Searching for a specific scene



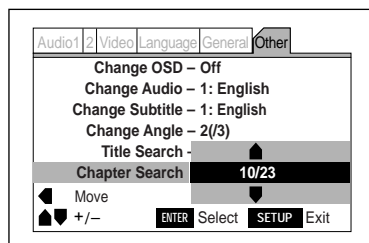
## Operation from the main unit

Press the **SETUP** button to display the setup screen (page 57), then perform the operation described below.

- 1 From the "Other" tab on the setup screen, use the **cursor buttons** (▲/▼) to select "Chapter Search", then press the **cursor button** (▶).



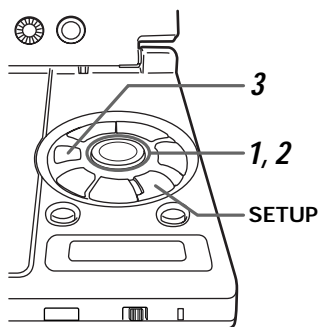
- 2 Use the **cursor buttons** (▲/▼) to select the desired chapter number.



- 3 Press the **ENTER** button.

Playback starts from the specified chapter number.

## Searching for a specific scene

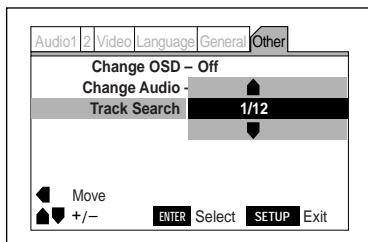


### Searching by track number - Video CDs and CDs

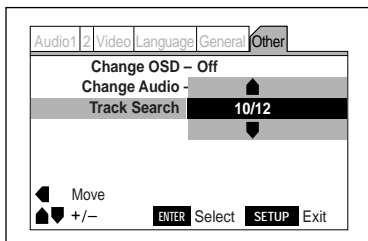
#### Operation from the main unit

Press the **SETUP** button to display the setup screen (page 57), then perform the operation described below.

- 1 From the "Other" tab on the setup screen, use the **cursor buttons** (▲/▼) to select "Track Search", then press the **cursor button** (▶).



- 2 Use the **cursor buttons** (▲/▼) to select the desired track number.

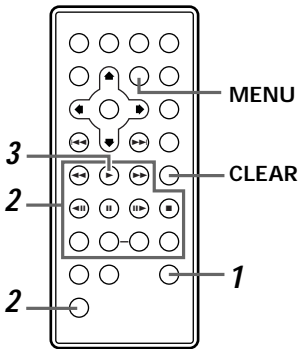


- 3 Press the **ENTER** button.

Playback starts from the specified track number.

## Searching for a specific scene

## Operation from the remote control unit



**1** Press the **SEARCH MODE** button once.

**2** Press the **number buttons** while pressing the **SHIFT** button.

To select track number 10, press **number buttons** 1 and then 0 while pressing the **SHIFT** button.

If you press the wrong number button, press the **CLEAR** button once, then input the number again. When the **CLEAR** button is pressed again, the search mode is canceled.

**3** Press the **PLAY** button.

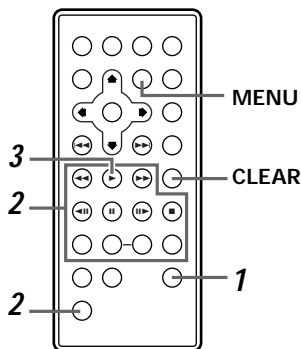
Playback starts from the specified track number.

**Hint:**

It is also possible to select the track number by pressing the **number buttons** while pressing the **SHIFT** button in the play mode. To select track number 10, press **number buttons** +10 and 0 while pressing the **SHIFT** button.

## Searching for a specific scene

### Remote control unit only



### Searching by time - DVDs and video CDs

**1** For DVDs, press the **SEARCH MODE** button three times during playback.

For video CDs, press the **SEARCH MODE** button twice.

**2** Press the **number buttons** while pressing the **SHIFT** button to specify the time.


- For example, to specify 25 minutes, 42 seconds, press **number buttons** 2, 5, 4, then 2.
- To specify 100 minutes, press **number buttons** 1, 0, 0, 0 then 0.

If you press the wrong number button, press the **CLEAR** button once, then input the number again. When the **CLEAR** button is pressed again, the search mode is canceled.

**3** Press the **PLAY** button.

Playback starts from the scene at the specified time.

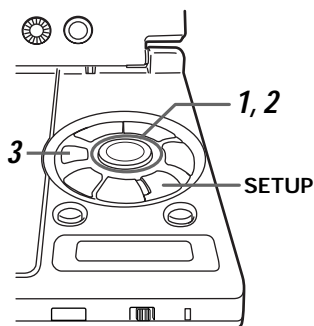
### Notes:

- For both DVDs and video CDs, playback may start from a slightly different position from the specified time.
- With DVDs it is not possible to search by time while in the stop mode.
- It is not possible to search by time during PBC playback of video CDs.
- For some discs the search function is prohibited. In this case the  mark appears on the screen.

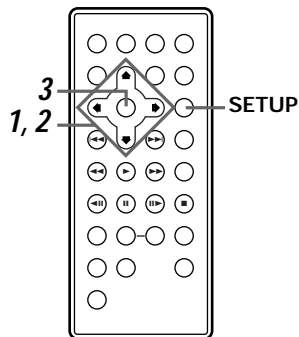


## Selecting the menu number on video CDs with PBC

### Main unit

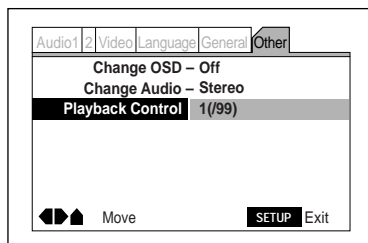


### Remote control unit

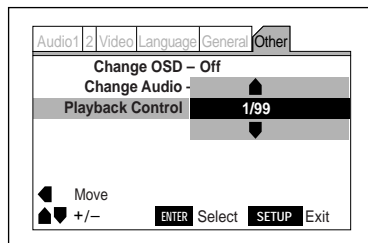


During playback, press the **SETUP** button to display the setup screen (page 57), then perform the operation described below.

- 1 From the "Other" tab on the setup screen, use the **cursor buttons** (▲/▼) to select "Playback Control".



- 2 Press the **cursor button** (▶), then use the **cursor buttons** (▲/▼) to select the number.



- 3 Press the **ENTER** button.

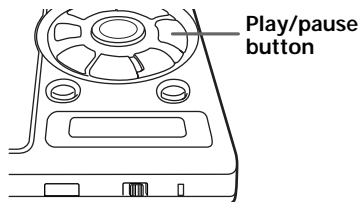
Playback starts from the specified number.

### Hint:

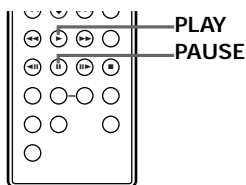
For some discs, some menu options cannot be selected.

### Stopping the picture (still frame mode) - DVDs and video CDs

#### Main unit



#### Remote control unit



#### Operation from the main unit

Press the **play/pause button** during playback.

#### Operation from the remote control unit

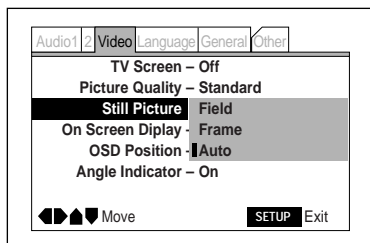
Press the **PAUSE** button during playback.

#### Hint:

- With DVDs, if the picture is shaky, switch the pause mode setting on the setup screen to "Field" (see below).
- Press the **PLAY** or **PAUSE** button to cancel the still frame mode.

### Switching the still frame mode

Use this function to stop the picture from shaking and achieve a clearer picture when the DVD is set to the pause mode. Press the **SETUP** button to display the setup screen, **then operate as described under "Making settings using the setup screen" on pages 60 and 61. Switch the setup screen to the expert mode before making this setting.** (Page 62)



Settings: **Field**  
**Frame**  
**Auto\***

- **Field:** In this mode, shakiness of still pictures is eliminated.
- **Frame:** This is the normal mode.
- **Auto:** The mode automatically switches between field and frame.

This setting can be changed during playback.

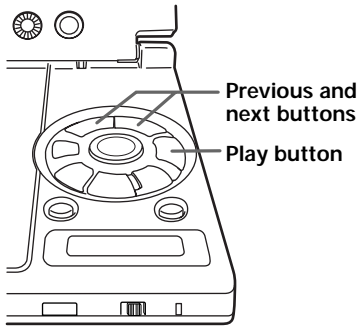
#### Note:

For some discs the picture may not be clearer in the "Field" mode.

\*Factory setting

## Playing one step at a time (step-by-step playback - DVDs and video CDs)

### Main unit



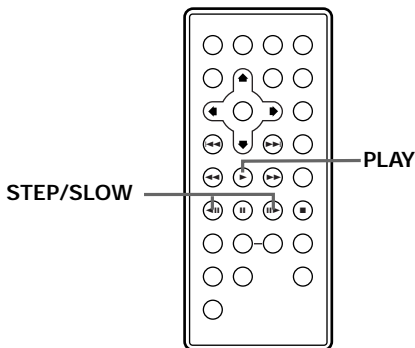
### Operation from the main unit

In the still frame (pause) mode, press the **previous or next button** repeatedly to move forward or backward step-by-step.

◀◀ : Reverse direction

▶▶ : Forward direction

### Remote control unit



### Operation from the remote control unit

In the still frame (pause) mode, press the **STEP/SLOW** button repeatedly to move forward or backward step-by-step.

◀◀ : Reverse direction

▶▶ : Forward direction

#### Hint:

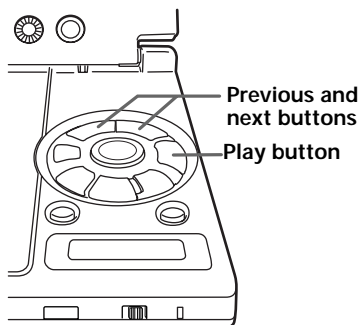
- Press the **play button** to cancel step-by-step playback.
- In the reverse direction, the picture moves back little by little each time the button is pressed.

#### Note:

It is not possible to play video CDs step-by-step in the reverse direction.

### Viewing in slow motion - DVDs and video CDs

#### Main unit



#### Operation from the main unit

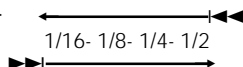
In the still frame (pause) mode, press and hold the **previous** or **next** button.

◀◀ : Reverse direction

▶▶ : Forward direction

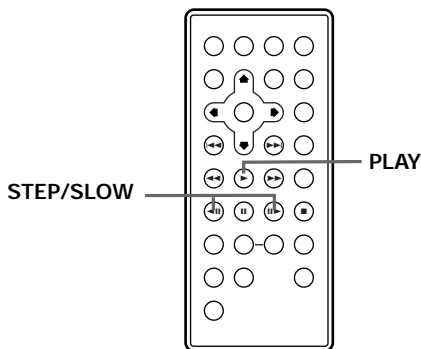
#### To change the slow motion playing speed:

Press the ◀◀ or ▶▶ button during the slow motion mode to adjust the speed in four steps.



- Press the **play** button to cancel the slow motion mode.
- The speed cannot be adjusted during slow motion in the reverse direction.

#### Remote control unit



#### Operation from the remote control unit

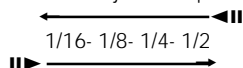
In the still frame (pause) mode, press and hold the **STEP/SLOW** button.

◀◀ : Reverse direction

▶▶ : Forward direction

#### To change the slow motion playing speed:

Press the ◀◀ or ▶▶ button during the slow motion mode to adjust the speed in four steps.



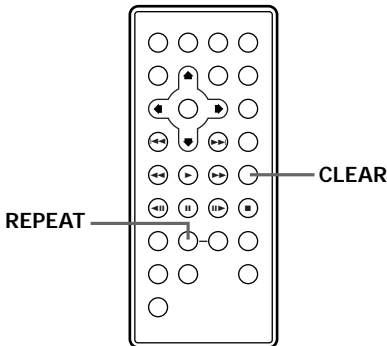
- Press the **PLAY** button to cancel the slow motion mode.
- The speed cannot be adjusted during slow motion in the reverse direction.

#### Notes:

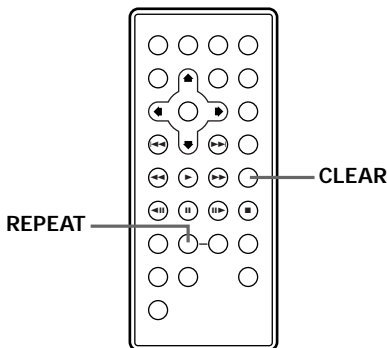
- No sound is produced during the still frame, step-by-step and slow motion play modes.
- The pause, step-by-step play and slow motion play modes cannot be set for some discs. In this case the or mark appears on the screen.
- It is not possible to play video CDs in slow motion in the reverse direction.

## Repeat play - DVDs, video CDs and CDs


## Remote control unit only



## Remote control unit only



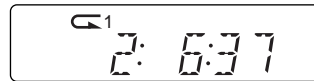
## Notes:

- With some DVDs, some titles cannot be played repeatedly. In this case the  mark appears on the screen.
- Repeat playback is not possible during PBC playback on video CDs.
- When the **REPEAT** button is pressed during programmed playback (page 96), the program is played repeatedly.

## Playing chapters or tracks repeatedly

Press the **REPEAT** button once during playback of the chapter or track you want to repeat.

The following message appears on the display window:



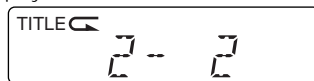
The currently playing chapter or track is played repeatedly.

- Press the **CLEAR** button to cancel the repeat play mode. The repeat mode is canceled but playback continues.
- For CDs and video CDs, the current track is played repeatedly.

## Playing titles repeatedly

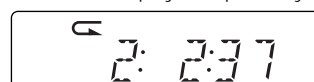
Press the **REPEAT** button twice during playback of the title you want to repeat.

The following message appears on the display window:

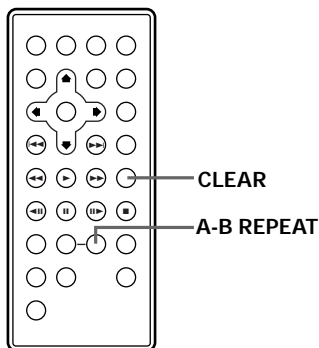


The currently playing title is played repeatedly.

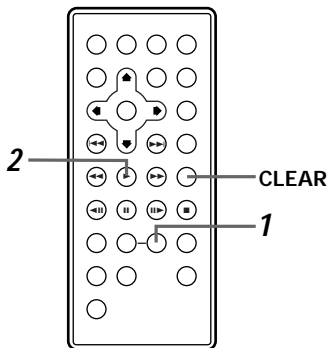
- Press the **CLEAR** button to cancel the repeat play mode.
- For CDs and video CDs, one disc corresponds to one title, so all the tracks on the disc are played repeatedly.




### Remote control unit only



### Remote control unit only



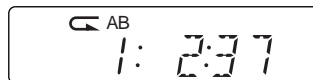
#### Notes:

- With some DVDs, some titles cannot be played repeatedly. In this case the  mark appears on the screen.
- Repeat playback is not possible during PBC playback on video CDs.
- When the **REPEAT** button is pressed during programmed playback (page 96), the program is played repeatedly.

### Playing a specific section repeatedly

During playback, press the **A-B REPEAT** button once at the beginning of the section you want to repeat then again at the end of the section you want to repeat.

The following message appears on the display window:



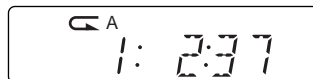
The specified section is played repeatedly.

- Press the **CLEAR** button to cancel the repeat play mode.
- The operation is the same for CDs and video CDs.

### Returning to a specific point

**1** Use the **A-B REPEAT** button to specify the section to be repeated.

The following message appears on the display window:



**2** To return, press the **PLAY** button.

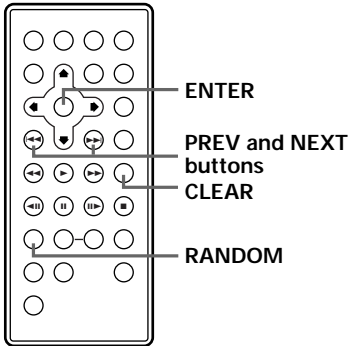
The disc returns to the specified point.

- Press the **CLEAR** button to cancel the repeat play mode.
- The operation is the same for CDs and video CDs.

## Playing in random order (random play) - DVDs, video CDs and CDs

Use the procedure described below to play titles or chapters on DVDs or tracks on video CDs and CDs in random order.

### Remote control unit only



### DVD

#### Playing chapters in random order

During playback, press the **RANDOM** button once, then press the **ENTER** button.

"Random Chapter" appears on the display and the chapters within the title are played in random order.

#### Playing titles in random order

During playback, press the **RANDOM** button twice, then press the **ENTER** button.

"Random Title" appears on the display and the titles are played in random order.

### Video CD CD

#### Playing tracks in random order

During playback, press the **RANDOM** button.

"Random" appears on the display and the tracks are played in random order.

### DVD Video CD CD

#### Stopping random playback

Press the **CLEAR** button.

Normal playback resumes and the chapters or tracks following the current chapter or track are played in order.

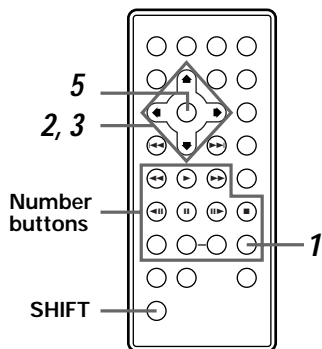
### Hint:

- When the **NEXT** button is pressed, the player selects the next chapter or track and that chapter or track is played.
- When the **PREVIOUS** button is pressed, playback returns to the beginning of the currently playing chapter or track.

### Programmed playback - DVDs

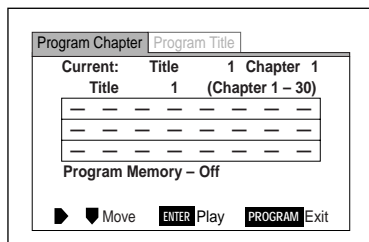
Use the following procedure to play DVDs in a desired order. Up to 24 steps can be programmed.

#### Remote control unit only



#### 1 Press the **PROGRAM** button.

The program screen appears.



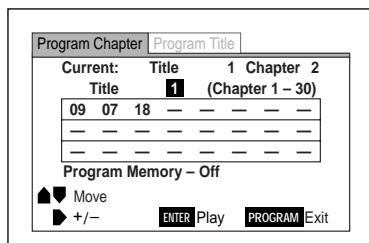
#### 2 Use the **cursor buttons** (◀/▶) to select "Program Chapter" or "Program Title".



To select chapters      To select titles

#### 3 Press the **cursor button** (▼) to move to the program input/editing window.

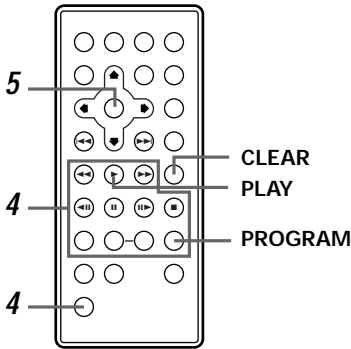
To change the number of the title to be programmed at the "Program Chapter" screen, press the **cursor button** (▲) while at the top step of the program input/editing window, then press the **number buttons** while pressing the **SHIFT** button to specify the desired title.



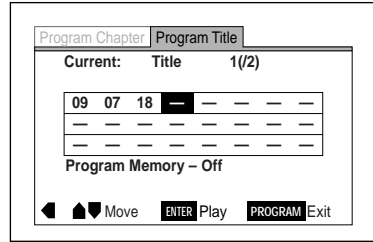
#### Notes:

- Programmed playback is not possible during PBC playback on video CDs.
- Scenes from chapters that are not programmed may appear when the chapter switches, but this is not a malfunction.
- Programming is not possible with some DVDs. In this case the mark appears on the screen.
- When programming chapters, only chapters within the same title can be programmed.



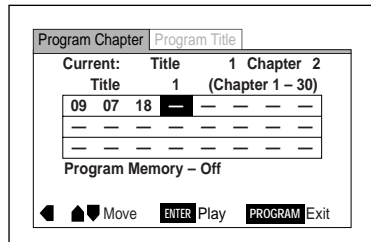


- When "Program Title" is selected, use the **cursor buttons** to refer to the title numbers, then press the **SHIFT** button and **number buttons** to input the title numbers.



- Press the **number buttons** while pressing the **SHIFT** button to specify the titles or chapters in the order in which you want to play them.

For example, to program titles or chapters 9, 7 and 18, press **9**, **7**, **+10** then **8**.



- Press the **ENTER** button.

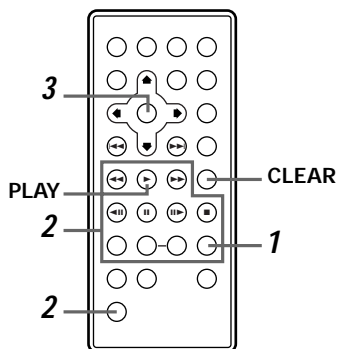
Playback begins in the programmed order.

- Press the **CLEAR** button to stop programmed playback.
- Press the **PROGRAM** button to return to the previous screen. Programmed playback does not start until the **PLAY** or **ENTER** button is pressed.

### Programmed playback - Video CDs and CDs

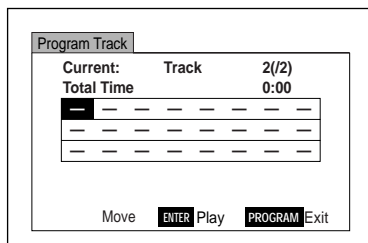
Use the following procedure to play video CDs or CDs in the desired order. Up to 24 steps can be programmed.

#### Remote control unit only



#### 1 Press the **PROGRAM** button.

The program screen appears.



#### 2 Press the **number buttons** while pressing the **SHIFT** button to specify the tracks in the order in which you want to play them.

For example, to program tracks 9, 7 and 18, press **9**, **7**, **+10** then **8**.

#### 3 Press the **ENTER** button.

Playback begins in the programmed order.

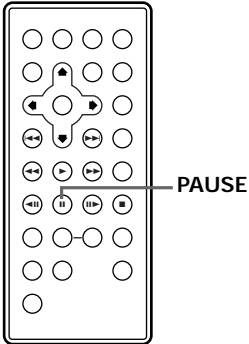
- Press the **CLEAR** button to stop programmed playback.
- Press the **PROGRAM** button to return to the previous screen. Programmed playback does not start until the **PLAY** or **ENTER** button is pressed.

#### Note:

Programmed playback is not possible during PBC playback on video CDs.

## Editing programs - DVDs, video CDs and CDs

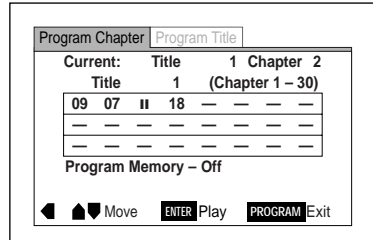
### Remote control unit only



### Programming pauses

Press the **PAUSE** button instead of the number buttons (step 4 on page 97).

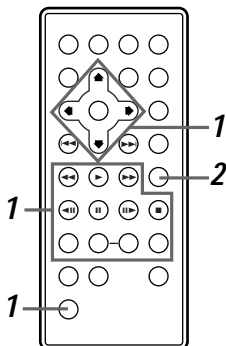
"II" appears and a pause is programmed.



### Hints:

- Pauses cannot be programmed at the first or last chapters or tracks.
- Pauses cannot be programmed twice in a row.

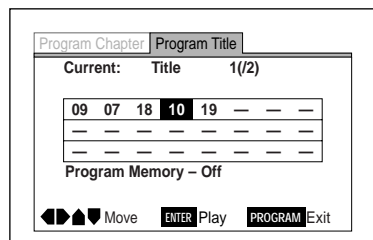
### Remote control unit only



### Correcting mistakes in programs

To clear the mistaken number

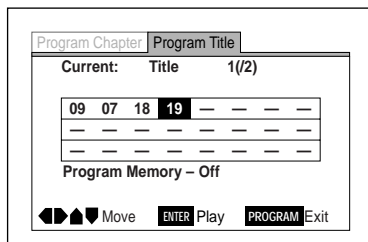
**1** Use the **cursor** buttons (**▲/▼/◀/▶**) to specify the number to be cleared.



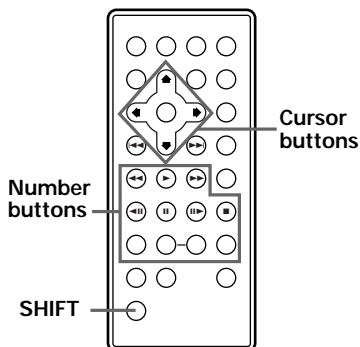
Continued on next page

## 2 Press the **CLEAR** button.

The specified number is cleared and the numbers following it move up one step.

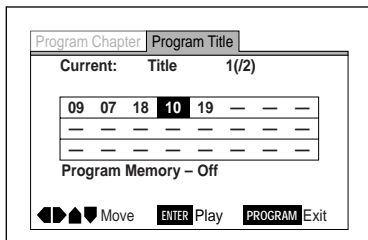


### Remote control unit only



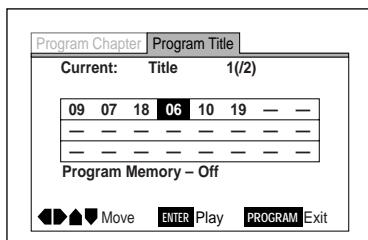
## Adding to programs

- 1 Use the **cursor buttons** (▲/▼/◀/▶) to specify the position at which you want to add a step.



- 2 Press the **number buttons** while pressing the **SHIFT** button.

The numbers from the specified number on move to the right and the new number is inserted.

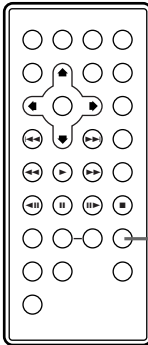


### Note:

If 24 steps are already programmed, use the **CLEAR** button to clear a step before adding a new step.

## Editing programs - DVDs, video CDs and CDs

## Remote control unit only



PROGRAM

**Hint:**

When titles are programmed, the currently playing title is programmed.

## Direct programming

Use this function during playback to program the currently playing chapter or track.

During playback, press the **PROGRAM** button for at least one second.

The following message appears on the display.

DVD

Chapter 03 ► Program 07

Video CD CD

Track 01 ► Program 02

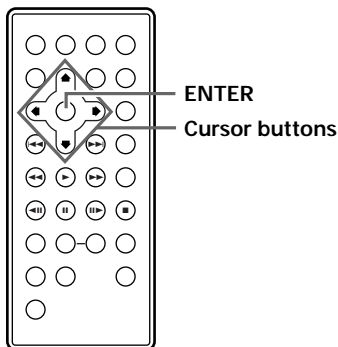
### Editing programs - DVDs, video CDs and CDs

#### Storing programs in the memory

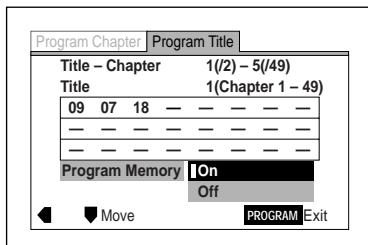
With this player, programs can be stored in the memory for up to 24 DVDs. When a program is stored in the memory for a certain DVD, programmed playback starts when that DVD is loaded. If a program is stored for a 25th DVD, the oldest program in the memory is automatically cleared.

As many as 24 chapters on the disc can be programmed and the program can be stored in the player's memory. When this is done, the disc is automatically played in the programmed order the next time it is loaded. Programs can be stored in the player's memory for up to 24 discs.

#### Remote control unit only



- 1 Use the **cursor button (▼)** to select "On" for "Program Memory".



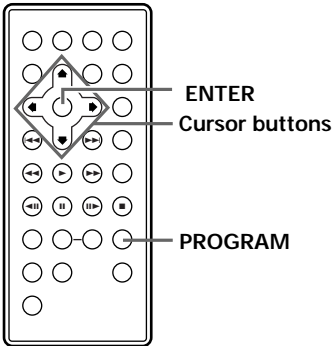
- 2 Press the **ENTER** button.

#### Clearing programs from the memory

To clear programs from the memory, use the **cursor buttons (▲/▼)** to select "Off" for "Program Memory", then press the **ENTER** button. Note that even when this is done the numbers remain in the program input/editing window.

## Editing programs - DVDs, video CDs and CDs

### Remote control unit only



### Checking programs

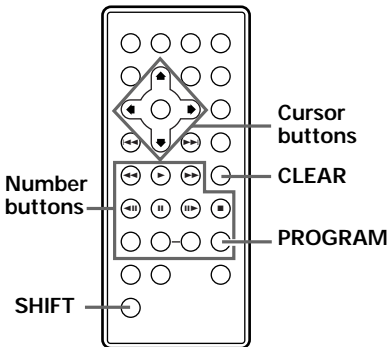
Press the **PROGRAM** button.

- For DVDs, use the **cursor buttons** (◀/▶) to select "Program Chapter" or "Program Title".
- The chapters or titles programmed for the currently playing DVD can be checked.
- The tracks programmed for the currently playing CD or video CD can be checked.

### Adding to programs

Even after a program has been set, you can display the program screen and add to the program.

### Remote control unit only



**1** Press the **PROGRAM** button.

**2** Press the **cursor button** (▼).

The cursor moves to the program input/editing window.

**3** Press the **number buttons** while pressing the **SHIFT** button to input the number, then press the **PROGRAM** button.

### Clearing steps from programs

**1** Press the **PROGRAM** button.

**2** Press the **cursor button** (▼).

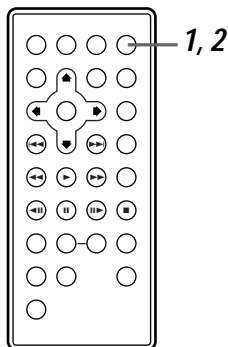
The cursor moves to the program input/editing window.

**3** Use the **cursor buttons** (▲/▼/◀/▶) to select the program step to be cleared, then press the **CLEAR** button.


When the **CLEAR** button is pressed in the stop mode, the entire program is cleared.

### Selecting the DVD's angle (multi-angle)

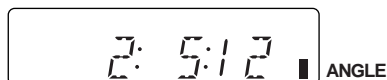
With DVDs including images recorded from multiple camera angles, the angle can be switched during playback.



#### Operation from the remote control unit

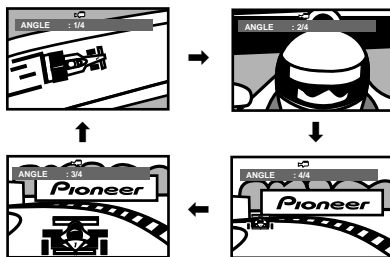
- 1 When the  mark appears during playback, press the **ANGLE** button.

"" appears on the display window.





- 2 Press the **ANGLE** button to select the desired angle.


The angle switches each time the **ANGLE** button is pressed.



#### Notes:

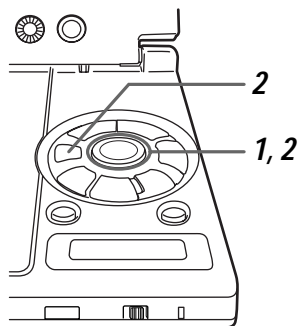
- DVDs on which multiple angles are recorded are indicated by the  mark on the disc's jacket.
- When a section at which multiple angles are recorded is played, the  mark appears on the display if the setup screen's "Angle Indicator" is set turned on.
- The angle cannot be selected for titles for which only one angle is recorded.
- If the angle is switched in the pause mode, the pause mode is canceled.

#### Hints:

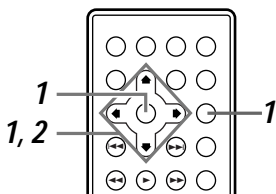
- You can choose whether or not the  mark appears during playback by turning the "Angle Indicator" setting on the setup screen's "Video" menu on and off. (Page 105)
- For some DVDs, the multi-angle setting can also be switched from the menu.



### Main unit

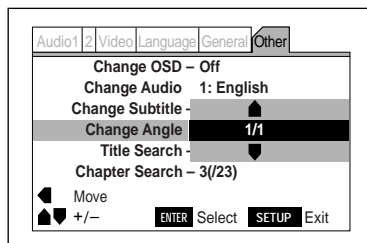


### Remote control unit




### Operation on the setup screen

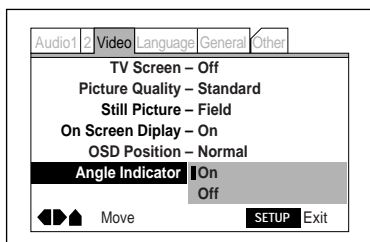
- 1 From the "Other" tab on the setup screen, select "Change Angle", then press the **cursor button** (▶).



- 2 Use the **cursor buttons** (▲/▼) to select the angle, then press the **ENTER** button.



## Turning the display of the angle mark on and off

Set whether or not to display the  mark on the screen during playback. Press the **SETUP** button to display the setup screen, **then operate as described under "Making settings using the setup screen" on pages 60 and 61. Switch the setup screen to the expert mode before making this setting. (Page 62)**



Settings: **On\***  
**Off**

### Angle indicator setting

- **On:** The  mark is displayed on the screen.
- **Off:** The  mark is not displayed on the screen.

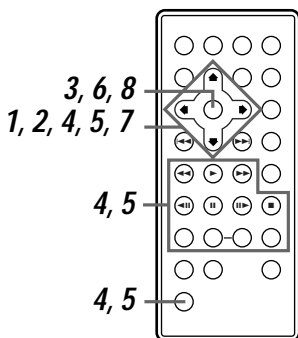
This setting can be changed during playback.

\*Factory setting

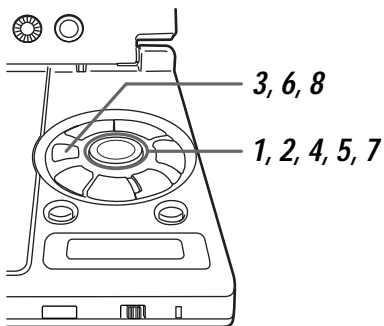
## Setting the Parental Lock Level

On some DVDs, viewing of violent scenes or other scenes you do not want children to see can be restricted. The viewing restriction level can be set in steps.

### Remote control unit



### Main unit



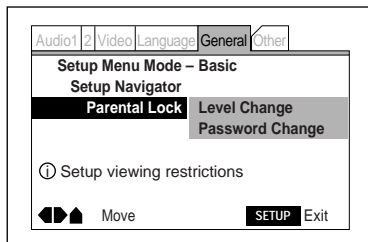
#### Note:

For DVDs not including the parental lock function, the parental lock can be set, but the DVD will be played normally.

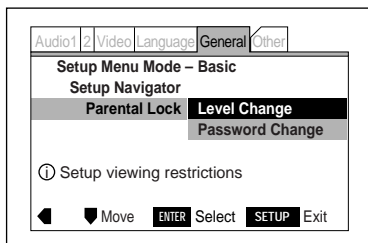
### Setting the level

Making this setting when setting the level for the first time or when changing the level. Press the **SETUP** button to display the setup screen (page 57), then perform the operation described below.

- 1 From the "General" tab on the setup screen, use the **cursor buttons** (▲/▼) to select "Parental Lock".



- 2 Press the **cursor button** (▶), then use the **cursor buttons** (▲/▼) to select "Level Change".

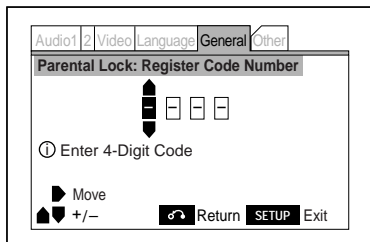


#### Note:

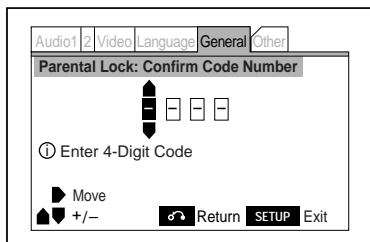
The level cannot be changed when no password is set.

### 3 Press the **ENTER** button.

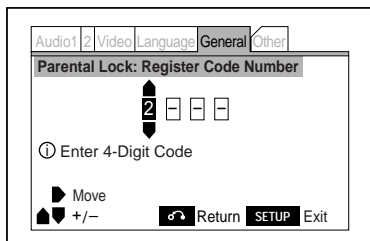
If the password has not yet been set, the password setting screen appears.



If the password has already been set, the password input screen appears.



### 4 Use the **cursor buttons** (▲/▼) to input numbers between 0 and 9.

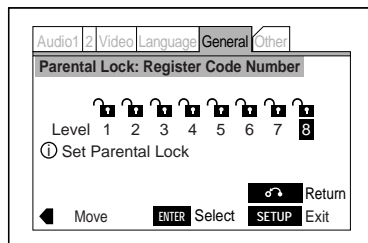


On the remote control unit, press the **number buttons** while pressing the **SHIFT** button to input a 4-digit number. The input numbers are displayed as asterisks (\*). Once the numbers are input, proceed to step 6.

### 5 Press the **cursor button** (▶) to move the cursor to the right, then input all four digits as in step 4.

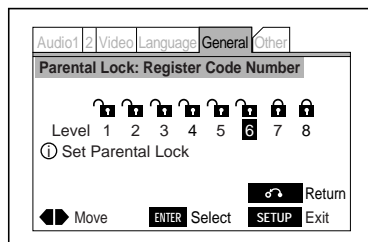
### 6 Press the **ENTER** button.

The parental lock level setting screen appears. The default level is 8.



### 7 Use the **cursor buttons** (◀/▶) to select the level.

Refer to the disc's label.



### 8 Press the **ENTER** button.

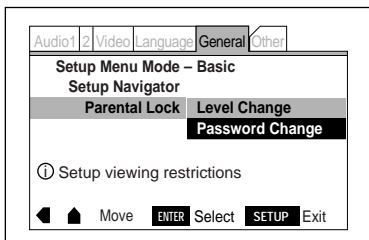
The parental lock level is set.

#### Notes:

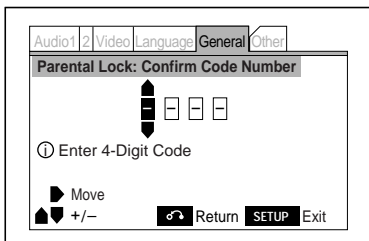
- We recommend writing down the password.
- If you forget the password, the settings can be reset to the factory default values. (Page 118)
- The parental lock function cannot be set for all DVDs. This function will not work with DVDs on which the parental lock function is not mentioned on the disc's jacket.

### Changing the password

- 1 Use the **cursor buttons** (▲/▼) to select “Password Change”.



- 2 Press the **ENTER** button.  
The password input screen appears.



- 3 Use the **cursor buttons** (▲/▼/◀/▶) to input the numbers.

- 4 Press the **ENTER** button.  
The password change screen appears.

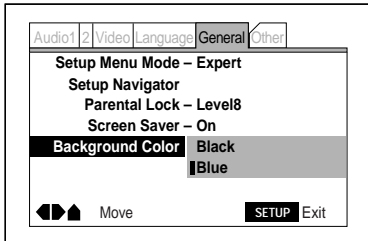
- 5 Use the **cursor buttons** to input the new password.  
For instructions, see steps 4 and 5 on page 107.

#### Hint:

- “Password Change” cannot be selected if no password has been set yet.
- The parental lock level is stored in the last memory, condition memory, resume memory and program memory.
- For some DVDs, the “Parental Lock: Input Password” screen is displayed at the beginning.

## Selecting the background color

Select the color of the screen that appears when the disc is stopped. Press the **SETUP** button to display the setup screen, **then operate as described under “Making settings using the setup screen” on pages 60 and 61. Switch the setup screen to the expert mode before** making this setting. (Page 62).



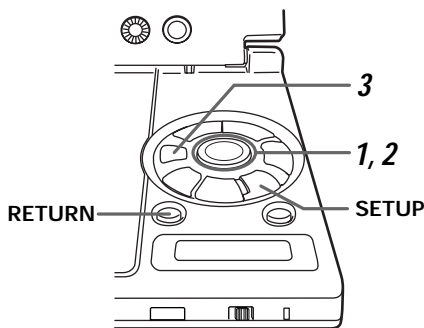
- **Black:** The background is black.
- **Blue:** The background is blue.

This setting can be changed during playback.

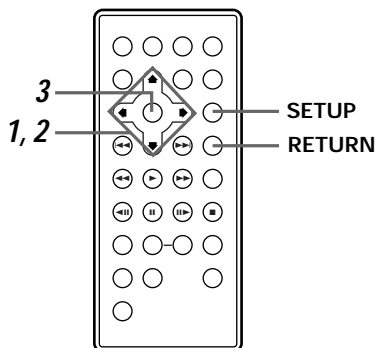
Settings: **Black**  
**Blue\***

\*Factory setting

### Main unit

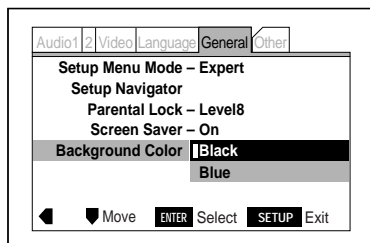


### Remote control unit

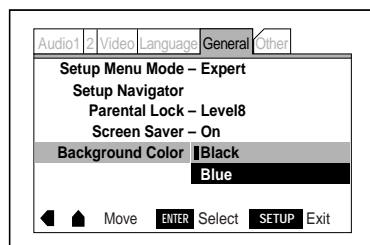


Press the **SETUP** button to display the setup screen (page 57), then perform the operation described below.

- 1 From the "General" tab on the setup screen, use the **cursor buttons** (▲/▼) to select "Background Color", then press the **cursor button** (▶).



- 2 Use the **cursor buttons** (▲/▼) to select the desired color.



- 3 Press the **ENTER** button.

The screen switches to selected color.

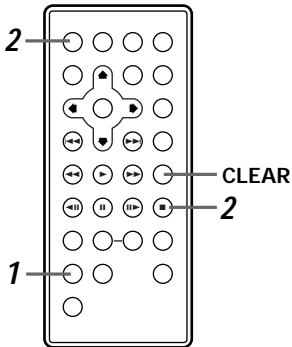
#### Hint:

Press the **RETURN** button to cancel the setting.

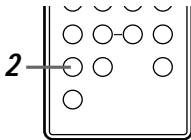
## Resuming playback from a specific position (last memory) - DVDs and video CDs

The last memory function can be used to resume playback from the desired position.

### Remote control unit only



### Remote control unit only



#### Notes:

- With DVDs, this function may not work with some discs.
- With DVDs, when you store the last memory position for a sixth disc, the oldest position in the memory (the first one stored) is overwritten.
- With video CDs, the last memory position can only be stored for one disc, **and the position is cleared from the memory when the disc is removed.**
- With video CDs, the last memory function may not work when playing the disc with playback control. If this happens, play the disc without displaying the menus. (Page 49).

### Storing the position from which playback is to be resumed

- 1 Press the **LAST MEMORY** button during playback.

"Last Memory" appears on the display.

- 2 Press the **power button** to turn off the power or press the **STOP** button.

#### Hint:

Unlike the resume function, with the last memory function the position remains in the memory even after the disc is removed. Last memory positions can be set for up to five DVDs.

### Resuming playback from the last memory position

- 1 Load the disc for which the last memory position is stored.

With some DVDs, playback starts automatically when the disc is loaded. In this case, press the **STOP** button to stop playback.

- 2 In the stop mode, press the **LAST MEMORY** button.

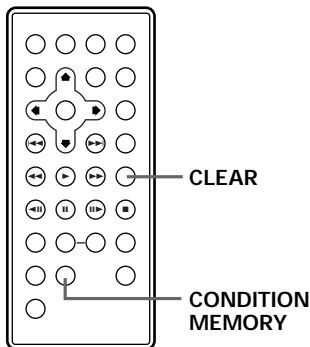
### Clearing the last memory position

Perform the procedure under "Resuming playback from the last memory position" above, then in step 2 press the **CLEAR** button while "Last Memory" is displayed. "Last Memory" turns off and the last memory position is cleared from the memory.

### Storing settings for often viewed DVDs (condition memory)

The condition memory function can be used to store the various settings on the DVD.

#### Remote control unit only



During playback, press the **CONDITION MEMORY** button.

"Condition Memory" appears on the display.

The following six settings can be stored in the memory:

- Subtitle language (page 63)
- Audio language (page 64)
- On-screen display position (page 71)
- Picture quality (page 71)
- Multi-angle (page 104)
- Parental lock (page 106)

#### Hint:

Once the settings are stored, they remain in the memory even when the power is turned off or the disc is removed. The condition memory can be set for up to 15 DVDs.

#### When a disc for which the condition memory is set is loaded

"Condition Memory" appears on the display and the stored settings are set automatically.

#### To clear the condition memory

Load a disc for which the condition memory is set and press the **CLEAR** button while "Condition Memory" is displayed. "Condition Memory" turns off and the condition memory is cleared.

#### Hint:

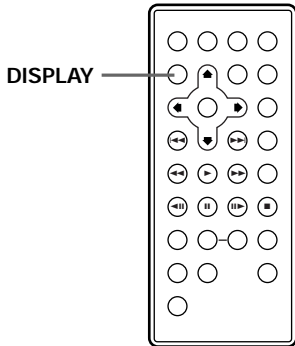
- Once the settings are stored, they remain in the memory no matter how many times the disc is played.
- When you set the condition memory for a 16th disc, the oldest settings in the memory (the first ones stored) are overwritten.
- When any of the stored settings are changed, play the disc and press the **CONDITION MEMORY** button.
- For some discs the audio language and other settings may switch automatically.



## Viewing the disc information - DVDs, video CDs and CDs

Use the following procedure to view the title or chapter information for DVDs, the track information for video CDs and CDs.

### Remote control unit only



### Viewing the disc information in the stop mode

In the stop mode, press the **DISPLAY** button.

The disc information appears on the screen.

#### DVD

A list of the titles and the number of chapters in each title is displayed.

Information: DVD			
Title	Chapter	Title	Chapter
01	1- 30	06	1- 10
02	1- 21	07	1- 13
03	1- 46	08	1- 5
04	1- 12	09	1- 4
05	1- 8	10	1- 8
1/2		▶ <b>DISPLAY</b> Exit	

To view the information for title numbers 11 and higher, press the **cursor button** (▶) to display the next screen.

#### Video CD (CD)

A list of the track numbers and their times is displayed.

Information: CD			
Total Time		72.04	
Track	Time	Track	Time
01	5.23	06	6.51
02	4.55	07	3.18
03	6.13	08	6.50
04	5.45	09	4.16
05	5.10	10	3.22
1/2		▶ <b>DISPLAY</b> Exit	

To view the information for track numbers 11 and higher, press the **cursor button** (▶) to display the next screen.

## Viewing the disc information during playback using the remote control unit

During playback, press the **DISPLAY** button repeatedly.

The disc information is displayed as described below each time the button is pressed.

**DVD**

When pressed **once**, the title information is displayed.

Play	3-29	49.58
Title	-51.06 /	101.04

**Top line:** Current title number  
Current chapter number/  
elapsed time of current title

**Bottom line:** Remaining time of current  
title/total time of current  
title



When pressed **twice**, the chapter information is displayed.

Play	3-32	54.53
Chapter	0.21 /	1.51

**Top line:** Current title number  
Current chapter number/  
elapsed time of current title

**Bottom line:** Elapsed time of current  
chapter/total time of current  
chapter



When pressed **three times**, more chapter information is displayed.

Play	3-32	54.53
Chapter	-1.30 /	1.51

**Top line:** Current title number  
Current chapter number/  
elapsed time of current title

**Bottom line:** Remaining time of current  
chapter/total time of current  
chapter



When pressed **four times**, the data transmission rate (\*) level meter is displayed.

Play	3-32	54.53
Tr. Rate:	■■■■■■■	6.3

**Top line:** Current title number  
Current chapter number/  
elapsed time of current title

**Bottom line:** Transmission rate level  
meter/transmission rate level



When pressed **five times**, the on-screen display turns off.

\* This value indicates the amount of image data recorded on the DVD. The higher the data transmission rate level, the greater the amount of data. Note that this level is not directly related to picture quality.

### Hint:

The information can also be viewed from the "Other" tab on the setup screen.

### Note:

For some titles, the chapters and time may not be displayed.

### Video CD

When pressed **once**, the video CD's information is displayed.

Play	3/12	10.53
All	-59.26/	70.19

**Top line:** Current track number/total number of tracks

Video CD's total elapsed time

**Bottom line:** Video CD's remaining time/ video CD's total time



When pressed **twice**, the track information is displayed.

Play	3	10.53
Track	3.56/	5.23

**Top line:** Current track number  
Video CD's total elapsed time

**Bottom line:** Elapsed time of current track/ total time of current track



When pressed **three times**, more track information is displayed.

Play	3	10.53
Track	1.27/	5.23

**Top line:** Current track number  
Video CD's total elapsed time

**Bottom line:** Remaining time of current track/ total time of current track



When pressed **four times**, the on-screen display turns off.

#### Notes:

- For some discs, the disc information may not be displayed.
- The disc information is not displayed during PBC playback of video CDs.

### CD

When pressed **once**, the current track information is displayed.

Play	3	0.03
Track	-3.29/	3.32

**Top line:** Current track number/  
elapsed time of current track

**Bottom line:** Remaining time of current track/total time of current track



When pressed **twice**, the CD information is displayed.

Play	1/10	1.13
All	-66.20/	66.32

**Top line:** Current track number/total number of tracks  
Elapsed time of current track

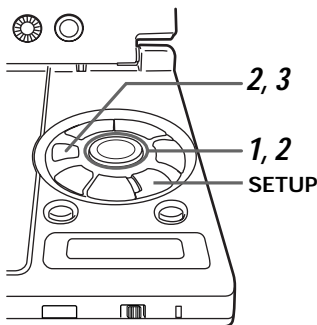
**Bottom line:** CD's remaining time/CD's total time



When pressed **three times**, the on-screen display turns off.

#### Hint:

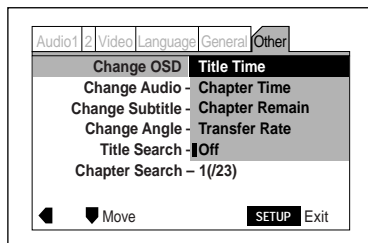
The information can also be viewed from the "Other" tab on the setup screen.



## Viewing the disc information during playback using the main unit

Press the **SETUP** button to display the setup screen (page 57), then perform the operation described below.

- 1 From the "Other" tab on the setup screen, use the **cursor buttons** (▲/▼) to select "Change OSD", then press the **cursor button** (►).



The screen above is for DVDs.

- 2 Press the **ENTER** button, then use the **cursor button** (▼) to make the selection.

- **Title Time:** The title information is displayed.
- **Chapter Time:** The chapter information is displayed.
- **Chapter Remain:** The chapter information is displayed.
- **Transfer Rate:** The data transmission rate level meter is displayed.
- **Off:** The on-screen display turns off.

For details, refer to page 111.

- 3 Press the **ENTER** button.

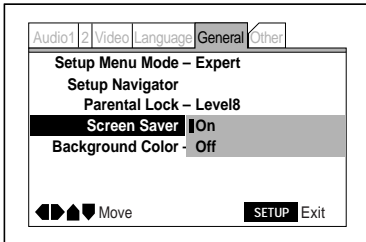
The corresponding information is displayed on the screen.

### Notes:

- For some discs, the disc information may not be displayed.
- The displayed items differ according to the type of disc (DVD, video CD or CD).

## Setting the screen saver

The screen saver is a function for protecting the screen from afterimages caused when a still image remains on the screen for long periods of time (such as when in the pause mode). Press the **SETUP** button to display the setup screen, **then operate as described under "Making settings using the setup screen" on pages 60 and 61. Switch the setup screen to the expert mode before making this setting.** (Page 62).



- **On:** The screen saver is displayed.
- **Off:** The screen saver is not displayed.

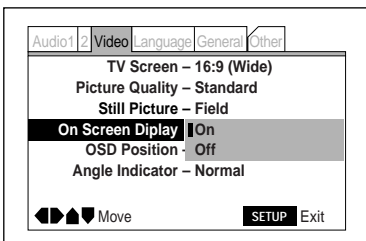
This setting can be changed during playback.

Settings: **On\***  
**Off**

\*Factory setting

## Turning the on-screen display on and off

Set whether or not to display the on-screen messages that appear when DVD operations (play, stop, etc.) and other operations are performed. Press the **SETUP** button to display the setup screen, **then operate as described under "Making settings using the setup screen" on pages 60 and 61. Switch the setup screen to the expert mode before making this setting.** (Page 62).



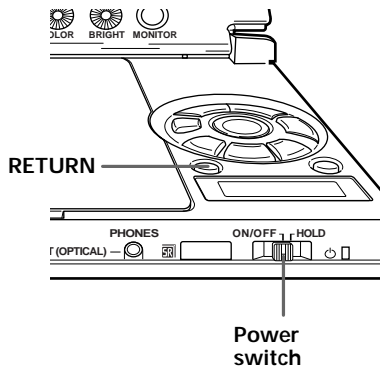
- **On:** The on-screen messages are displayed.
- **Off:** The on-screen messages are not displayed.

This setting can be changed during playback.

Settings: **On\***  
**Off**

\*Factory setting

### Restoring all the settings to the factory default values



With the power turned off (when the power indicator is lit red or off), slide the **power switch** to the ON/OFF side (left side) while pressing in the **RETURN** button.

The power indicator switches to green.

The last memory, condition memory and all other stored program memories are cleared and all of the settings are reset to the factory default values.

# Troubleshooting

If the problem persists after checking the points below, contact your store of purchase.

## Power does not turn on

- ➔ Connect the AC adapter properly. (Page 41)

## Playback is not possible

- ➔ Disc is extremely dirty.
- ➔ Disc is not properly set on disc table.
- ➔ Region number is wrong.
- ➔ There is condensation inside the player.
- ➔ SECAM format discs cannot be played on this player.
- ➔ Disc is loaded upside-down.
- ➔ Audio/video input/output selector switch is set to AV-IN (left side).
- ➔ When the TV SYSTEM switch is set to NTSC or AUTO, the display screen is turned off and the video image is not displayed.



## mark appears on screen

- ➔ The operation is prohibited by the disc itself.



## mark appears on screen

- ➔ The operation is prohibited by the player.

## Picture stops or buttons do not operate

- ➔ Press the pause button, then resume playback.
- ➔ Main unit's power switch is set to "HOLD".

## Settings are cleared

- ➔ The settings are cleared if there is a power failure or the power cord is unplugged while the power is on. Before unplugging the power, always slide the main unit's power switch or press the power button on the remote control unit so that "OFF" turns off on the main unit's display window.

## "DVD" appears during setup operation

- ➔ A setting that can only be set for DVDs has been selected while a CD or video CD is loaded.

## Picture is stretched or aspect is wrong

- ➔ TV size setting is wrong.

## Picture is disturbed or dark when playing a DVD

- ➔ This player is compatible with analog copy protect type copy guards. Some discs include copy prohibit signals. Problems such as horizontal stripes on the picture, etc., may occur when such discs are played. This is not a malfunction of the player.

## Playback stops or power turns off during operation

- ➔ When using the battery pack (PDV-BT10), to save energy the stop mode is set after about 5 minutes in the pause mode and the power is turned off about 5 minutes after the stop mode is set.

### **Picture is disturbed when a DVD is recorded on a VCR or played via a VCR**

- ➡ This player is compatible with analog copy protect type copy guards. Some discs include copy prohibit signals. Such discs will not play properly when played via a VCR or when recorded on a VCR.

### **Player cannot be operated with the remote control unit**

- ➡ Remote control unit is too far from the main unit or at too strong an angle with respect to the remote sensor.
- ➡ Main unit's power switch is set to "HOLD".
- ➡ Remote control unit's battery is worn out.

### **TV or other device operates erroneously**

- ➡ The player's remote control unit may cause some TVs with wireless remote control to operate erroneously.

### **No sound is produced from speakers or sound is distorted**

- ➡ For some discs, 96 kHz digital output of linear PCM audio signals is prohibited.
- ➡ Disc is dirty.
- ➡ Pause or slow play mode is set.
- ➡ Main unit's volume is set to the minimum.
- ➡ Headphones are plugged in.
- ➡ Optical fiber cable is connected.
- ➡ Liquid crystal display is closed.

### **Volume is different for DVDs and CDs**

- ➡ This is due to the different recording methods.

### **No sound is produced or sound is distorted when connected to a TV, AV amplifier, etc.**

- ➡ Connection cords are not securely plugged in or not connected.
- ➡ Connection plugs or jacks are dirty.
- ➡ Audio cables are not properly connected.
- ➡ DTS audio digital output is connected to a non-compatible AV amplifier, etc.

### **No picture appears on liquid crystal display**

- ➡ "Off" is selected with the player's monitor button.
- ➡ Audio/video input/output selector switch is set to AV-IN (left side).
- ➡ When the TV SYSTEM switch is set to NTSC or AUTO, the display screen is turned off and the video image is not displayed.

### **Player gets hot**

- ➡ This is normal.

#### **Note:**

The player may stop operating properly due to static electricity or other external influences. In this case, unplugging the power cord then plugging it back in will usually resolve the problem. If not, consult your nearest PIONEER service center.

#### **Liquid crystal display**

With liquid crystal displays, a few picture elements may be black or shine a particular color. This is normal.



# Cautions on Use

## Handling discs

### Handling

When holding with both hands



When holding with one hand



- Do not use damaged (cracked or warped) discs.
- Do not scratch the signal surface or let it get dirty.
- Do not attach paper or seals to discs.
- The player may be damaged if there is any exposed glue, etc., on discs. For rental discs in particular, extra labels are often attached to the discs. Check carefully for any exposed glue before using such discs.

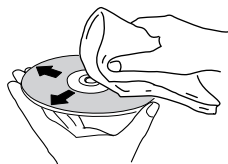


### Storing discs

- Always place discs in their case and store them vertically. Avoid storing discs in hot or humid places, places exposed to direct sunlight and places in which the temperature is extremely low.
- Read any cautions included with the disc carefully.

### Cleaning discs

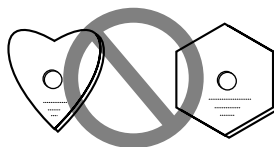
- Fingerprints or dust on discs may reduce sound or picture quality. Remove them by gently wiping the disc from the center toward the edges using a soft cloth.



- Do not use benzene, thinner or other volatile chemicals. Do not use record spray or antistatic spray either.
- We recommend using the separately sold cleaning set to clean discs.
- For tough dirt, apply some water to a soft cloth, wring out thoroughly, wipe off the dirt, then wipe off the disc with a dry cloth.

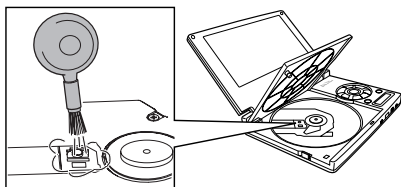
### Irregularly shaped discs

Irregularly shaped discs (heart-shaped discs, hexagonal discs, etc.) cannot be played on this player. Doing so could damage the player. Never use such discs.



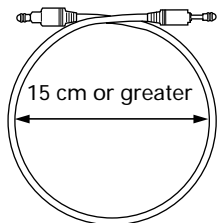
### Cleaning the lens

The sound may skip and the picture may be disturbed if there is dirt or dust on the lens. If this happens, use a commercially available camera lens blower to clean the lens. When doing so, be careful not to touch the lens or expose it to strong wind. Note that using commercially available CD lens cleaning discs may damage the lens.



### Cautions on handling separately sold optical fiber cables

- Do not bend at strong angles. When storing, coil the cable with a diameter of at least 15 cm.
- When connecting, insert fully to the hilt.  
Use a cable no more than 3 meters in length.
- If the plug is scratched or dusty, wipe it off with a soft cloth before connecting the cable.



### Condensation

Water droplets or condensation may form inside the player (on operating parts or the lens) if it is moved from a cold place (in winter, for example) into a warm room or if the room in which it is located is heated abruptly. The player will not operate normally and will not play discs if there is condensation inside. To eliminate the condensation and restore the player to normal operation, let the player stand for 1 to 2 hours (depending on the extent of the condensation) at room temperature with the power turned on. Condensation may also form if the player is exposed to the cold wind of an air conditioner in the summer. If so, move the player to a different place.



# Language Code List

Language codes are used when setting the audio and subtitle language preferences. (Page 66)

Language	Language code	Input code
Japanese	ja	1001
English	en	0514
French	fr	0618
German	de	0405
Italian	it	0920
Spanish	es	0519
Dutch	nl	1412
Russian	ru	1821
Chinese	zh	2608
Korean	ko	1115
Greek	el	0512
Afar	aa	0101
Abkhazian	ab	0102
Afrikaans	af	0106
Amharic	am	0113
Arabic	ar	0118
Assamese	as	0119
Aymara	ay	0125
Azerbaijani	az	0126
Bashkir	ba	0201
Byelorussian	be	0205
Bulgarian	bg	0207
Bihari	bh	0208
Bislama	bi	0209
Bengali	bn	0214
Tibetan	bo	0215
Breton	br	0218
Catalan	ca	0301
Corsican	co	0315
Czech	cs	0319
Welsh	cy	0325
Danish	da	0401
Bhutani	dz	0426
Esperanto	eo	0515
Estonian	et	0520
Basque	eu	0521
Persian	fa	0601
Finnish	fi	0609
Fiji	fj	0610

Language	Language code	Input code
Faroese	fo	0615
Frisian	fy	0625
Irish	ga	0701
Scots-Gaelic	gd	0704
Galician	gl	0712
Guarani	gn	0714
Gujarati	gu	0721
Hausa	ha	0801
Hindi	hi	0809
Croatian	hr	0818
Hungarian	hu	0821
Armenian	hy	0825
Interlingua	ia	0901
Interlingue	ie	0905
Inupiak	ik	0911
Indonesian	in	0914
Icelandic	is	0919
Hebrew	iw	0923
Yiddish	ji	1009
Javanese	jw	1023
Georgian	ka	1101
Kazakh	kk	1111
Greenlandic	kl	1112
Cambodian	km	1113
Kannada	kn	1114
Kashmiri	ks	1119
Kurdish	ku	1121
Kirghiz	ky	1125
Latin	la	1201
Lingala	ln	1214
Laothian	lo	1215
Lithuanian	lt	1220
Latvian	lv	1222
Malagasy	mg	1307
Maori	mi	1309
Macedonian	mk	1311
Malayalam	ml	1312
Mongolian	mn	1314

## Language Code List

Language	Language code	Input code
Moldavian	mo	1315
Marathi	mr	1318
Malay	ms	1319
Maltese	mt	1320
Burmese	my	1325
Nauru	na	1401
Nepali	ne	1405
Norwegian	no	1415
Occitan	oc	1503
Oromo	om	1513
Oriya	or	1518
Panjabi	pa	1601
Polish	pl	1612
Pashto	ps	1619
Portuguese	pt	1620
Quechua	qu	1721
Rhaeto-Romance	rm	1813
Kirundi	rn	1814
Romanian	ro	1815
Kinyarwanda	rw	1823
Sanskrit	sa	1901
Sindhi	sd	1904
Sangho	sg	1907
Serbo-Croatian	sh	1908
Sinhalese	si	1909
Slovak	sk	1911
Slovenian	sl	1912
Samoan	sm	1913
Shona	sn	1914
Somali	so	1915
Albanian	sq	1917
Serbian	sr	1918
Siswati	ss	1919
Sesotho	st	1920
Sundanese	su	1921
Swedish	sv	1922
Swahili	sw	1923
Tamil	ta	2001

Language	Language code	Input code
Telugu	te	2005
Tajik	tg	2007
Thai	th	2008
Tigrinya	ti	2009
Turkmen	tk	2011
Tagalog	tl	2012
Setswana	tn	2014
Tonga	to	2015
Turkish	tr	2018
Tsonga	ts	2019
Tatar	tt	2020
Twi	tw	2023
Ukrainian	uk	2111
Urdu	ur	2118
Uzbek	uz	2126
Vietnamese	vi	2209
Volapük	vo	2215
Wolof	wo	2315
Xhosa	xh	2408
Yoruba	yo	2515
Zulu	zu	2621

# Specifications

## General

DVD, video CD and compact disc digital audio system

## Power requirements

AC 100 to 240 V, 50/60 Hz  
(AC adapter) (included)

Battery pack (nickel hydrogen), 8.4 V,  
4500 mAh) (included)

## Power consumption

20 W (PDV-LC10, during DVD playback,  
AC adapter/220 to 240 V)

8 W (PDV-10, during DVD playback, AC  
adapter/220 to 240 V)

1.6 W (standby, AC adapter/220 to  
240 V)

## Main unit weight

690 g (PDV-LC10)

370 g (PDV-10)

## External dimensions

190 (W) x 142 (D) x 28 (H) mm (PDV-LC10)  
(not including protruding parts)

190 (W) x 142 (D) x 18 (H) mm (PDV-10)  
(not including protruding parts)

## Operating temperature

+5°C to +35°C

## Operating humidity

5% to 85% (no condensation)

## S video output

Y output level 1 Vp-p (75 ohm)

C output level 286 mVp-p (75 ohm)

Output jack 3-pole minijack

## AV input/output (PDV-LC10)

Video input/output level  
1 Vp-p (75 ohm)

Audio input/output level  
150 mVrms  
(1 kHz, -20 dB)

Input/output jack 4-pole minijack, input/  
output switching type

## AV output (PDV-10)

Video output level 1 Vp-p (75 ohm)

Audio output level 150 mVrms  
(1 kHz, -20 dB)

Output jack 4-pole minijack

## Digital audio output characteristics

Frequency response  
4 Hz to 44 kHz (DVD)

4 Hz to 20 kHz (CD)

Wow and flutter Limit of measurement  
±0.001% W. PEAK) or lower (EIAJ)

## Other terminals

Headphones/optical digital output  
terminal Mini optical connector

## Liquid crystal display (PDV-LC10 only)

α-Si TFT active matrix 7.0" wide liquid  
crystal display

## Accessories

Card type remote control unit  
(w/ lithium battery) 1

AV cable 1

S-Video cable 1

AC adapter 1

Power cord 1

Optical fiber cable 1

Operating instructions 1

## PDV-LC10 only

Battery case 1

Charger 1

Battery pack 1

Power cord 1

## Note

The specifications and design of this  
product are subject to change without  
notice, due to improvement.

# Terms

## Aspect ratio

The aspect ratio is the ratio of the width to the height of the TV screen. The aspect ratio of a standard TV is 4:3, while that of high-definition and wide screen TVs is 16:9. The latter lets you enjoy a picture with a wider perspective.

## Chapter numbers

Titles on discs are divided into several sections called chapters - like the chapters in a book. When chapter numbers are recorded on the disc, the chapter search function can be used to find the desired section of the title immediately.

## Dolby Digital

Dolby Digital offers multi-channel sound with a maximum of 5.1 independent audio channels. The system used on this player is the same as the Dolby Digital surround system used in movie theaters.



The player's digital output jack must be connected to the digital input jack on a Dolby Digital compatible amplifier or decoder in order to enjoy Dolby Digital sound.

## DTS

DTS stands for Digital Theater Systems. DTS is a surround system different from Dolby Digital.



The player's digital output jack must be connected to the digital input jack on a DTS compatible amplifier or decoder in order to enjoy DTS sound.

## Dynamic range

The dynamic range refers to the difference between the maximum level at which signals can be transmitted and converted without distortion and the minimum level limited by the equipment's performance. The dynamic range is expressed in units of decibels (dB).

## MPEG

MPEG is short for Moving Picture Experts Group and is an international standard for compression of moving pictures. Some DVDs use MPEG compression to compress the digital audio signals.

## Multi-angle

When you watch TV programs, you are watching the image filmed through a TV camera, so the picture is displayed on your TV from the viewpoint of the TV camera's position. In a TV studio, the image is filmed by many cameras at the same time and the program director selects one of those images for the program to be broadcast over the air to the TV in your home. If the pictures from all the cameras were broadcast simultaneously and you could choose the viewpoint (camera), you could see what you want. Some DVDs include the images filmed by all the different cameras, and these can be selected using this player.

## Multiple Language

The Multiple Language feature refers to the actual audio language that you hear while enjoying DVD playback. Up to 8 different language tracks can be recorded on a DVD. The Multiple Language function can be used to select the audio language of your choice.

## Multiple subtitle languages

Subtitles are languages titles superimposed on movies, for example. DVDs can include a choice of subtitles in up to 132 languages.

## Optical digital output

Normally audio signals are converted into electrical signals and transmitted from the player to the amplifier and other equipment over electric wires. The optical digital output allows the transmission of audio signals converted into digital signals over optical fiber cables. (The signals are input to the optical digital input on the receiving side.)

## Parental lock level

Some DVDs include parental lock levels. These can be used to restrict viewing by children.

## PCM

PCM stands for Pulse Code Modulation and is a digital audio format. The digital audio of CDs and DVDs is PCM.

## Playback Control (PBC)

PBC refers to signals recorded on video CDs (version 2.0) for controlling playback. The menus recorded on video CDs with PBC can be used for easy interactive search and playback. PBC also allows you to view high-resolution/standard resolution still images.

## Region number

DVD players and DVD discs include region numbers indicating the region in which they can be used. The player's region number or numbers must include the region number indicated on the disc, or the disc cannot be played on the player. This player's region number is "2" (indicated on the rear panel).

## Time numbers

The time number is the elapsed playing time from the beginning of the disc's title. With the time number search function, the time numbers can be used to search for the desired scene.

## Title numbers

The titles of DVDs are the same as the titles of movies. DVDs have a high capacity, so several movies can be recorded on a single DVD. If for example there are three movies recorded on the DVD, they are divided into Title 1, Title 2 and Title 3. The desired movie can be played by selecting its title number.

## TOC

In addition to audio signals, data called the TOC (Table Of Contents) is recorded at the beginning of the disc. As the name indicates, the TOC corresponds to the table of contents of a book. It includes such information as the number of tracks and the playing time.

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