

**aiwa**

# **XD-DW1U**

***PORTABLE DVD PLAYER***

***REPRODUCTOR PORTÁTIL DE DVD***

***LECTEUR DE DVD PORTABLE***

**OPERATING INSTRUCTIONS  
INSTRUCCIONES DE MANEJO  
MODE D'EMPLOI**

**ENGLISH**

**ESPAÑOL**

**FRANÇAIS**



**NOTE****FOR USE IN THE U.S.A.**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

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

**CAUTION**

Modifications or adjustments to this product, which are not expressly approved by the manufacturer, may void the user's right or authority to operate this product.

**WARNING**

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

## **Precautions**

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**To maintain good performance**

- Do not use the unit in places which are extremely hot, cold, dusty or humid. In particular, do not use or keep the unit in the following places.
  - in a high humidity area such as a bathroom
  - near a heater
  - in an area exposed to direct sunlight (Example: inside a parked car, where it can become extremely hot)
  - where it is very dusty or sandy
  - near sources of strong magnetism, such as televisions, speakers, or magnets
  - where there is a lot of movement or vibration, such as on a car dashboard or unstable shelf

**For safety**

- Do not attempt to disassemble the unit. Laser rays from the optical pickup are dangerous to the eyes.
- Take care not to drop the unit or subject it to strong shocks.
- To keep dust from the pickup lens, keep the disc holder closed after use. Never touch the lens.
- If you hear no sound when playing a disc, DO NOT turn the volume up too high since the music could suddenly start. Turn the volume to the lowest level before starting playback and slowly turn it up to the desired level.

**Note on listening with the headphones**

- Listen at a moderate volume to avoid hearing damage.
- Do not wear the headphones while driving or cycling. It may create a traffic hazard.
- You should use extreme caution or temporarily discontinue use in potentially hazardous situations, such as walking, jogging, etc.
- Wear them properly; L is left, R is right.

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## Note on condensation

If the unit is suddenly moved from a cold place to a warm one, it may result in condensation on the pickup lens causing malfunction or playback difficulties.

Should this occur, leave the unit for a few hours, then try playback again.

## To clean the cabinet

Use a soft cloth lightly moistened with a detergent solution.

Do not use strong solvents such as alcohol, benzene or thinner.

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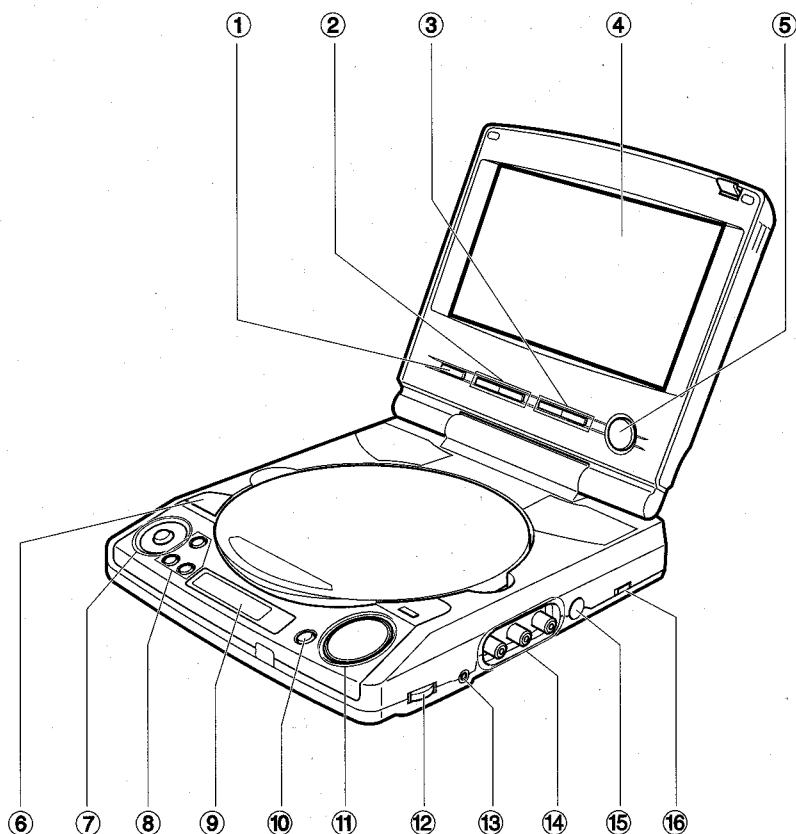
## Owner's record

For your convenience, record the model number and serial number (you will find them on the bottom of your set) in the space provided below. Please refer to them when you contact your Aiwa dealer in case of difficulty.

Model No.	Serial No. (Lot No.)
XD-DW1	

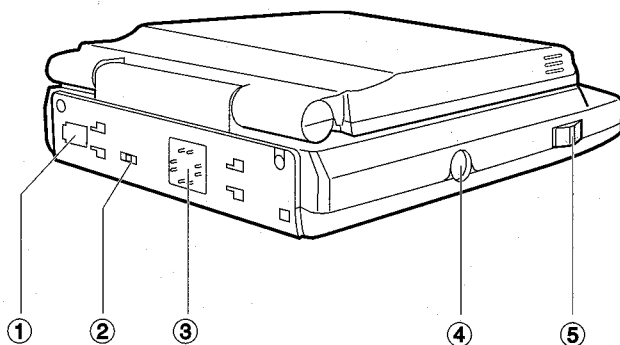
## Parts and controls

### Main unit (front)



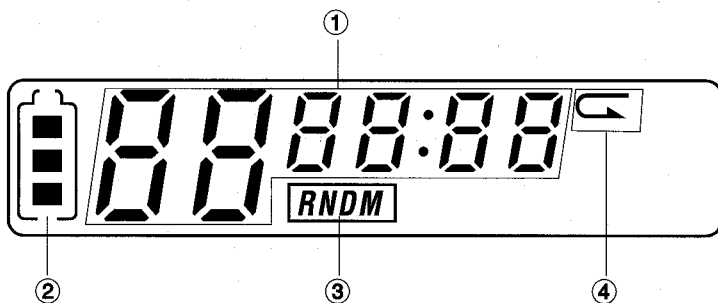
- |                            |                        |
|----------------------------|------------------------|
| ① SET UP button            | ⑨ Display window       |
| ② BRIGHT (←, →) buttons    | ⑩ ■ STOP button        |
| ③ COLOR (←, →) buttons     | ⑪ ▶, ◀, ▶▶, ◀◀ buttons |
| ④ Liquid crystal display   | ⑫ VOLUME control       |
| ⑤ MODE button              | ⑬ PHONES jack          |
| ⑥ ▲ OPEN button            | ⑭ L/R/VIDEO jacks      |
| ⑦ ◀, ▶, ▲, ▼, ENTER button | ⑮ S-VIDEO OUT jack     |
| ⑧ RETURN button            | ⑯ IN/OUT SELECT switch |
| MENU button                |                        |
| TITLE button               |                        |

## Main unit (rear)



- ① OPTICAL AUDIO OUT jack
- ② PAL/NTSC switch
- ③ Battery pack terminal
- ④ DC IN jack
- ⑤ POWER (ON/OFF-HOLD) switch

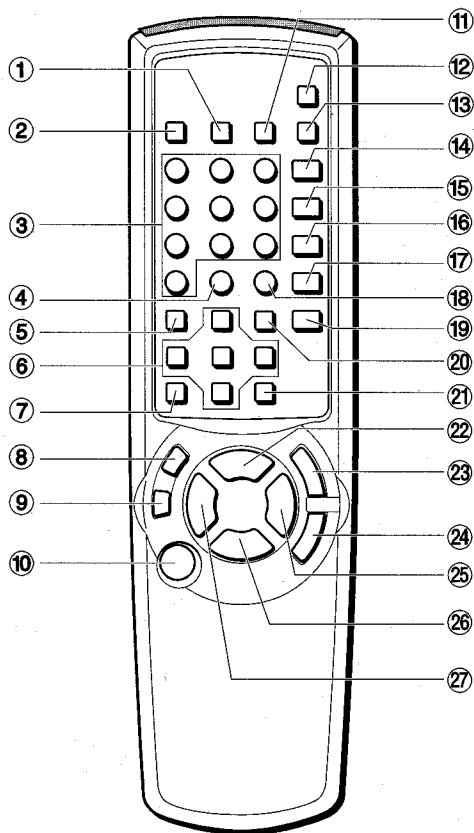
## Display window



- ① Track/Time indication
- ② Battery indicator
- ③ RNDM(Random) indicator
- ④ Repeat indicator

CONTINUE

## Remote control

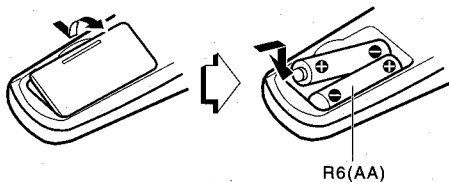


- |                                   |                           |
|-----------------------------------|---------------------------|
| ① PROGRAM button                  | ⑮ AUDIO SELECT button     |
| ② MARK button                     | ⑯ SUB TITLE SELECT button |
| ③ 0-9 buttons                     | ⑰ SUB TITLE ON/OFF button |
| ④ +10 button                      | ⑱ C(Clear) button         |
| ⑤ TITLE button                    | ⑲ T-SEARCH button         |
| ⑥ ◀, ▶, ▲, ▼, ENTER buttons       | ⑳ MENU button             |
| ⑦ ↻ RETURN button                 | ㉑ SETUP button            |
| ⑧    button                       | ㉒ ▶ (Play) button         |
| ⑨ ON SCREEN DISPLAY ON/OFF button | ㉓ ▶▶ button               |
| ⑩ POWER button                    | ㉔ ◀◀ button               |
| ⑪ REPEAT button                   | ㉕ ▶▶ button               |
| ⑫ Q SURROUND button               | ㉖ ■ button                |
| ⑬ A-B button                      | ㉗ ◀◀ button               |
| ⑭ 🎚 ANGLE button                  |                           |

## Remote control

### Installing batteries

Detach the battery cover on the rear of the remote control, and insert two R6 (size AA) batteries with  $+$  and  $-$  aligned correctly.



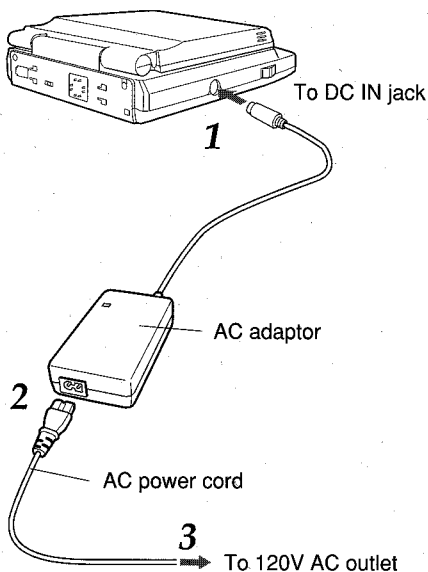
### When to replace the batteries

The maximum operational distance between the remote control and the sensor of the units should be approximately 5 meters (16 feet). If this distance decreases, replace the batteries with new ones.

### NOTES

- When operating with the remote control, point the top of the remote control toward the player.
- If the unit is not going to be used for an extended period of time, remove the batteries to prevent possible electrolyte leakage.
- The remote control may not operate correctly when:
  - The line of sight between the remote control and the unit is exposed to intense light, such as direct sunlight
  - There is fluorescent lighting near the remote sensor in the display panel window.
  - Other remote controls are used nearby (those of a TV set, etc.).

## Using the AC adaptor



### 1 Connect the AC adaptor to the main unit.

Insert the AC adaptor plug to DC IN jack of main unit. At this time  $\blacktriangleright$  of the AC adaptor plug faces  $\blacktriangledown$  of the DC IN jack.

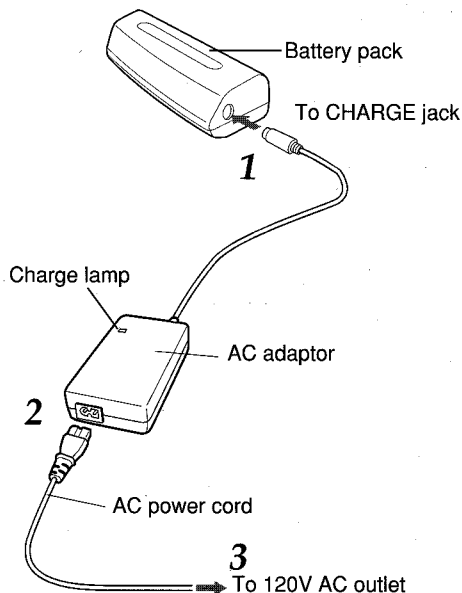
### 2 Insert one end of the supplied AC power cord to the AC adaptor socket.

### 3 Insert the AC plug to the AC outlet (120V, 60Hz).

# Using the battery pack

## Charging the battery pack

Charge the battery pack fully at the first time of use.



### 1 Connect the AC adaptor to the battery pack.

Insert the AC adaptor plug to CHARGE jack of the battery pack. At this time ► of the AC adaptor plug faces ▲ of the CHARGE jack.

### 2 Insert one end of supplied power cord to the AC adaptor socket.

### 3 Insert the AC plug to the AC outlet (120V, 60Hz).

## When recharge is finished

The charge lamp turns off. After making sure of the lamp's turn-off, disconnect the AC adaptor and the supplied power cord.

## Time to recharge the battery

The battery indicator changes from to to based on the remaining power in the battery.

Recharge the battery when lights.

After has been lighting for a while, the power is shut off.

## Recharge time

It is approximately 2.5 hours (under the conditions of 20°C) and continuous playback time is approximately 2 hours (with BRIGHT set at the center), though they vary according to the usage patterns.

## Notes on using the battery pack

- This battery pack is available to recharge approximately 300 times.
- When the unit is powered by the battery pack, the power source automatically turns off in 5 minutes after operation stops. (AUTO POWER OFF)
- Battery pack will be warmed while using. When the battery pack is warmed too much, safety circuit works to prevent you from using continuously.
- Do not carry the battery pack in a pocket or handbag together with metal objects such as pendants or key holders.
- Do not short-circuit the terminals.
- Do not disassemble the battery pack, heat it or put it in water.
- To prolong the performance of the battery pack, recharge it in an ambient temperature of 10 to 30°C and keep it in a cool location when not using.  
In the temperature out of the range above, recharging may not be carried out even if the Charge lamp is lighting.
- To maintain the performance of the battery pack, recharge it at least once a year even when it is not used for along period of time.

## Notes on recharging

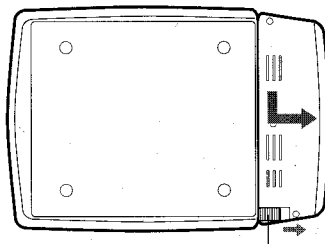
- Use only the supplied AC adaptor to recharge the battery pack.
- When the battery pack is connected to the unit, charge it after the main unit is turned off. If not, the main unit cannot be supplied with the power.
- When the battery pack is warmed, it may take more time to charge than usual or charging may not be done. Cool it down and charge it again.



- Should the charger lamp not light up, connect the battery pack to AC adaptor again, or connect it to AC adapter again after connecting to the unit and having it worked for 10 to 20 minutes.
- When you connect or disconnect the battery pack during charge, the lamp may turn off for a moment, but it is not a malfunction.
- The battery pack will be warmed after charging, but it is not a malfunction.
- Noises may occasionally occur inside the AC adaptor during charge, it is not a malfunction.
- Be sure to unplug from the wall outlet after charging. Otherwise, it will waste maximum 1W when it is connected continuously.

## Disconnecting the battery pack

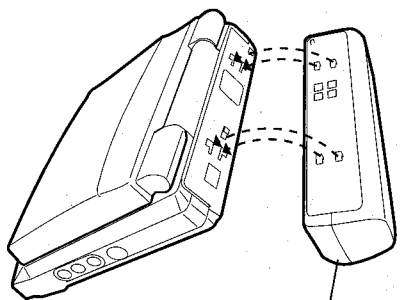
Slide the battery pack in the direction of arrow while the disconnection button sliding in the direction of arrow.



Disconnection button

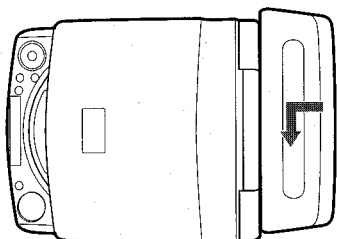
## Connecting the battery pack to the unit

- 1 Fix the wholes at the bottom of the battery pack and the ones at the bottom of the unit in a way to suit delta symbols designed at both of them.



Battery pack

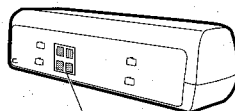
- 2 Slide the battery pack in the direction of the arrow.



When the player is not used for an extended period of time, disconnect the battery back from the unit. When it is connected, a small amount of current continues to flow to the player, even when the power is turned off. When leaving it for a long time in above condition, the unit may not be able to use by over discharging.

### Caution

When you carry or keep the battery pack, take care not to touch the electrode with metals.



electrode

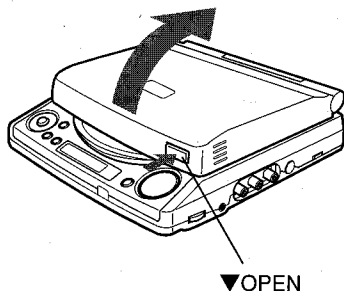
When disposing of the battery pack please check and follow local regulations regarding disposal and recycling for Nickel-Metal Hydride batteries.

## Playing back

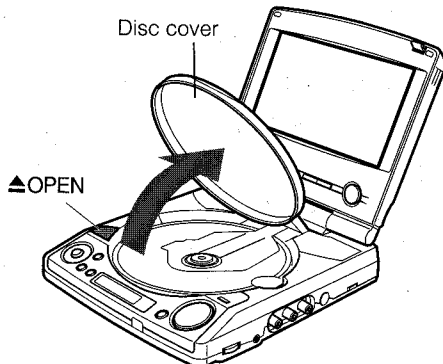
- 1 Slide POWER on the main unit toward ON to turn the power on.**

The power cannot be turned on by POWER of the remote control.

- 2 Press ▼OPEN to open the display panel.**



- 3 Press ▲OPEN to open the disc cover.**



- 4 Load a disc with the label side up and push around the center of it.**

The disc is fixed with a click.



- 5 Close the disc cover.**

This unit automatically begins to play the disc.



If the disc does not begin to play, press ►(Play).

### When the remote control is used

The instructions in this manual refer mainly to the buttons on the main unit. Buttons on the remote control with the same names as those on the main unit can be used as well.

### NOTES

- Do not load two discs or more.
- After loading or removing a disc, make sure to close the disc cover. If the inside the unit becomes dusty, it will cause a malfunction.

## When the menu screen is displayed

The menu screen may be displayed first after loading a DVD or video CD which contains a menu.

**DVD:** Use **▲▼◀▶** to select the program you would like to view, then press **ENTER** to begin playback. Press **TITLE** or **MENU** to return to the menu screen.

**Video CD:** Use the numbered buttons to select the program you would like to view, then press **ENTER** to begin playback. Press **◀▶RETURN** to return to the menu screen.

For either DVD or Video CDs, menu continuations and the exact operating procedures for using the menu may vary from disc to disc. Follow the instructions on the menu screen.

## To turn the power off

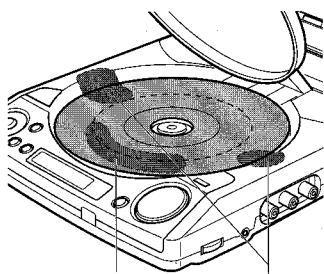
Press **POWER**. The unit enters the power standby mode.

## To avoid the accidental operation

Slide the **POWER** switch to **HOLD**.

## Removing the disc

- 1 Press **■STOP** to stop play.
  - 2 Press **▲OPEN** to open the disc cover.
  - 3 Remove the disc from the groove.
- Do not touch the surface of the disc.




- 4 Close the disc cover.

## After playing back a disc

Slide **POWER** toward **OFF** to turn the power off.

If 5 minutes have elapsed without performing any operation, the unit automatically enters the standby mode (Auto power off).

## About the symbol display

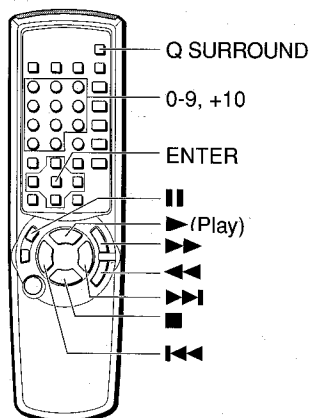
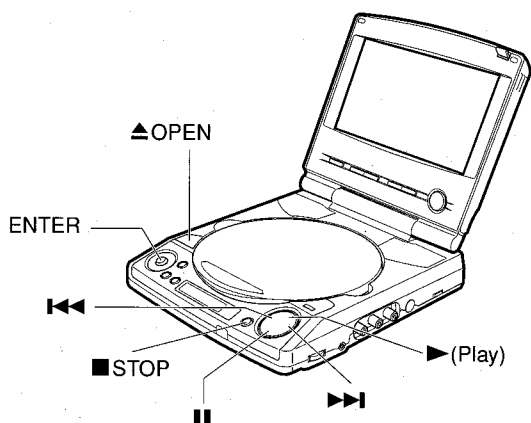
The  symbol will be displayed on the screen when your operation is inhibited by the unit or the disc.

### Tips

- During playback, some of the functions may not work in some discs. Operate it referring to the instructions for discs.
- To return to the menu display, press **TITLE**, **MENU** or **RETURN** during DVD playback, and press **RETURN** during video CD playback.

## NOTES

- During playback, some of the basic functions may not work in some DVD disc. This is not a malfunction. Operate it referring to the instructions for discs.
- When the display panel is closed, the liquid crystal display is turned off and the sound from the stereo speakers is muted so as to save the AC power or the battery pack.
- When you do not use the liquid crystal display, close the display panel to save the AC power or the battery pack. Make sure that the display panel is locked with a click.
- During playback of an audio CD, set the display mode of the liquid crystal display to **OFF** to save the AC power or the battery pack. (See page 28.)



### Stopping playback (DVD, video CD, audio CD)

#### Press ■STOP.

This unit remembers the point at which playback stopped. (Resume function) When ▶(Play) is pressed, playback begins from the resumed point.

#### To clear the resumed point

Press ■STOP again or press ▲OPEN to open the disc cover.

It is also cleared when the initial setup menu is displayed.

- The resumed point is retained when the power is turned off or on.
- During a Video CD playback with the PBC feature turned on, the DVD player does not remember the point at which playback stopped.
- The disc continues to spin while the menu screen is displayed even if ■STOP is pressed. When you are finished using the DVD player, turn the power off after pressing ■STOP.
- During a Video CD playback with the PBC feature turned on, resume function does not work.

### Still (Pause) (DVD, video CD, audio CD)

#### Press || during playback.

#### To return to normal playback

Press ▶(Play).

#### NOTE

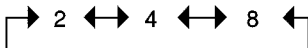
If 5 minutes have elapsed without performing any operation, the unit automatically enters the standby mode (Auto power off).

## Fast Forward, Reverse (DVD, video CD, audio CD)

### Press ◀◀ or ▶▶ during playback.

The program is played forward or in reverse at high speed.

- When ◀◀ or ▶▶ is pressed repeatedly during DVD playback, the playback speed changes each time the button is pressed, as shown below.



In the forwarding or rewinding, "▶▶x4" or "◀◀x2" is displayed.

### To return to normal playback

Press ▶(Play).

#### NOTES

- There is no audio during DVD or Video CD playback.
- The search speed is the value got in a disc which has an average bit rate. In some disc, the speed displayed on the screen may be different from the actual speed.

## Skipping (DVD, video CD, audio CD)

### Press ◀◀ or ▶▶ during playback.

- Skip to the next chapter or track: ▶▶  
The disc position advances one chapter or track each time the button is pressed.
- Return to the previous chapter or track: ◀◀  
In each disc, pressing ◀◀ once makes to skip to the beginning of the chapter (track) currently being played, and pressing ◀◀ twice makes to skip to the previous chapter.

## To skip to the desired chapter or track directly using the remote control (video CD, audio CD)

When stopped or during playback, enter the desired track number using the numbered buttons on the remote control.

*Example:* To play track 12

Press +10, 2 (or 1, 2) on the remote control, then press ▶(Play) or ENTER.

*Example:* To play track 20

Press +10, +10 (or 2, 0) on the remote control, then press ▶(Play) or ENTER.

Playback begins at the beginning of the selected track.

## Creating a simulated surround effect (Q SURROUND)

Even when only two speakers are used at the left and right, Q SURROUND makes the sounds rich and wide as if you are surrounded by two front speakers and two rear speakers.

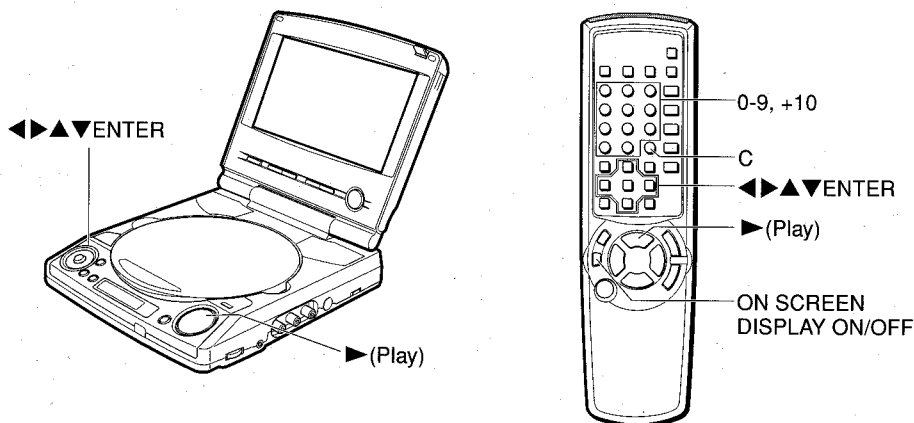
### Press Q SURROUND on the remote control.

### To return to normal playback.

Press Q SURROUND again.

# Information about On Screen Display (OSD)

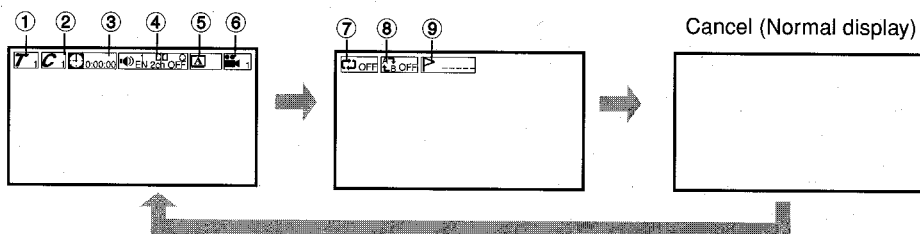
This unit features OSD Menu Icons showing disc information (title/chapter/track number, elapsed playing time, audio/subtitle language, angle, and sound) and player information (repeat play, play mode, marker, etc.). Some icons only show the indicated information. Other icons allow the settings to be changed.



**During playback, press ► (Play) on the main unit or ON SCREEN DISPLAY ON/OFF on the remote control repeatedly.**

When the button is pressed repeatedly during playback, the information displays are shown as follows.

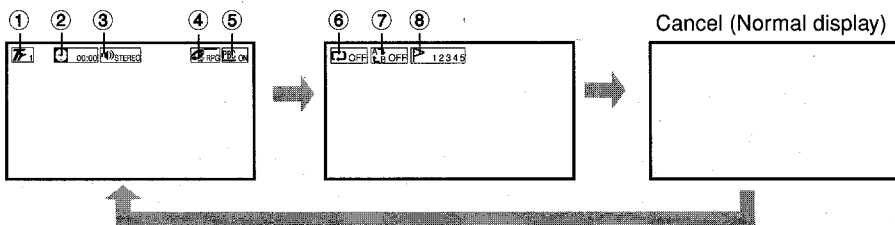
**During a DVD playback:**



- ① shows the title number.  
(See page 15.)
- ② shows the chapter number.  
(See page 16.)
- ③ shows the elapsed playing time during playback, or the time to be searched. (See page 17.)
- ④ shows the audio information.  
(See page 26.)
- ⑤ shows the subtitle information.  
(See page 25.)

- ⑥ shows the angle information.  
(See page 24.)
- ⑦ shows the repeat mode.  
(See page 22.)
- ⑧ shows the A-B repeat mode.  
(See page 23.)
- ⑨ shows the memorized mark points information. (See page 18.)

## During a Video CD or an audio CD playback:



- |   |   |
|---|---|
| <p>①  shows the track number. (See page 15.)</p> <p>②  shows the elapsed playing time during playback, or the time to be searched. (See page 17.)</p> <p>③  shows the audio information (Video CD only). (See page 27.)</p> <p>④  shows the playback mode. (See page 20.)</p> | <p>⑤  shows the PBC is on or off. (See page 19.)<br/>This icon and the information are not displayed during an audio CD playback.</p> <p>⑥  shows the repeat mode. (See page 23.)</p> <p>⑦  shows the A-B repeat mode. (See page 23.)</p> <p>⑧  shows the memorized mark points information. (See page 18.)</p> |
|---|---|

## Title search (DVD)/

## Track search (Video CD with PBC off, audio CD)

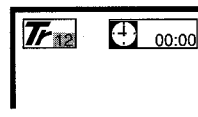
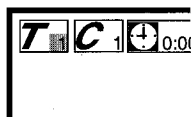
- 1 During playback, press ► (Play) on the main unit or ON SCREEN DISPLAY ON/OFF on the remote control repeatedly.**

The menu icons are displayed.

- 2 Press ◀ or ▶ to select the icon of “Title search (DVD)” or “Track search (Video CD with PBC off, audio CD)”.**

Title search

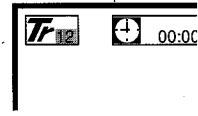
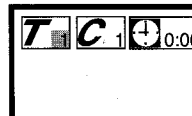
Track search



- 3 Press ▲ or ▼ to enter the desired title/track number.**

Title search

Track search



### If you enter the wrong number

Press C to remove the number you entered. Then enter the correct number.

- The numbered buttons on the remote control are also available.

*Example:*

To play title number 2, press 2.

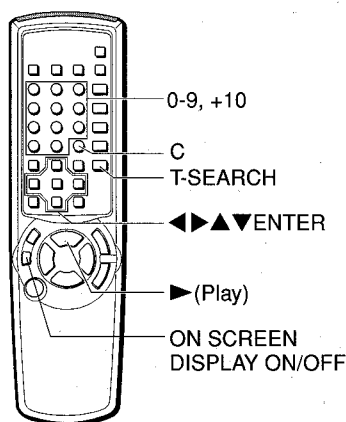
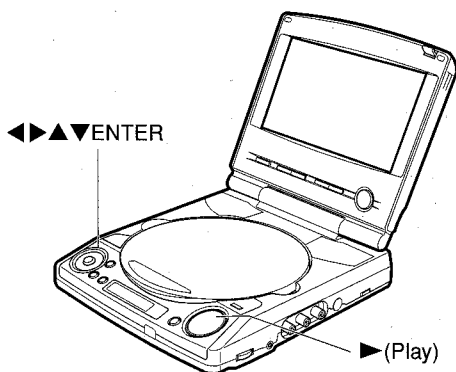
To play title number 10, press 1, 0 (or +10).

- 4 Press ENTER or ► (Play).**

Playback begins with the specified title/track.

### NOTE

If you specify a number which does not exist on the disc, symbol is displayed.

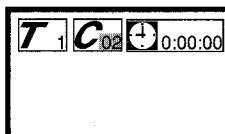


## Chapter search (DVD)

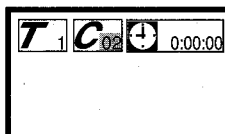
- 1 During playback, press ►(Play) on the main unit or ON SCREEN DISPLAY ON/OFF on the remote control repeatedly.

The menu icons are displayed.

- 2 Press ◀ or ▶ to select the icon of "Chapter search".



- 3 Press ▲ or ▼ to enter the desired chapter number.



### If you enter the wrong number

Press C to remove the number you entered. Then enter the correct number.

- The numbered buttons on the remote control are also available.

*Example:*

To play chapter number 2, press 2.

To play chapter number 10, press 1, 0 (or +10).

- 4 Press ENTER or ►(Play).

Playback begins with the specified chapter.

### NOTE

Chapter search will not work if you specify a chapter number which does not exist on the disc.



# Time search (DVD)

With a DVD which allows displaying of elapsed time, you can specify a time on the disc to search for a desired location.

## 1 Either while playing or when stopped, press ►(Play) on the main unit repeatedly.

The menu icons are displayed.

### To operate with the remote control

Press T-SEARCH either while playing or when stopped. Then go to step 3.

## 2 Press ◀ or ▶ to select the icon of "Time search".



## 3 Use the numbered buttons to enter the time of the desired location.

*Example:*

- To start play at 1 hour, 17 minutes, 30 seconds (1:17:30);  
Press 1 (hour), 1, 7 (minutes), then 3, 0 (seconds).



- To start play at 8 minutes 7 seconds (0:08:07);  
Press 8 (minutes), then 0, 7 (seconds).

### If you enter the wrong number

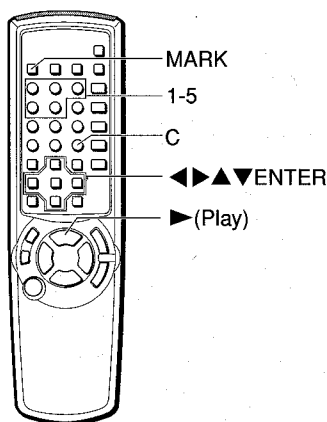
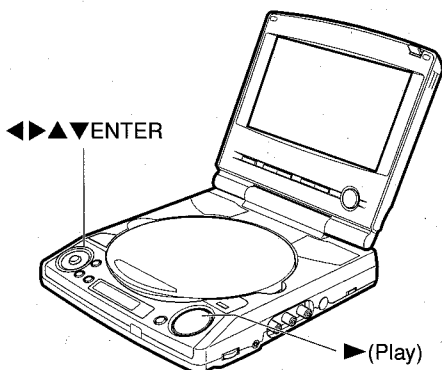
Press C to remove the number you entered.  
Then enter the correct number.

## 4 Press ENTER or ►(Play).

Playback begins from the specified time.

### NOTES

- Time search does not work if you specify a time greater than the length of the disc.
- Time search may not work with some discs even if they are capable of elapsed time.

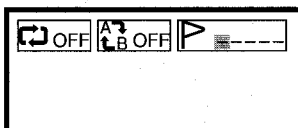


## Mark function

Playback can restart from a memorized point. You can memorize the points on up to 5 DVD discs and on up to total of 10 audio CDs and video CDs. Up to 5 points can be memorized to each disc.

### To memorize the points

- 1 Press ►(Play) on the main unit repeatedly during playback.  
The menu icons are displayed.
- 2 Press ◀ or ▶ to select the icon of "Mark function".



- 3 Press ENTER at the desired point.  
A point is memorized.

### To memorize other points

Press ◀ or ▶ to move the cursor (the yellow-colored area). Then press ENTER.

### To memorize the points with the remote control

- 1 Press MARK during playback.  
The icon of "Mark function" is displayed.
- 2 Within 10 seconds, press ENTER at the desired point.  
A point is memorized.
- 3 Press ◀ or ▶ to move the cursor (the yellow-colored area), then press ENTER to memorize other points.

### NOTE

When the 6th DVD disc or the 11th audio CD or video CD is inserted, the data of oldest disc is deleted and the new disc data is added even when new point is not memorized.

## To restart play from the memorized point

- 1 While the icon of "Mark function" is displayed, press ◀ or ▶ to select a point.
- 2 Press ▶(Play) to start play.

## To restart play from the memorized point with the remote control

- 1 Press MARK either while playing or stopped.
- 2 Use the number buttons (1-5) to enter the number of the position you want to play.
- 3 Press ▶(Play) to start play.

## To clear a memorized point

- 1 While the icon of "Mark function" is displayed, press ◀ or ▶ to select a point to be cleared.
  - 2 Press C on the remote control. The selected point is cleared.
- When the disc cover is opened, all the memorized points are also cleared.

## Checking ON or OFF of PBC (video CD)

When using menu playback with a video CD, the player returns to the menu display when the selected scene finishes (PBC ON).

You can also set the player to play the entire CD without returning to the menu screen, just like with normal audio CDs and video CDs with no menu capabilities (PBC OFF).

On OSD, PBC ON or OFF can be checked but cannot be set. Change it in the SETUP menu.

- 1 Press ▶(Play) on the main unit repeatedly either while playing or stopped.

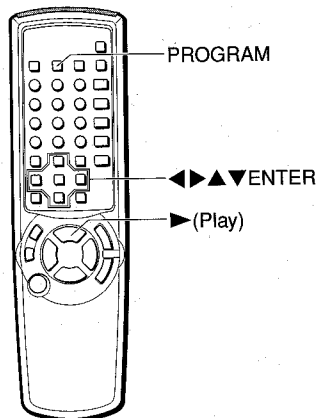
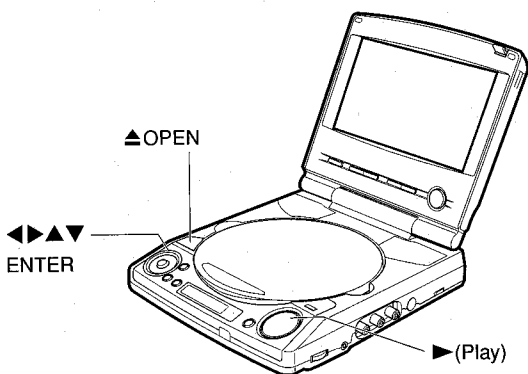
The menu icons are displayed.

- 2 Press ◀ or ▶ to select the icon of "PBC".

The current setting mode is displayed.



- 3 Press ENTER or ▶(Play) .



## Programmed playback (Video CD with PBC off, audio CD)

With video and audio CDs, you can select the tracks you would like to play, and play them in any order. You can specify up to 30 tracks. You can also repeat programmed selections.

### **1 While stopped, press ►(Play) on the main unit repeatedly.**

The menu icons are displayed.

#### **To program with the remote control**

Press PROGRAM while stopped. Within 10 seconds press ENTER. Then go to step 4. A programming screen is displayed on the display.

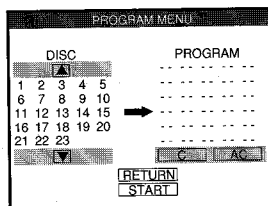
### **2 Press ◀ or ▶ to select the icon of "PRG".**



### **3 Press ENTER.**

A programming screen is displayed on the display.

### **4 Press ◀ or ▶ to select the number of the track you want to program. Then press ENTER.**



#### **If you enter the wrong number**

Select the track number to be cleared with ◀ or ▶, and press C to remove the number.

### **5 Repeat step 4 to program other tracks.**

### **6 Press ▲▼◀▶ to select "START", then press ENTER.**

Playback begins from the specified time.

### To delete a programmed track

At the programming screen, select "C" with ◀ or ▶. The last programmed number is canceled.

### To clear the programmed contents

At the programming screen, select "AC" with ◀ or ▶. Then press ENTER. All the programmed contents are cleared.

When the disc cover is opened with ▲OPEN, or the power is turned off, all the programmed contents are also cleared.

### Adding a programmed track in stop mode

Show the programming screen and select tracks. Then press ENTER. The selected track is programmed to the last position.

When using the remote control, press numbered button(s) to select a track to be added.

### To cancel programmed playback

1 Press ◀ or ▶ to select the icon of "PRG".

2 Press ▲ or ▼ to select "OFF".

When using the remote control, press PROGRAM twice.

## Random playback

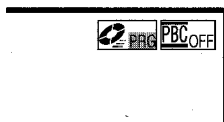
### (Video CD with PBC off, audio CD)

You can playback tracks in random order.  
(Random playback)

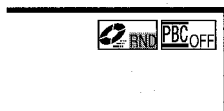
1 While stopped, press ▶(Play) on the main unit repeatedly.

The menu icons are displayed.

2 Press ◀ or ▶ to select the icon of "PRG".



3 Press ▲ or ▼ to select "RND".



4 Press ENTER or ▶(Play) .

Random playback begins.

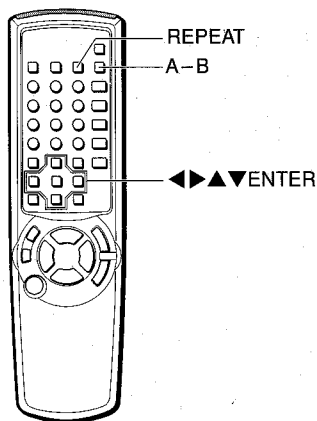
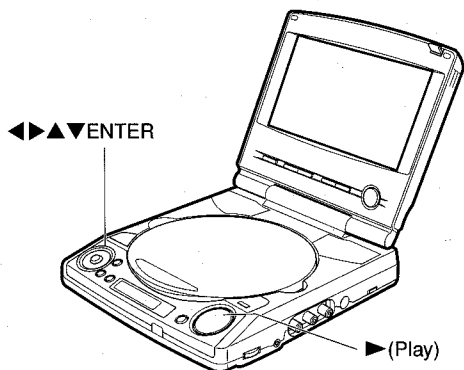
Random indicator appears in the display window.

### To cancel random playback

1 Press ◀ or ▶ to select the icon of "RND".

2 Press ▲ or ▼ to select "OFF".

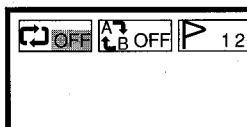
# Repeat playback



## Repeating a DVD

- 1 Press **▶ (Play)** on the main unit repeatedly during a DVD playback.  
The menu icons are displayed.

- 2 Press **◀** or **▶** to select the icon of "Repeat playback".



- 3 Press **▲** or **▼** to select the repeat mode.

The repeat mode will change each time you press the button.

**C(Chapter):** Repeat of the chapter being played.



**T(Title):** Repeat of the title being played.



**D(Disc):** Repeat the whole disc being played.



**OFF:** Cancel repeat mode. (Normal playback)

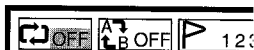


## Repeating a Video CD/an audio CD

- 1 Press **▶ (Play)** on the main unit repeatedly during a video CD or an audio CD playback.

The menu icons are displayed.

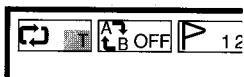
- 2 Press **◀** or **▶** to select the icon of "Repeat playback".



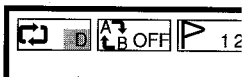
- 3 Press **▲** or **▼** to select the repeat mode.

The repeat mode will change each time you press the button.

**T(Track):** Repeat of the track being played.



**D(Dics):** Repeat of all tracks on a disc being played.



**OFF:** Cancel repeat mode. (Normal playback)



### When using the remote control

Press REPEAT repeatedly. The repeat mode will change each time you press the button.

#### NOTE

The track or the specified points may change if the DVD player is jarred while playing with Repeat or Repeat A-B.

## A-B repeat

Allows you to select a portion of a track to be repeated. The portion to be repeated may not span a track boundary, but must be within a single track.

- 1 Press **▶ (Play)** on the main unit repeatedly during a video CD or an audio CD playback.

The menu icons are displayed.

- 2 Press **◀** or **▶** to select the icon of "A-B repeat".



- 3 Press **ENTER** at the starting point of the section you want to repeat.



- 4 Press **ENTER** again at the ending point of the section you want to repeat.

The player returns to point A and plays the section between A and B.



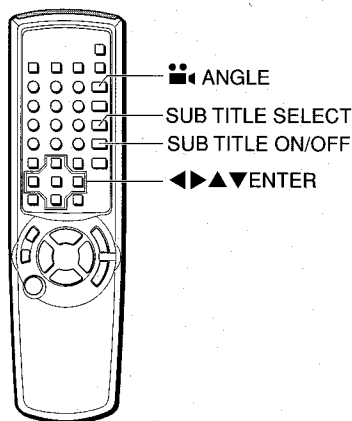
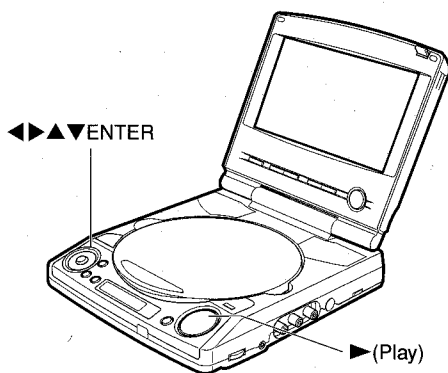
### To cancel the repeat

Press **▲** or **▼** during playback so that "OFF" is displayed.

### When using the remote control

Press A-B at the starting point of the section you want to repeat and at the ending point.

The DVD player is a piece of precision equipment. Take care not to bump or jar the player during repeat playback, or at any other time.



## Changing the angle (DVD)

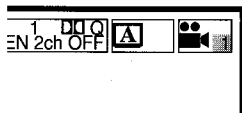
When playing a DVD which has been recorded in multi-angle (photographed from several different angles), you can select which angle you would like to view the action from.

When a multi-angle scene comes on during playback, "ANGLE" will be displayed on the display panel to let you know that you can change the angle.

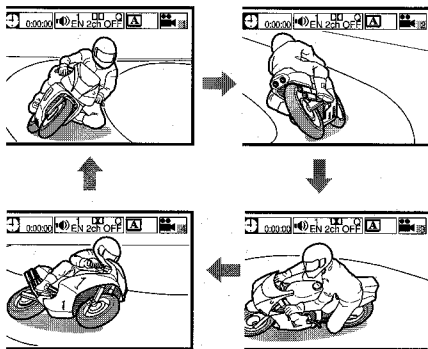
- 1 Press **▶(Play)** on the main unit repeatedly during a DVD playback.

The menu icons are displayed.

- 2 Press **◀** or **▶** to select the icon of "Angle".



- 3 Press **▲** or **▼** to select the angle.



### When using the remote control

Press **ANGLE** to change viewing angle when "ANGLE" is showing on the display panel. The angle will change each time you press the button.

### NOTE

⊘ symbol will be displayed if you select the Angle while viewing a disc which does not have multiple viewing angles, or if viewing a part of the disc which does not allow angle selection.



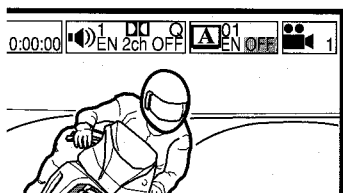
# Displaying and changing subtitles

When playing discs which contain subtitles, you can display the subtitles on the screen or change the language of the subtitles.

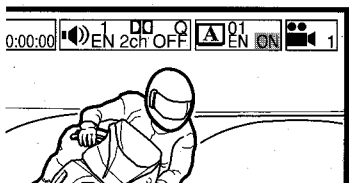
## Displaying subtitles

- 1 Press **▶** (Play) on the main unit repeatedly during a DVD playback. The menu icons are displayed.

- 2 Press **◀** or **▶** to select the icon of "Subtitle".



- 3 Press **▲** or **▼** to select "ON". Then press **ENTER**.




## To turn off the subtitles

Press **▲** or **▼** to select "OFF". Then press **ENTER**.

## When using the remote control

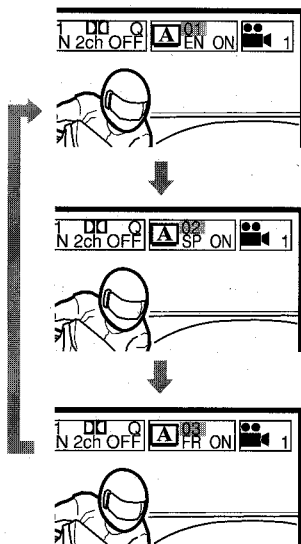
Press **SUB TITLE ON / OFF** during playback. Subtitles will be displayed.

### NOTES

- Some discs have subtitles which are on by default. With such discs, **SUB TITLE ON / OFF** may not allow you to remove the subtitles.
- The  symbol will be displayed if you try to show subtitles with a disc which does not contain them.

## Changing the subtitles

Press **▲** or **▼** to select the desired subtitles.



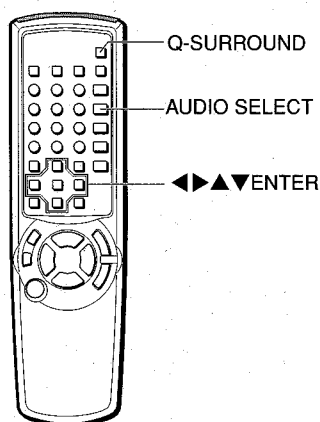
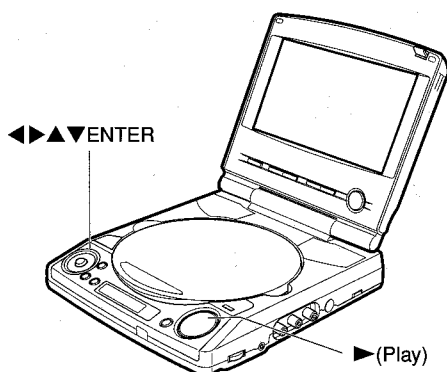
## When using the remote control

Press **SUB TITLE SELECT** to select the desired subtitles.

### NOTES

- The first subtitles displayed will be in the subtitle language selected with the subtitle setting. If there are no subtitles in that language on the disc, the disc will determine which subtitles are shown.
- Subtitles may only be changed with discs which contain more than one set of subtitles.
- The number of subtitle languages varies from disc to disc.
- With some discs, it may take a few moments after you press **SUB TITLE SELECT** for the new subtitles to be displayed.

# Changing the audio track



## Selecting audio tracks (DVD)

Some DVDs have more than one audio track, such as soundtracks with different languages. While playing such a disc, you can change the audio track to hear the different soundtracks.

- 1 Press **▶ (Play)** on the main unit repeatedly during a DVD playback.

The menu icons are displayed.

- 2 Press **◀** or **▶** to select the icon of "Audio track".



- 3 Press **▲** or **▼** to select the audio track.

The audio track will change each time you press **▲** or **▼**.



## When using the remote control

Press **AUDIO SELECT** during playback. The audio track will change each time you press the button.

## NOTES

- When playing a DVD with soundtracks in multiple languages, the audio will automatically be played in the language which was selected when the DVD player was set up. If there is not a soundtrack in that language on the disc, the disc will determine which audio track is played.
- The audio track may only be changed for discs which contain multiple audio tracks.
- The number of audio tracks available differs from disc to disc.

## Information on the sound mode

When a disc is in this DVD player, the sound mode information following below is shown with the "Audio track" icon.

- shows the mode of each linear PCM.
- shows the channel of Dolby system (2ch - 5.1ch).
- shows the "dts" during playback of a DVD with dts.

## Selecting karaoke audio (video CD, DVD)

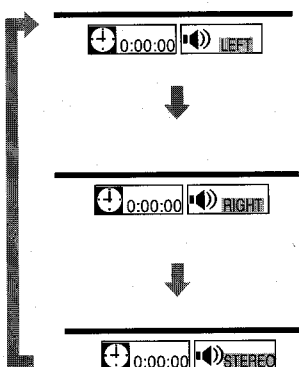
The method of recording the vocal audio may differ from disc to disc. This DVD player allows you to select the right method for the disc, so that you can use any karaoke disc.

### Video CD karaoke:

- 1 Press **▶** (Play) on the main unit repeatedly during a Video CD playback.  
The menu icons are displayed.
- 2 Press **◀** or **▶** to select the icon of "Audio track".



- 3 Press **▲** or **▼** to select the audio track.  
The audio track will change each time you press **▲** or **▼**.



Video CD karaoke discs typically have the vocals recorded on the right channel. Select the "Lch" (left channel) to play back music without vocals.

Refer to the instructions with the karaoke disc for more information.

### To select the karaoke audio channel

When the audio signals of video CD karaoke discs are output through the DIGITAL OUT jack, you cannot select the karaoke audio channel. Use the analog output jacks instead.

### DVD karaoke:

- 1 Press **▶** (Play) on the main unit repeatedly during a DVD playback.  
The menu icons are displayed.
- 2 Press **◀** or **▶** to select the icon of "Audio track".

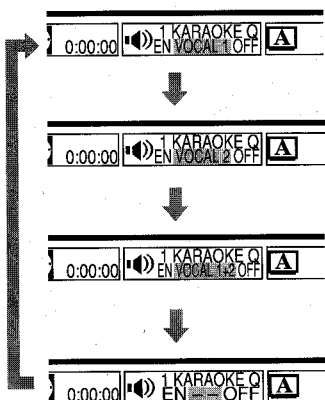


- 3 Press **▲** or **▼** to select the audio track. Then press **ENTER**.

The audio track will change each time you press **▲** or **▼**.

*Example:*

A disc has 2 audio tracks (track 1 and track 2), and track 1 has 2 vocal channels.



### NOTE

Refer to the instructions with the karaoke disc for more information.

The type of audio playback is different between each DVD disc. Operate it referring to the instruction for discs.

Also refer to the instructions with the karaoke disc for more information.

CONTINUE

## Changing the audio track (continued)

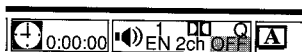
### Selecting Q surround

Even when only two speakers are used at the left and right, Q SURROUND makes the sounds rich and wide as if you are surrounded by two front speakers and two rear speakers.

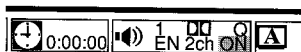
- 1 Press **▶ (Play)** on the main unit repeatedly during a DVD playback.

The menu icons are displayed.

- 2 Press **◀** or **▶** to select the icon of "Audio track".



- 3 Press **▲** or **▼** to select "ON" or "OFF".

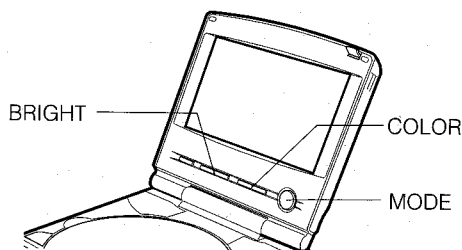


### When using the remote control

When pressing Q SURROUND during playback, the Q surround mode can be selected directly. (See page 13 in detail.)

## Adjusting the picture

You can adjust the picture condition in the screen.



### To adjust the brightness

Press BRIGHT – or + button.

To make the picture darker, press BRIGHT –.

To make the picture brighter, press BRIGHT +.

### To adjust the color

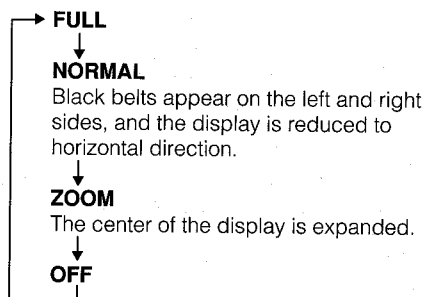
Press COLOR – or + button.

To lower the intensity and brilliance of the color, press COLOR –.

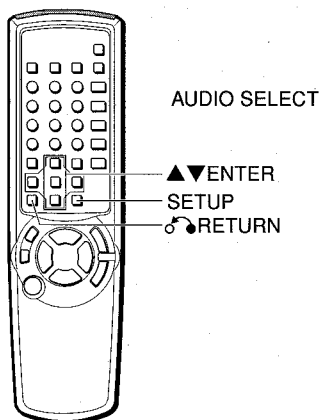
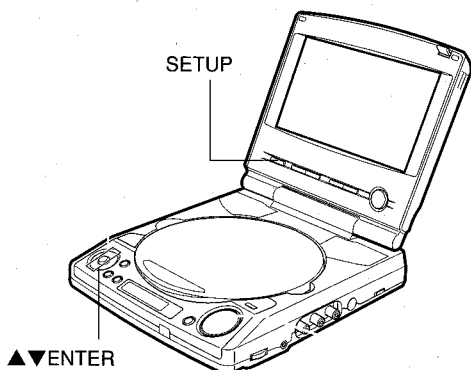
To enhance the intensity and brilliance of the color, press COLOR +.

### Display mode on the liquid crystal display

Each time you press MODE, the display changes as follows.



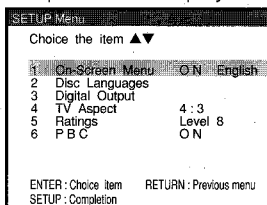
## Changing setup values



Your DVD player comes from the factory with all the basic items set properly.  
Change any other settings according to your individual setup and preferences.

### 1 Press **SETUP** while the player is stopped.

The setup screen is displayed.



### 2 Use **▲** or **▼** to move the cursor (the yellow area) to the setting to be changed.

#### On-screen Menu

- Sets whether the on-screen guide messages are to be displayed or not.
- Sets the on-screen menu language, English or Japanese.

#### Disc Languages

Sets the audio soundtrack language, subtitle language and the language used in the menu screen.

\* If the language selected by these settings does not exist on the disc, the disc's default language is used.

#### Digital Output

Sets the optical digital out either to output by bitstream or by linear PCM.

#### TV Aspect

Sets the aspect ratio of the television set to which the DVD player is connected.

#### Ratings

When playing discs with preset restriction level encoding, this setting allows the player to automatically cut scenes of excessive violence, etc.

#### PBC

Sets the default PBC (Play back control) mode on or off for playing a video CD with PBC function.

#### Press **ENTER**.

### 3 The menu screen for the item you selected will be displayed. Follow the directions on the next page to set individual items.

CONTINUE

## Changing setup values (continued)

### Basic operations

1 Use **▲** or **▼** to move the cursor (the yellow area) to the desired setting.

2 Press **ENTER**.

The selected setting will be saved, and the main setup screen of step 1 will be displayed again. However, for some settings the screen will display a more detailed menu instead. Follow the directions shown on the screen.

3 Press **SETUP** to exit the setup menu.

### To exit the setup menu without making any changes:

Press one of the following buttons instead of pressing **ENTER**.

**↶** RETURN: Return to the previous screen with no changes.

**SETUP**: Exit the setup menus.

### On-screen Menu

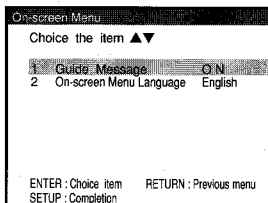
There are 2 items you can set.

#### Guide Message:

Sets whether the on-screen guide messages at the upper right side of the TV screen are to be displayed or not.

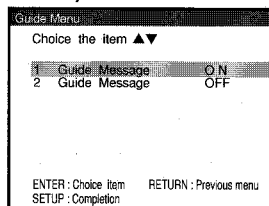
1 At the initial setting screen, select “On screen Menu” by using **▲** or **▼**. Then press **ENTER**.

2 Use **▲** or **▼** to move the cursor (the yellow area) to “Guide Message”.



3 Press **ENTER**.

4 Use **▲** or **▼** to move the cursor (the yellow area) to the desired setting.



5 Press **ENTER**.

Your entry is saved.

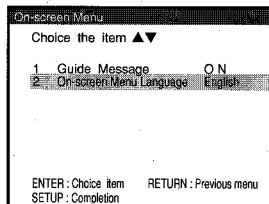
6 Press **↶** RETURN to return to the previous screen or press **SETUP** to exit the setup menu.

#### On-screen Menu Language:

Sets the on-screen menu language, English or Japanese.

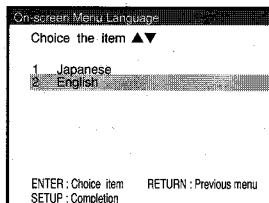
1 At the initial setting screen, select “On screen Menu” by using **▲** or **▼**. Then press **ENTER**.

2 Use **▲** or **▼** to move the cursor (the yellow area) to “On screen Menu Language”.



3 Press **ENTER**.

4 Use **▲** or **▼** to move the cursor (the yellow area) to the desired setting.



5 Press **ENTER**.

Your entry is saved.

6 Press **↶** RETURN to return to the previous screen or press **SETUP** to exit the setup menu.

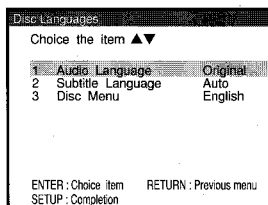
## Disc Languages

sets the language for displaying DVD disc menus.

There are 3 items you can set.

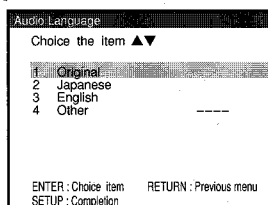
### Audio Language

- 1 At the initial setting screen, select "Disc Languages" by using **▲** or **▼**. Then press **ENTER**.
- 2 Use **▲** or **▼** to move the cursor (the yellow area) to select "Audio language".



- 3 Press **ENTER**.

- 4 Use **▲** or **▼** to move the cursor (the yellow area) to the desired language. And press **ENTER**.



**Original:** Play discs in the language specified as the default on the disc. Then go to step 7.

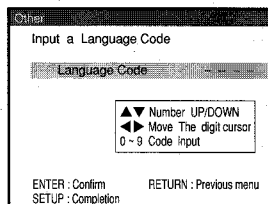
**English:** Play discs in English. Then go to step 7.

**Japanese:** Play discs in Japanese. Then go to step 7.

**Other:** Language code setting screen appears. Then go to step 5.

- 5 When "Other" is selected in step 4, enter a four-digit language code by using **▲**, **▼** and numbered buttons.

Please refer to the list of language codes on page 44.



To move the cursor, use **◀** or **▶**.

- 6 Press **ENTER**.

Your entry is saved.

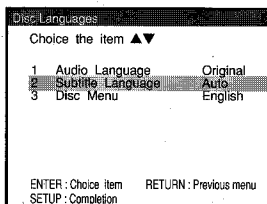
- 7 Press **◀** or **▶** **RETURN** to return to the previous screen or press **SETUP** to exit the setup menu.

If the language selected by these settings does not exist on the disc, then the disc's default language will be used.

## Changing setup values (continued)

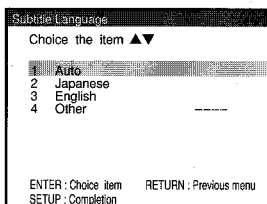
### Subtitle Language

- 1 At the initial setting screen, select "Disc Languages" by using ▲ or ▼. Then press ENTER.
- 2 Use ▲ or ▼ to move the cursor (the yellow area) to "Subtitle Language".



- 3 Press ENTER.

- 4 Use ▲ or ▼ to move the cursor (the yellow area) to the desired language. And press ENTER.



#### Auto:

Subtitles will be automatically displayed in the same language of the lowest subtitle number registered in the disc.

#### English:

Play discs in English.

#### Japanese:

Play discs in Japanese.

#### Others:

Language code setting screen appears. The procedure for setting the language code is the same as for "Audio Language" setting. Refer to the steps 5 and 6 of "Audio Language" setting.

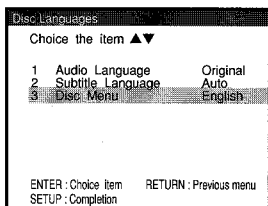
- 5 Press RETURN to return to the previous screen or press SETUP to exit the setup menu.

If the language selected by these settings does not exist on the disc, then the disc's default language will be used.

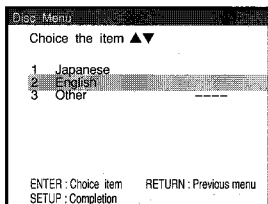


## Disc Menu

- 1 At the initial setting screen, select "Disc Languages" by using ▲ or ▼. Then press ENTER.
- 2 Use ▲ or ▼ to move the cursor (the yellow area) to "Disc Menu".



- 3 Press ENTER.
- 4 Use ▲ or ▼ to move the cursor (the yellow area) to the desired language. And press ENTER.



### English:

Show the Disc menu in English.

### Japanese:

Show the Disc menu in Japanese.

### Other:

Language code setting screen appears. The procedure for setting the language code is the same as for "Audio Language" setting. Refer to the steps 5 and 6 of "Audio Language" setting.

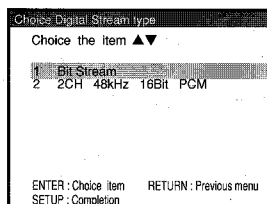
- 5 Press ⏮ RETURN to return to the previous screen or press SETUP to exit the setup menu.

If the language selected by these settings does not exist on the disc, then the disc's default language will be used.

## Digital Output

Sets the audio output to be output from OPTICAL AUDIO OUT jack of the unit according to the type of audio equipment connected to the unit.

- 1 At the initial setting screen, select "Digital Output" by using ▲ or ▼. Then press ENTER.
- 2 Use ▲ or ▼ to move the cursor (the yellow area) to the suitable setting.



### Bit-stream:

Digital output is applied only for DVDs with 48 kHz/16 bit linear PCM audio and impossible for DVDs with 48 kHz/20 bit/24 bit, 96 kHz linear PCM audio during playback. When they are played back, signals are converted into 48 kHz/16 bit with digital output. Due to securing copyright, DVDs with PCM audio are played back at 48 kHz/16 bit or below. DVD recorded in Dolby Digital (AC-3) format will be played back with Dolby Digital (AC-3) Bitstream (2ch-5.1ch) audio output. Select this option if your DVD player is connected to a Dolby Digital (AC-3) decoder. When the DTS audio is selected and played, DTS bitstream is output to Bit-stream.

### 2ch 48KHz 16bit PCM:

Converts output into 48 kHz/16 bit PCM (2ch) when DVD recorded in Dolby Digital (AC-3) format is played back.

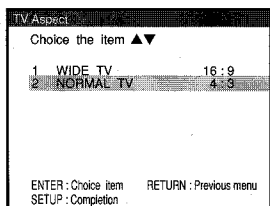
- 3 Press ENTER.  
Your entry is saved.
- 4 Press ⏮ RETURN to return to the previous screen or press SETUP to exit the setup menu.

## TV Aspect

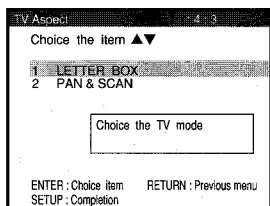
There are 2 options for television aspect. When your television connected to this unit with the connecting cable has a conventional size screen (4:3), refer to "NORMAL TV". The connected TV has a wide-screen (16:9), refer to "WIDE TV".

### NORMAL TV:

- 1 At the initial setting screen, select "TV Aspect" by using ▲ or ▼. Then press ENTER.
- 2 Use ▲ or ▼ to move the cursor (the yellow area) to "NORMAL TV 4:3".



- 3 Press ENTER.
- 4 Use ▲ or ▼ to move the cursor (the yellow area) to the suitable setting.



### LETTER BOX

Media recorded in wide (16:9) format will be played in "letterbox" style, with black bands at the top and bottom of the screen.



### PAN & SCAN

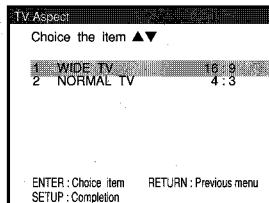
Media recorded in wide (16:9) format will be played at the full screen height, with the left and right portions cut off, for media which contains pan-scan encoding. Other media will be played in "letterbox" style.



- 5 Press ENTER.  
Your entry is saved.
- 6 Press ⏮ RETURN to return to the previous screen or press SETUP to exit the setup menu.

### WIDE TV:

- 1 At the initial setting screen, select "TV Aspect" by using ▲ or ▼. Then press ENTER.
- 2 Use ▲ or ▼ to move the cursor (the yellow area) to "WIDE TV 16:9".



- 3 Press ENTER.  
Your entry is saved.
- 4 Press ⏮ RETURN to return to the previous screen or press SETUP to exit the setup menu.

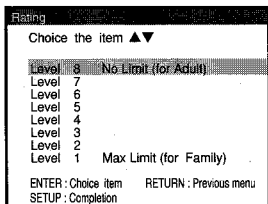
## Ratings

- 1 At the initial setting screen, select "Ratings" by using ▲ or ▼. Then press ENTER.

- 2 Use ▲ or ▼ to move the cursor (the yellow area) to the level you would like to set.

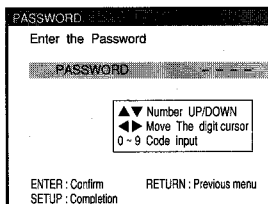
The smaller the number, the higher the level of restriction. For instance, setting the rating level to 1 will make it impossible to play any disc with a rating level from 2 to 8.

The rating scheme may vary from disc to disc. Check the actual disc.



- 3 Press ENTER.

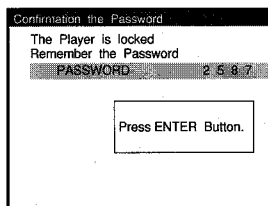
A password entry screen is displayed.



- 4 Use the numbered buttons, ▲ or ▼ to enter a four-digit password.

- 5 Press ENTER.

Confirm your password.



*Do not forget the password you set!*

### If you forget the password

Reset the unit to initial condition and set all the settings again including "Ratings" setting.

- 6 After confirming the password, press ENTER again.

Your entry is saved.

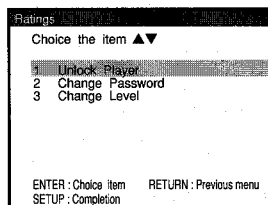
- 7 Press ◀RETURN to return to the previous screen or press SETUP to exit the setup menu.

### To change the settings

- 1 At the initial setting screen, select "Ratings" by using ▲ or ▼. Then press ENTER.

- 2 Input four-digit password and press ENTER.

- 3 Select an item, "Unlock Player" (lift the limitation.), "Change Password", "Change Level."

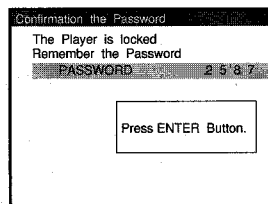


- 4 Press ENTER.

- 5 Change the contents you would like to set, and press ENTER.

- 6 Press ENTER.

Confirm your password.



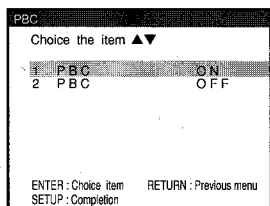
- 7 After confirming the password, press ENTER again.

The contents are saved.

- 8 Press ◀RETURN to return to the previous screen or press SETUP to exit the setup menu.

Sets the default PBC (Play back control) mode on or off for playing a video CD with PBC function.

- 1 At the initial setting screen, select "PBC" by using ▲ or ▼. Then press ENTER.
- 2 Use ▲ or ▼ to move the cursor (the yellow area) to "ON" or "OFF".



- 3 Press ENTER.  
Your entry is saved.
- 4 Press ⏮ RETURN to return to the previous screen or press SETUP to exit the setup menu.

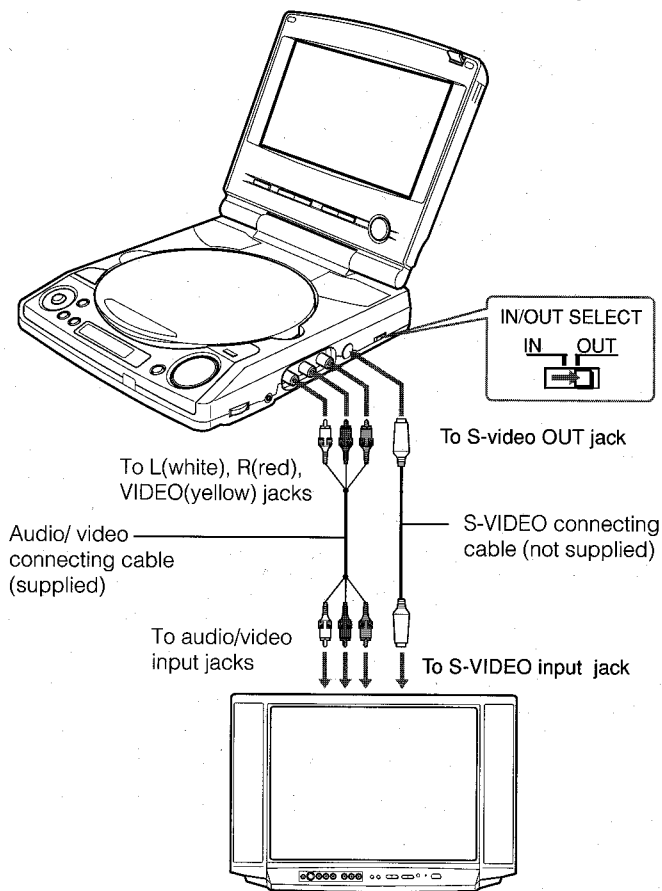
## Connecting to the external equipments

### Before connection

- Turn off the power of this unit and the equipments to be connected.
- Refer to the instructions for the equipment to be connected.

### Connecting to a wide TV/an AV TV

According to the type of the connected TV set, set the initial TV mode referring to "TV Aspect" on page 34.



### To connect to a TV set equipped with S-video input

Use the S-video cord (not supplied) for a picture of higher quality.

### To set the color system of connected TV

Slide the PAL/NTSC switch on the rear according to the TV.

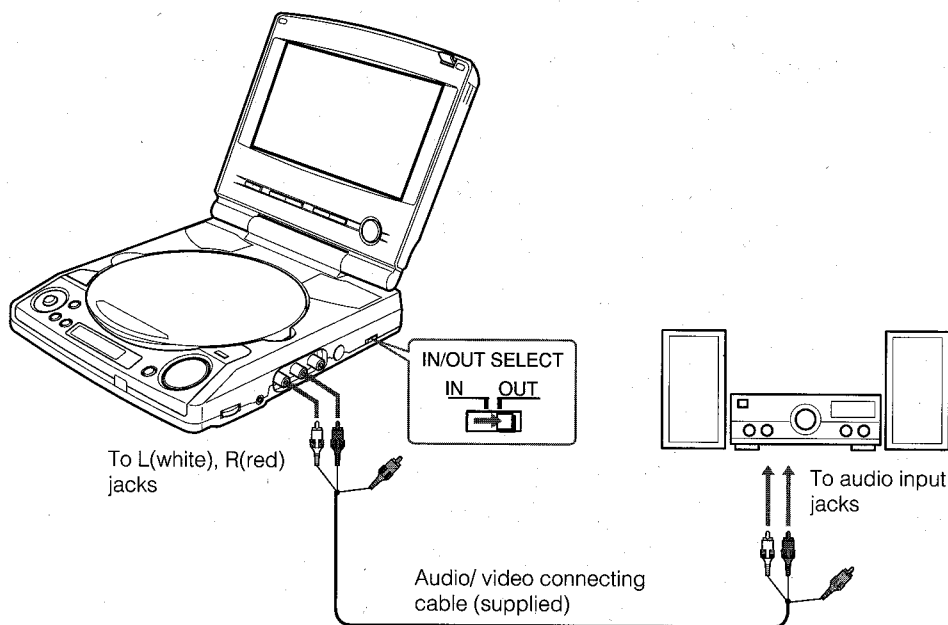
### NOTE

Connect the video out of this unit to the TV set directly.  
If it is connected to a video deck or a video TV set, the TV picture may be distorted during playback.

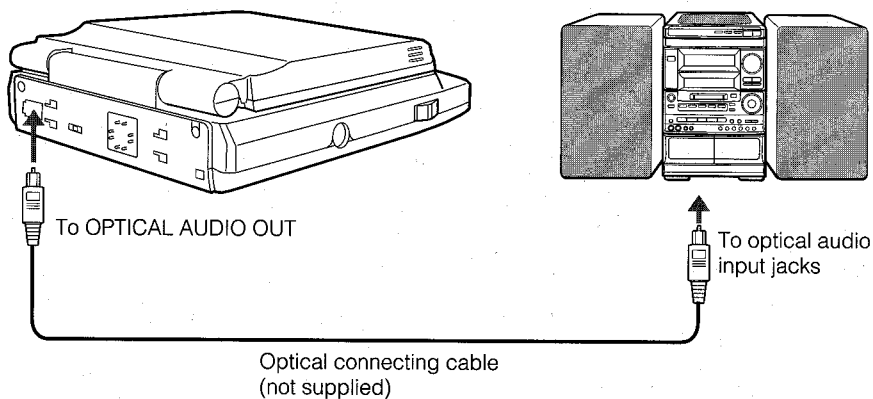
CONTINUE

## Connecting the external equipments (continued)

### Connecting to an audio equipment without digital audio input terminals



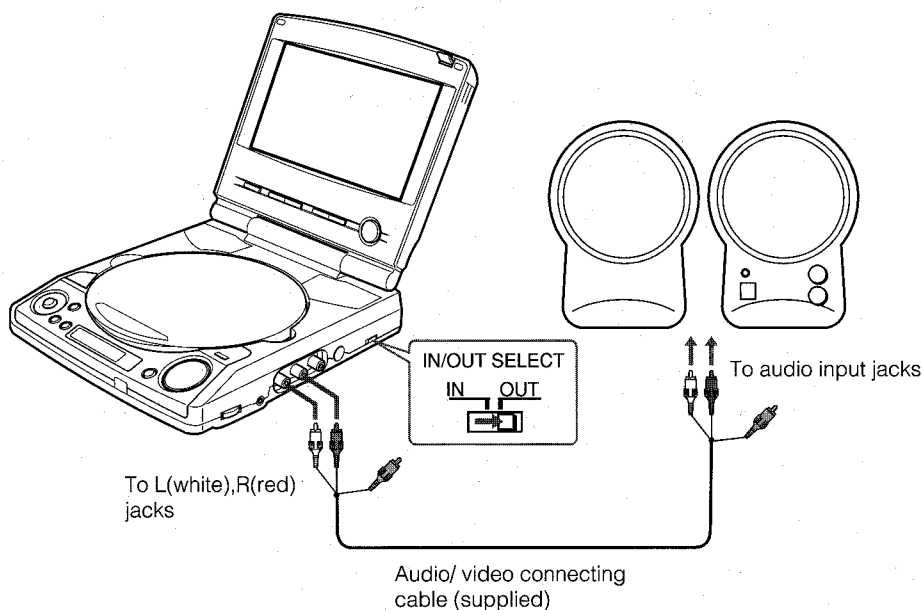
### Connecting to an audio equipment with digital audio input terminals



#### NOTE

When the battery pack is set on, the OPTICAL AUDIO OUT output terminals cannot be used.

## Connecting to an active speaker system



### Output sound from the audio output/optical output terminals of this unit

Playing disc	Audio recording system	Output audio signals
DVD	Dolby digital (AC-3)	<ul style="list-style-type: none"> <li>• Bit stream of Dolby digital (AC-3) (2ch-5.1ch)</li> <li>• PCM (48 kHz/16 bit) (2ch)*1</li> </ul> Select it in the initial setting "Digital output".
	Linear PCM 48 kHz/96 kHz 16/20/24 bit	<ul style="list-style-type: none"> <li>• Linear PCM (48 kHz/16 bit) (2ch)</li> <li>• No output audio signal</li> </ul> Select it in the initial setting "Digital Output".
	DTS	Bit stream of DTS (1ch-5.1ch)
Video CD	MPEG 1	PCM (44.1 kHz)*1
Audio CD	Linear PCM	Linear PCM (44.1 kHz)

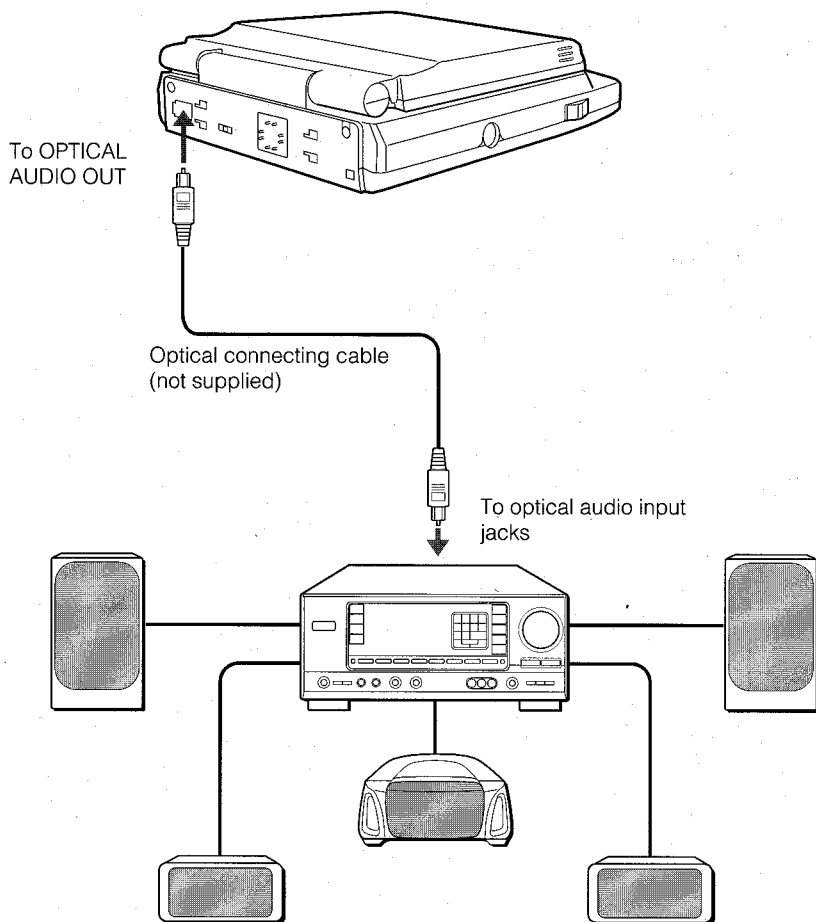
\*1 This changes condensed audio signals to PCM and outputs them.

CONTINUE

## Connecting the external equipments (continued)

### Connecting to a dolby digital (AC-3) decoder

During playback of a DVD recorded in Dolby Digital (AC-3)/5.1ch surround, bit streams of Dolby Digital are output from the audio or optical audio input/output terminals of this unit. By connecting to a dolby digital decoder, you can enjoy theater-quality realistic audio sound right in your own home.



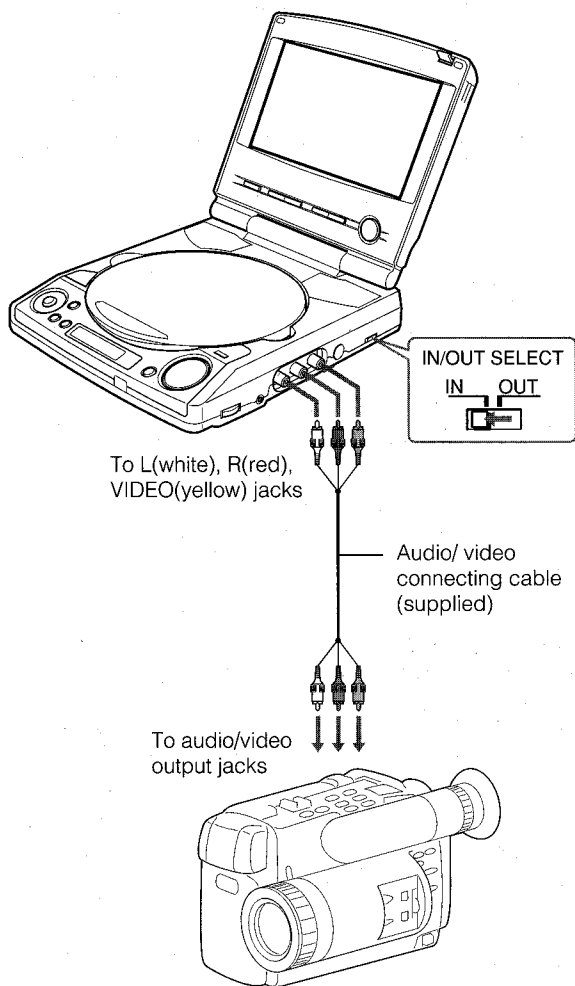
#### NOTE

When the battery pack is set on, the OPTICAL AUDIO OUT output terminals cannot be used.



## Connecting to a video camera

You can enjoy contents of an external video camera through the liquid crystal display and stereo speakers of this unit.



### To set the color system of connected equipment

Slide the PAL/NTSC switch on the rear according to the color system of connected equipment.

# Troubleshooting

If something seems to be wrong with your DVD player, first check the items in the table below.

## The power does not turn on.

- Connect the AC adaptor correctly or insert the battery pack correctly. (page 7)
- Check that POWER is not set to HOLD. (page 11)
- The power cannot be turned on by POWER of the remote control.

## The power automatically turns off.

- In stop mode, the unit automatically enters the standby mode in 5 minutes when using with the AC adaptor, and in 5 minutes when using with the battery pack (Auto power off). (page 11)

Turn on the power again.

## Playback does not start by pressing ►(Play). Playback stops immediately.

- The player is affected by condensation. (page 3)  
Wait approximately one or two hours.
- Discs other than DVD, video CD and audio CD cannot be played back.
- If the disc is dirty, wipe it with a cleaning cloth.
- Insert the disc correctly with the label side up. (page 10)

## Any picture does not come on the TV screen.

- Check if the connection is correct. (page 37)
- Set the input switch on the TV set to "video".
- Set IN/OUT SELECT on the side of this unit to OUT. (page 37)

## Any sound does not come out from the connected speakers.

- Check if the connection is correct. (page 39)
- Set the input switch on the TV set to "video".
- Set IN/OUT SELECT on the side of this unit to OUT. (page 39)

## Buttons on the main unit or on the remote control do not function.

- In some discs, the operation may be inhibited.
- Check that POWER is not set to HOLD. (page 11)

## The liquid crystal display is dark.

- Adjust the brightness.

## Any picture does not come on the liquid crystal display when the TV tuner or the video camera is connected.

- Check if the connection is correct. (page 41)
- Check that the TV tuner or the video camera is turned on.
- Set IN/OUT SELECT on the side of this unit to IN. (page 41)
- Check that the display mode of the liquid crystal display is not set to OFF. (page 28)

## Menu playback cannot be done in a video CD.

- Menu playback can be done only in a video CD with PBC function. (page 19)

## Pictures are distorted during forward/backward search.

- They are not a malfunction.

## Subtitles are not displayed.

- Subtitles are not displayed in a DVD in which subtitles are not recorded.
- If the subtitle is set to "OFF", set it to ON. (page 25)

## Audio/subtitle language cannot be changed.

- It cannot be changed in such a disc that only one language is recorded in.
- The menu display may be used to change the language instead of the audio/subtitle change operation. (page 25)

## Angle cannot be changed.

- It cannot be changed in such a disc that only one angle is recorded. In some disc, only some part of the disc is recorded in multi-angle. When a multi-angle scene comes on during playback, "ANGLE" will be displayed. (page 24)

**Playback does not start when a title is selected.**

- Check the setting of "Ratings" . (page 35)

**You do not remember the code number set in "Ratings".**

- Reset this unit as follows to restore the initial condition.

When the disc cover is closed without a disc inside, set POWER to ON while pressing RETURN, TITLE and STOP at the same time, and keep the state for 2 seconds.

**Audio/subtitle language is different from the one set in initial setting.**

- Check that the disc contains the specified language. (page 25)

**Screen size of the connected TV set does not turn to 4:3 (16:9).**

- Set "TV Aspect" correctly according to your TV set. (page 34)

**When operating with buttons, any message does not come on the display.**

- Set "Guide Message" of initial setting to ON. (page 30)

**Menu display is not in specified language.**

- Check "Disc Menu".of "Disc language" in initial settings. (page 31)

**The remote control does not work.**

- In stop mode, the unit automatically enters the standby mode in 5 minutes (Auto power off). (page 11)

Turn on the power again.

- Make sure the batteries are inserted in the correct polarity. (page 7)
- As the batteries have very little power, replace them with new ones. (page 7)
- Operate it toward the remote sensor. (page 7)
- Operate it within 5 meter from the remote sensor. (page 7)
- Remove the object put between the remote control and the remote sensor. (page 7)
- Check that POWER is not set to HOLD. (page 11)

**Shock proof function (which prevents the playing disc from sound missing) does not work.**

- When the optical digital cable is connected to OPTICAL AUDIO OUT, shock proof function does not work.

**Although the AC adaptor is connected to the main unit, the Charge lamp lights up and the main unit is not turned on.**

- Check that the AC adaptor plug is connected to the main unit firmly.

**The unit is warmed during playback.**

- This is not a malfunction.

**The liquid crystal display**

For the liquid crystal display of this unit, high quality wide screen liquid crystal is adopted which is composed by 280 thousands of pixels. Sometimes a few of pixels may light in black or some other colors due to the property of the liquid crystal parts, but this is not a malfunction.

# Language codes

Code	Language	Code	Language	Code	Language
6565	Afar	7285	Hungarian	8084	Portuguese
6566	Abkhazian	7289	Armenian	8185	Quechua
6570	Afrikaans	7365	Interlingua	8277	Rhaeto-Romance
6577	Amharic	7378	Indonesian	8279	Romanian
6582	Arabic	7383	Icelandic	8285	Russian
6583	Assamese	7384	Italian	8365	Sanskrit
6588	Aymara	7387	Hebrew	8368	Sindhi
6590	Azerbaijani	7465	Japanese	8372	Serbo-Croatian
6665	Bashkir	7473	Yiddish	8373	Singhalese
6669	Byelorussian	7487	Javanese	8375	Slovak
6671	Bulgarian	7565	Georgian	8376	Slovenian
6672	Bihari	7575	Kazakh	8377	Samoan
6678	Bengali; Bangla	7576	Greenlandic	8378	Shona
6679	Tibetan	7577	Cambodian	8379	Somali
6682	Breton	7578	Kannada	8381	Albanian
6765	Catalan	7579	Korean	8382	Serbian
6779	Corsican	7583	Kashmiri	8385	Sundanese
6783	Czech	7585	Kurdish	8386	Swedish
6789	Welsh	7589	Kirghiz	8387	Swahili
6865	Danish	7665	Latin	8465	Tamil
6869	German	7678	Lingala	8469	Telugu
6890	Bhutani	7679	Laothian	8471	Tagik
6976	Greek	7684	Lithuanian	8472	Thai
6978	English	7686	Latvian; Lettish	8473	Tigrinya
6979	Esperanto	7771	Malagasy	8475	Turkmen
6983	Spanish	7773	Maori	8476	Tagalog
6984	Estonian	7775	Macedonian	8479	Tonga
6985	Basque	7776	Malayalam	8482	Turkish
7065	Persian	7778	Mongolian	8484	Tatar
7073	Finnish	7779	Moldavian	8487	Twi
7074	Fiji	7782	Marathi	8575	Ukrainian
7079	Faroese	7783	Malay	8582	Urdu
7082	French	7784	Maltese	8590	Uzbek
7089	Frisian	7789	Burmese	8673	Vietnamese
7165	Irish	7865	Nauru	8679	Volapük
7168	Scots Gaelic	7869	Nepali	8779	Wolof
7176	Galician	7876	Dutch	8872	Xhosa
7178	Guarani	7879	Norwegian	8979	Yoruba
7185	Gujarati	7982	Oriya	9072	Chinese
7265	Hausa	8065	Punjabi	9085	Zulu
7273	Hindi	8076	Polish		
7282	Croatian	8083	Pashto; Pushto		

# Explanation of terms

---

## **Interactive DVD**

This is the DVD disc whose story is changeable by user's selection, or whose direction of view is changeable.

## **Title, chapter (DVD)**

DVD disc is divided into some large parts (title) and into some more small parts (chapter). Each part has a number which is called title number or chapter number.

## **OPTICAL AUDIO OUT jack**

The OPTICAL AUDIO OUT jack changes electric signals into optical signals before transmitting them to the amplifier. According to this, the signals flow without electric effect from outside, noise are suppressed and give little effect for outside.

## **Track (video CD/audio CD)**

A video CD or an audio CD is divided into some parts (track). Each part has a number which is called track number.

## **Dolby digital (AC-3)**

This is the technique for digital audio compression developed by Dolby Corporation. Not only stereo (2 ch) sound but also 5.1 ch sound can be compressed by it. A large amount of data can be held in a disc efficiently.

## **Dolby pro logic decoder**

This is the equipment in which 4 channel signals recorded in 2 channels by dolby surround (pro logic) are reverted to signals in 4 channels when playing them back. As compared with the surround sounds of 5.1 ch of dolby digital (AC-3), separation between channels is worse and surround signal is played back only within 7 kHz.

## **Pan & scan screen**

This signifies that the screen recorded in wide-screen format is displayed with left and right portions cut off.

## **Playback control (video CD)**

A video CD with the playback control function can be played back by following the menu display interactively.

## **Letter box screen**

This signifies that the screen recorded in wide-screen format is displayed with black bands at the top and bottom of the screen.

## **Linear PCM audio (LPCM)**

This is the signal recording system for audio CD.

While the signals are recorded by 44.1 kHz/16 bit in audio CD, by 48 kHz/16 bit - 96 kHz/24 bit in DVD. As a result, DVD is played back in higher quality sound than audio CD.

## **MPEG (Moving Picture Experts Group)**

MPEG is the international standard format for moving pictures provided by Moving Picture Experts Group organized under ISO (International Organization for Standardization) and IEC (International Electro-technical Commission). MPEG provided MPEG1 in 1991, and MPEG2 in 1994. MPEG2 enables to play in higher quality than MPEG1.

## **S-VIDEO OUT terminal**

As this terminal divides the video signals into color signal and brightness signal to transmit them to the TV set, the picture becomes clearer. We recommend to connect S-VIDEO cord (supplied) to the TV set with the S-VIDEO terminal.

# Specifications

---

Power supply	120 V AC, 60 Hz
Power consumption	18 W
Weight	Main unit: 970 g (33.95 oz) Battery pack: 520 g (18.2 oz)
External dimensions	165 (W) × 180 (H) × 51 (D) mm (6 $\frac{1}{2}$ × 7 $\frac{1}{8}$ × 2 $\frac{1}{8}$ in.)
Signal format	NTSC
Supported discs	DVD video discs 12 cm (single-sided single-layer, single-sided double-layer, double-sided-double layer) 8 cm (single-sided single-layer, single-sided double-layer, double-sided-double layer) Compact discs (CD-DA, video CD) 12 cm and 8 cm discs
S2 video output	Y output: 1 Vp-p (75 ohms, sync negative) C output: 0.286 Vp-p
Video output	Video composite output 1 Vp-p (75 ohms, sync negative) RCA jacks
Audio output	DOWN MIXING AUDIO OUT connector 1.5 Vrms (1 kHz, -20 dB) 2 RCA jacks (L/R) Fiber optical connector (IEC 958)
Audio output characteristics	Frequency range: CD / VCD: 20 Hz to 20 kHz DVD: 4 Hz to 22 kHz (48 kHz sampling)
Operating conditions	Wow and flutter: unmeasurable 5°C to 35°C (41°F to 95°F)
Accessories	Remote control (1) Battery pack (1) AC adaptor (1) AC power cord (1) Audio/video connection cord (1)

Specifications are subject to change without notice.

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### **Region Management Information**

Region Management Information: This DVD Player is designed and manufactured to respond to the Region Management Information that is recorded on a DVD disc. If the Region number described on the DVD disc does not correspond to the Region number of this DVD player, this DVD player cannot play that disc.

The region number of this DVD player is 1.



### **Notes on Unauthorized Discs**

You may not be able to play back some DVD video discs on this player if they were purchased from outside your geographic area or made for business purposes.

### **Notes on Copyright**

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