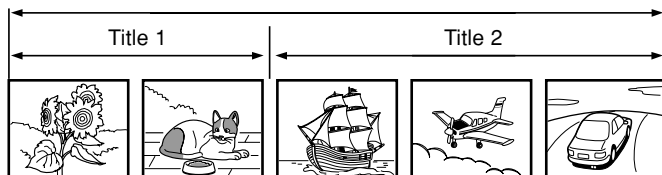


# Using Banner Display

DVD

## Selecting a Title

### DVD-Video



Some discs contain more than one title. For example, there might be four movies on one disc (each movie might be considered a title).

<b>1</b> ON SCREEN 	<b>Press ON SCREEN.</b>
<b>2</b> 	<b>Press ◀▶ until the TITLE icon is highlighted.</b>
<b>3</b> 	<b>Press ENTER.</b> “T —” appears.
<b>4</b> 	<b>Press the numeric buttons to enter the title number.</b> When you enter a one-digit title number, you may have to press <b>ENTER</b> on the remote controller after pressing the number (1~9) on the remote controller. Otherwise press 0 first and the other value. Then play starts. This varies depending on number of title within the disc you're playing.

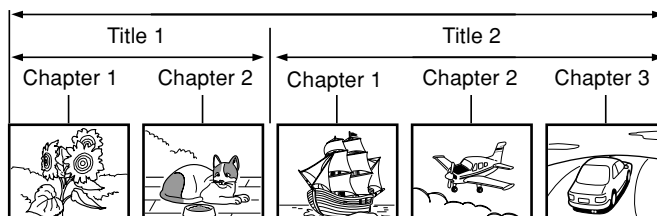
#### Note

Some discs only have one title.

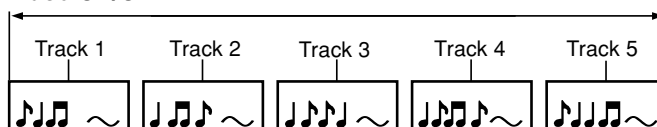
DVD VCD CD

## Selecting a Chapter or Track

### DVD-Video



### Video CD/CD



Because DVD discs use digital technology, a title can be divided into individual chapters (similar to tracks on a CD). You can skip a specific chapter by using the Chapter section in the Banner Display.

<b>1</b> ON SCREEN 	<b>Press ON SCREEN.</b>
<b>2</b> 	<b>Press ◀▶ until the CHAPTER or TRACK icon is highlighted.</b>
<b>3</b> 	<b>Press ENTER.</b> “C —” or “Tr. —” appears.
<b>4</b> 	<b>Press the numeric buttons to enter the chapter or track number.</b> When you enter a one-digit chapter or track number, you may have to press <b>ENTER</b> on the remote controller after pressing the number (1~9) on the remote controller. Otherwise press 0 first and the other value. Then play starts. This varies depending on number of chapter or track within the disc you're playing.

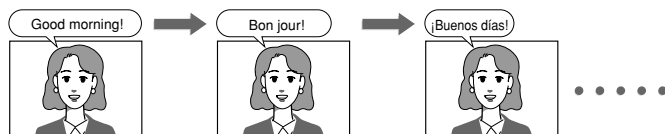
#### Note

The chapter feature won't work if the disc isn't formatted with separate chapters.

# Using Banner Display

DVD

## Selecting a Playback Audio Setting



You can select the preferred audio language and sound system as a set from those included on the disc. This function lets you temporarily change the audio language which you selected as the automatic setting in the setting menu (see pages 30 and 31), and choose the sound system if the disc is recorded in more than one sound format.

<b>1</b> ON SCREEN 	<b>Press ON SCREEN during playback.</b>
<b>2</b> 	<b>Press ◀▶ until the AUDIO icon is highlighted.</b>
<b>3</b> ENTER 	<b>Press ENTER.</b> The audio menu appears. 
<b>4</b> ENTER 	<b>Press ENTER to select the audio.</b> Each time you press <b>ENTER</b> , the audio recording system set changes.

### ■ To turn off the audio menu

Press **ON SCREEN** or **CLEAR**.

The menu is switched off when no operation is performed for about 5 seconds.

### ■ Using AUDIO on the remote controller

- 1 Press **AUDIO** on the remote controller during playback.
- 2 Press **AUDIO** or **ENTER** to select the audio language.

#### Notes

- Dolby Digital 5.1 Channel sound may be displayed as “6ch. Dolby Digital”.
- Before changing the setting, read through the explanation on “Digital Audio Out” on page 35 and carefully select the setting.
- Depending on the disc, it may be necessary to select the audio sound track using the DVD menu. When this is the case, press **MENU** to open the DVD menu and select the appropriate sound track as indicated on the DVD menu screen.
- When the DVD Changer is turned on or when the disc is changed, the audio settings are restored to the presets. In some cases, a language recorded on the disc may be given priority and selected automatically when the disc is loaded regardless of the setting.

DVD

## Changing the Subtitle Language



You can display subtitles on the TV screen and select a subtitle language from those included on the DVD-Video.

<b>1</b> ON SCREEN 	<b>Press ON SCREEN during playback.</b>
<b>2</b> 	<b>Press ◀▶ until the SUBTITLE icon is highlighted.</b>
<b>3</b> ENTER 	<b>Press ENTER.</b> The subtitle menu appears. <b>Displayed when SUBTITLE is on</b> 
<b>4</b> ENTER 	<b>Press ENTER to select the subtitle language.</b> Each time you press <b>ENTER</b> , the subtitle language changes.
<b>5</b> ON/OFF 	<b>Press SUBTITLE ON/OFF to select subtitle on or off.</b> Switching between display of subtitles and no display of subtitle is done each time the key is pressed.

### ■ To turn off the subtitle menu

Press **ON SCREEN** or **CLEAR**.

The menu is switched off when no operation is performed for about 5 seconds.

### ■ Using SUBTITLE on the remote controller

- 1 Press **SUBTITLE** on the remote controller during playback.
- 2 Press **SUBTITLE** or **ENTER** to select the subtitle language.
- 3 Press **SUBTITLE ON/OFF** to select subtitle on or off.

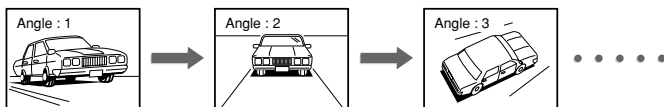
#### Notes

- When you turn on the DVD Changer or replace a disc, the DVD Changer returns to the automatic setting in the setting menu (see pages 30 and 31). When you select a subtitle language which is not included on the disc, the DVD Changer plays the prior language programmed on the disc.
- During some scenes, the subtitles may not appear immediately after you change the subtitle setting.
- Some DVD-Video are set to display subtitles automatically, and you cannot turn them off even if you set the subtitle function to off.

# Using Banner Display

DVD

## Changing the Camera Angle



If the scene was recorded from multiple angles, you can easily change the camera angle of the scene you are watching.

<b>1</b> ON SCREEN 	<b>Press ON SCREEN during playback.</b>
<b>2</b> 	<b>Press ◀/▶ until the Angle icon is highlighted.</b>
<b>3</b>  	<b>Press ENTER.</b> The angle menu appears.
<b>4</b> 	<b>Press ENTER to select the angle.</b> Each time you press <b>ENTER</b> , the angle changes.

### ■ To turn off the angle menu

Press **ON SCREEN** or **CLEAR**.

The menu is switched off when no operation is performed for about 5 seconds.

### ■ Using ANGLE on the remote controller

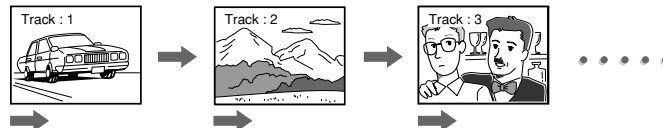
- 1 Press **ANGLE** on the remote controller during playback.
- 2 Press **ANGLE** or **ENTER** to select the camera angle.

#### Notes

- You can change the camera angle during still playback. The camera angle changes to the new setting when you resume normal playback.
- If you pause a picture immediately after changing the camera angle, the resumed playback picture may not use the new camera angle.

VCD CD

## Using IntroScan function



IntroScan plays the first few seconds of each track on the Video CD or CD similar to the scan feature that's on many car radios.

<b>1</b> ON SCREEN 	<b>When playing a Video CD, press ON SCREEN to display the Banner Display.</b> When playing a CD, the Banner Display appears on the screen automatically.
<b>2</b> 	<b>Press ◀/▶ until the IntroScan icon is highlighted.</b>
<b>3</b> 	<b>Press ENTER.</b> The INTRO indicator lights. The first 10 seconds of each track will be played. Press ▶ to stop IntroScan playback and start playing the current track entirely.

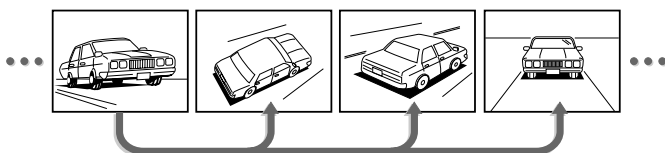
#### Note

After IntroScan goes through all of the tracks, it stops.

# Using Banner Display

DVD VCD CD

## Using a bookmark



The bookmark feature lets you mark a point on the disc that you can go to quickly. You can store up to 9 bookmarks.

### ■ Marking a scene

<b>1</b> 	<b>Press ON SCREEN during playback.</b>
<b>2</b> 	<b>Press ◀▶ until the bookmark icon is highlighted and press ENTER</b> The bookmark menu appears. 
<b>3</b> 	<b>When you reach the scene you want to mark, press ENTER.</b> The bookmark appears on under square. You can store up to 9 bookmarks by repeating this step.

### ■ To return to the Banner Display

Press ◀▶ to select the exit icon and press **ENTER**.

### ■ To clear the bookmark

The bookmark is cleared when a disc is removed from the DVD Changer, when the power is turned off, or when the DVD Changer enters the standby mode.

#### Notes

- If all 9 bookmarks are in use, you can still mark new scenes, but the previous bookmarks will be erased.
- Depending on the disc, the bookmark function may not work.

### ■ Recalling a bookmarked scene

<b>1</b> 	<b>Press ON SCREEN during playback.</b>
<b>2</b> 	<b>Press ◀▶ until the bookmark icon is highlighted and press ENTER</b> The bookmark menu appears. 
<b>3</b> 	<b>Press ▲ to move the cursor to the "Go To" parts of the bookmark menu.</b>
<b>4</b> 	<b>Press ◀▶ to select the bookmarked scene you want to activate.</b>
<b>5</b> 	<b>Press ENTER to activate the bookmark.</b>

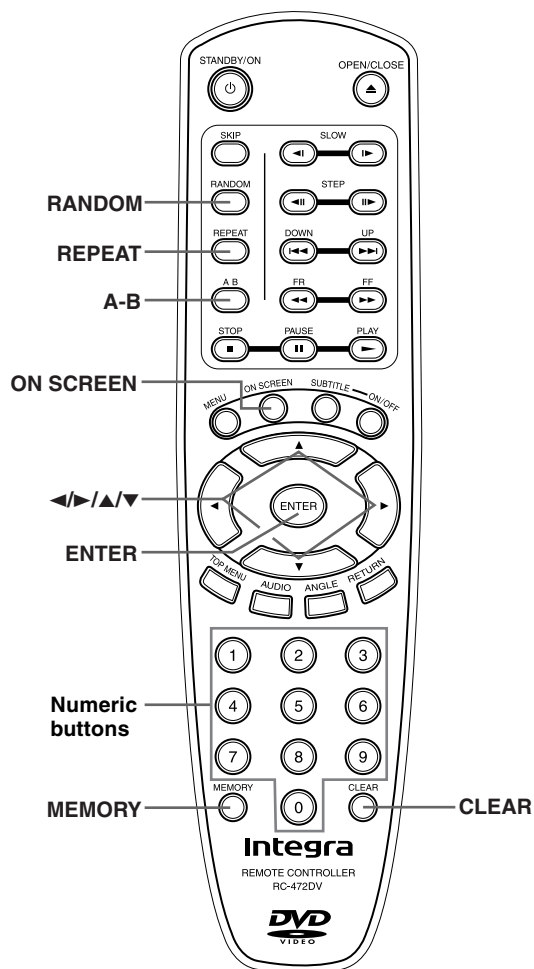
### ■ To turn off the bookmark menu

Press **ON SCREEN** or **CLEAR**.

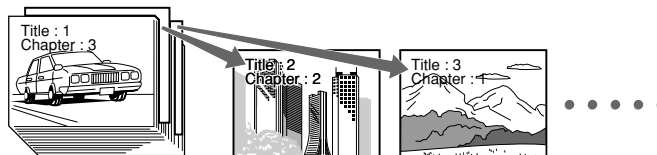
# Other Operations

The following operations can be performed directly from the remote controller.

- Random Play
- Repeat Play
- A-B Repeat Play
- Memory Play



## Random play



The chapters or tracks of the disc are played in random order.

**Press RANDOM.**  
The random playback starts.

**Display**      **Lights**

RANDOM

The Random Play display appears on the screen.

Random Play

### ■ To turn off the Random Play display

Press **ON SCREEN** or **CLEAR**.

The menu is switched off when no operation is performed for about 5 seconds.

#### Note

When playing a DVD, the Random function may not work.

### ■ To cancel random play

Press **RANDOM** so that RANDOM goes off or to select “Standard Play”.

Each time you press **RANDOM**, random play will be on and off.  
Random Play ↔ Standard Play

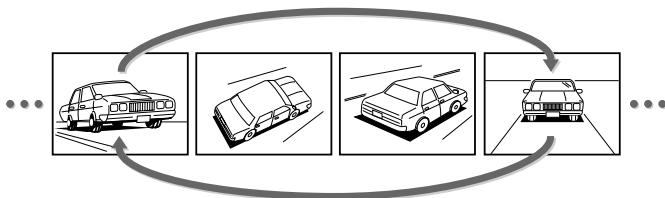
The Standard Play display appears when random is off.



# Other operations

DVD VCD CD

## Repeat play



Desired disc or title can be played back repeatedly.

There are five repeat options:

- All Discs Repeat all discs.
- 1 Disc Repeat the disc that is playing.
- Title Repeat the title that is playing.
- Chapter Repeat the chapter that is playing.
- Track Repeat the track that is playing.



### Press REPEAT repeatedly during playback.

The Repeat display appears on the screen.



Each time you press **REPEAT**, the repeat option changes.

#### At the time of DVD playback

- Repeat All Discs Repeats all discs.
- ↓
- Repeat 1 Disc Repeats the entire disc.
- ↓
- Repeat Title Repeats the current title.
- ↓
- Repeat Chapter Repeats the current chapter.
- ↓
- Repeat Off Resumes normal playback.

#### At the time of Video CD/CD playback

- Repeat All Discs Repeats all discs.
- ↓
- Repeat 1 Disc Repeats the entire disc.
- ↓
- Repeat Track Repeats the current track.
- ↓
- Repeat Off Resumes normal playback.

### ■ To turn off the Repeat display

Press **ON SCREEN** or **CLEAR**.

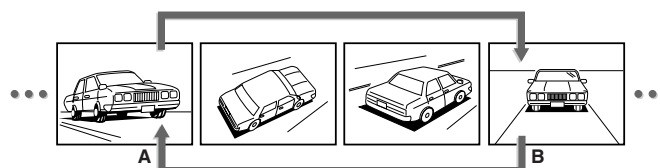
The menu is switched off when no operation is performed for about 5 seconds.

### ■ To cancel repeat playback

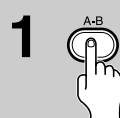
Press **REPEAT** so that REPEAT goes off or to select "Repeat Off".

DVD VCD CD

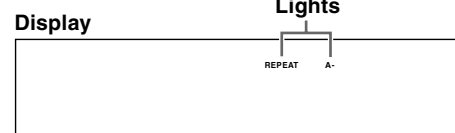
## A-B Repeat play



The A-B repeat function lets you mark a segment to repeat between the beginning "A" and the end "B" of the segment you want to replay.



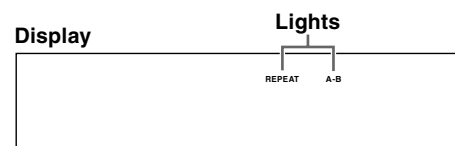
**1** Press A-B when you want to choose a scene (sound) as the beginning point.



The Repeat A- display appears on the screen.



**2** Press A-B again to choose a scene (sound) as the end point. The Repeat A-B display appears.



The DVD Changer automatically returns to point A and starts repeat playback of the selected segment (A-B).

### ■ To turn off the Repeat A-B display

Press **ON SCREEN** or **CLEAR**.

The menu is switched off when no operation is performed for about 5 seconds.

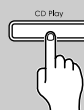
### ■ To cancel A-B Repeat playback

Press **A-B** so that REPEAT A-B goes off or to select "Repeat off".

CD

## CD Play function

Since the DVD Changer allows you to insert up to five discs in any combination, there may be times when you only want to listen to music. In that case, proceed as follows:

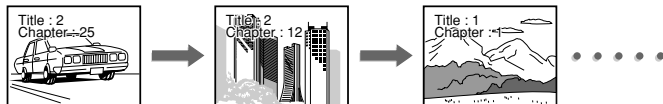


**Press CD Play on the DVD Changer.** Playback of DVD and Video CD discs is skipped in order not to interrupt sequential playback.


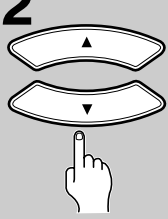



# Other operations

DVD VCD CD

## Memory Play



The DVD Changer automatically plays discs, titles, chapters, or tracks in the order you program.

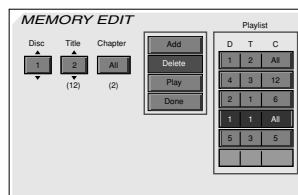
<b>1</b> 	<b>Press MEMORY during stop mode.</b> The MEMORY EDIT display appears and the MEM. indicator lights.
<b>2</b> 	<b>Press ▲/▼ or numeric buttons to select specific disc/title/chapter or track.</b>
<b>3</b> 	<b>Press ENTER.</b>
<b>4</b> 	<b>Select Add button on the screen to register selected value onto Playlist, then press ENTER.</b>
<b>5</b>	<b>You can select maximum 32 values by repeating steps 2-4.</b>
<b>6</b> 	<b>Press ► or select Play button on the screen and press ENTER to start playback.</b>

### ■ To delete memory

- 1 Press MEMORY during stop mode.
- 2 Move the cursor with ► to the "Playlist" and press ▲/▼ to select the column to be deleted from the "Playlist". (The color of the column where the cursor is located will change.)
- 3 Press ◀ and press ▲/▼ to move the cursor to the Delete button on the screen, and press ENTER.

### ■ Insert chapter or track

- 1 Press MEMORY during stop mode.  
The MEMORY EDIT display appears.



- 2 Press ▲/▼ or numeric buttons to select specific disc/title/chapter or track.
- 3 Move the cursor with ► to the "Playlist" and press ▲/▼ to select the column to be added.  
The cursor of the column where the cursor is located will change.
- 4 Press ◀ to move the cursor to the Insert button on the screen and press ENTER.  
The new chapter or track will be insert before (above) the selected column.

### ■ To cancel memory playback

In following cases, Memory play would be released.

- 1 When you open and close tray.
- 2 When you press ■ twice.
- 3 When you turn power off.

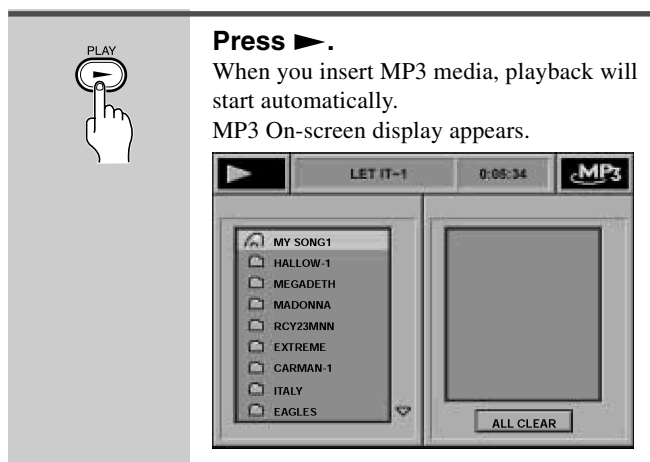
### Notes

- When you don't add values onto Playlist and return to play mode, select Done button and press ENTER on the remote controller.
- While a disc is playing, press MEMORY on the remote controller to start memory play.

# MP3 Function

## Playing back MP3

The DVD Changer can play back MP3 files recorded on CD-R or CD-RW.



## To stop playback

Press ■.

## To skip files

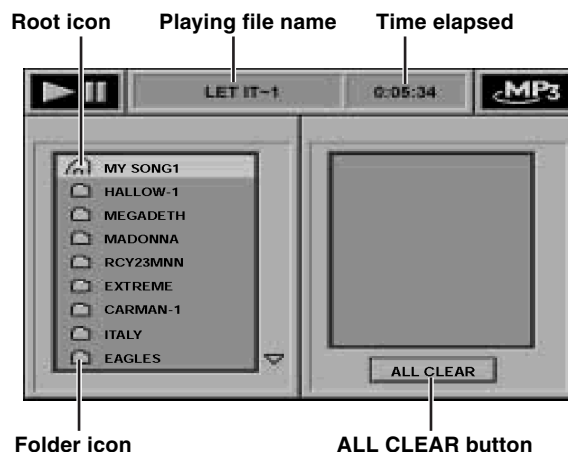
Press ◀◀/▶▶.

### Notes

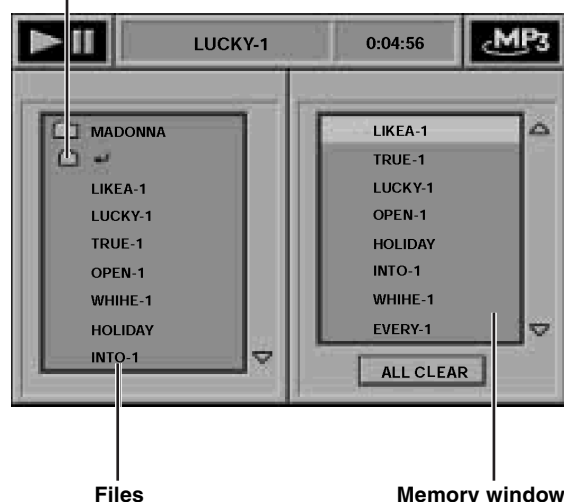
- It is not possible to play back folders and files (up to 223) that exceed the maximum limitations of the media.
- A certain amount of time is required for the player to confirm the media on which MP3 files have been recorded before playback will commence.
- The files will be played back in the sequence in which they were recorded (written).

## MP3 On-screen display

When you insert MP3 media, the MP3 On-screen display appears.



### Return folder icon



### Note

Single-byte characters between A and Z, single-byte numerals between 0 and 9, and the single-byte underscore (\_) can be displayed.

# MP3 Function

## Selecting MP3 files

You can select the files to be played back directly.

**1**

**Press ▲/▼ to select the folder, then press ENTER**

**2**

**Press ▲/▼ to select the file, then press ENTER.**

Playback will start from selected file.  
Files in the next folder will be played back when no files exist in the selected folder.

### ■ To move to the upper layer

Press **ENTER** on return folder icon.

### ■ To select the folders to be played directly

- 1 During stop mode, press ▲/▼ to select the folder, then press **ENTER**.
- 2 Press ▲/▼ to select the upper folder icon, then press ►.  
Playback will start from selected folder.  
Files in the next folder will be played back when no file exist in the selected folder.

## MP3 memory playback

You can listen to the desired files in any desired order.

**1**

**During stop mode, press MEMORY.**

**2**

**Press ▲/▼ to select the file, then press ENTER.**

The selected file goes to memory window.  
You can select maximum 1025.

**3**

**Press ►.**

### ■ To delete memory

During stop mode, press ◀/▶ to select the ALL CLEAR button, then press **ENTER**.

You can delete file one by one by selecting and pressing **CLEAR**.

# Customizing the Settings

When you insert a DVD-Video, Video CD, or CD, the various functions of the DVD Changer will be set (reset) according to the setting menu.

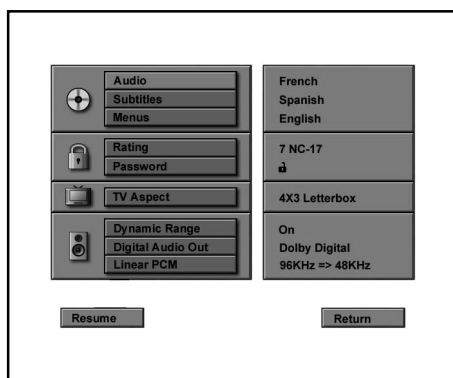
You can customize this setting menu according to your preferences.

## Making Adjustments to Setting

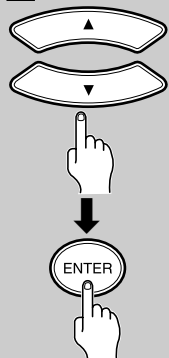
1



**Press MENU during stop mode.**  
Current setup menu display appears.

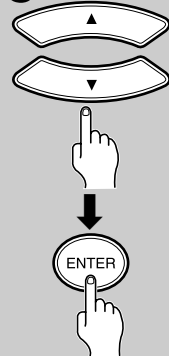


2



**Press ▲/▼ to select the item you want to change, then press ENTER.**

3



**Press ▲/▼ to change the setting, then press ENTER.**

Further steps may be needed depending on the item or setting. Follow the steps described in the explanation of each item starting from page 31.

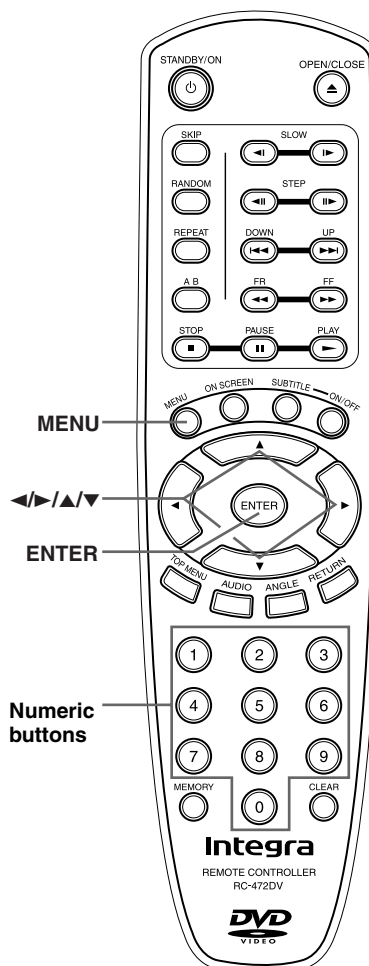
4

**Repeat steps 2 to 3 to change the setting of other items.**

5



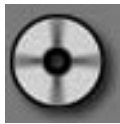
**Press MENU to turn off the setup menu display.**



### ■ How to use RETURN

When **RETURN** is pressed, the display returns to the previous screen (stop mode).

# Customizing the Settings



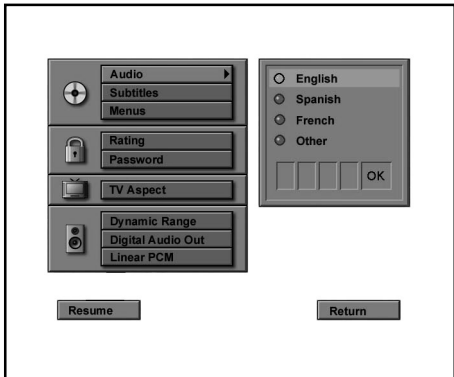
## Language-related settings

### Language Setting

#### Audio Language



This sets the language to be used when playing a disc. If a disc does not contain the selected language, it is played in the priority language set for each disc.



**English:** To play sound tracks in English.

**Spanish:** To play sound tracks in Spanish.

**French:** To play sound tracks in French.

**Others:** To make a further choice. Follow steps 1 - 3 below.

- 1 Select “Other” and press ENTER.
- 2 Press the numeric buttons to enter the 4-digit code.
- 3 Select OK button and press ENTER.

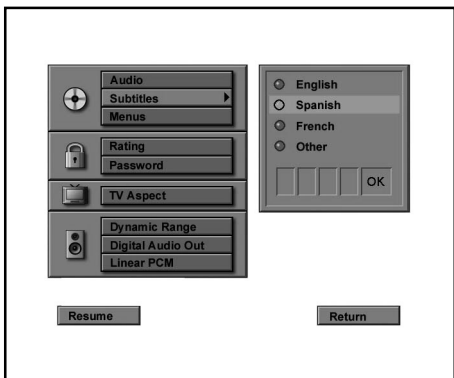
#### Note

Depending on the disc, a language recorded on the disc may be given priority and selected automatically when the disc is loaded regardless of the setting.

#### Subtitle Language



This sets the language to be used when playing a disc. If a disc does not contain the selected language, it is played in the priority language set for each disc.



**English:** To display subtitles in English.

**Spanish:** To display subtitles in Spanish.

**French:** To display subtitles in French.

**Others:** To make a further choice. Follow steps 1 - 3 below.

- 1 Select “Other” and press ENTER.
- 2 Press the numeric buttons to enter the 4-digit code.
- 3 Select OK button and press ENTER.

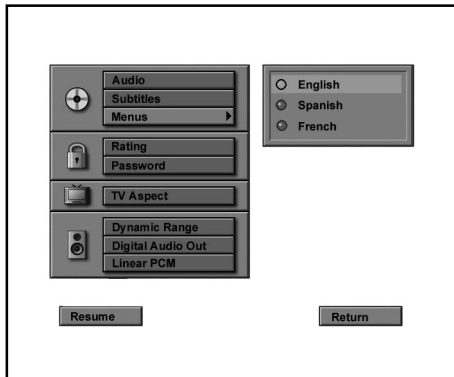
#### Notes

- Some DVD-Video may be set to display subtitles in a different language than you selected. A prior subtitle language may be programmed on the disc.
- Some DVD-Video allow you to change audio and subtitle selections only via the disc menu. If this is the case, Press **TOP MENU** or **MENU** and choose the appropriate audio and subtitle language from the selection on the disc menu.
- Instruction notes of discs may refer to the button that displays the top menu as title button.

#### Menu Language



This sets the initial setup of language as well as the language used in on-screen messages such as “PLAY”.



**English:** To display disc menus in English.

**Spanish:** To display disc menus in Spanish.

**French:** To display disc menus in French.

#### Note

Some DVD-Video may not include your pre-selected language. In this case, the DVD Changer automatically displays disc menus consistent with the disc’s initial language setting.

# Customizing the Settings



## General utility settings

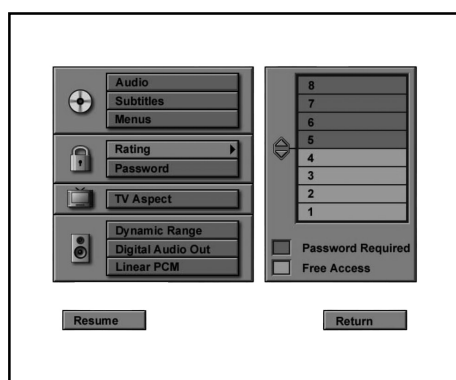
### Operation Setting

#### Rating/Parental lock



This can restrict playback of adult-oriented DVD discs that you do not want to be seen by children.

However, even when a DVD disc is marked “Adult-oriented” or so on the label, its viewing cannot be restricted unless the restriction level is recorded in the disc itself.



You cannot play DVD Video rated higher than the level you selected unless you cancel the parental lock function.  
For example, when you select level 7, discs rated higher than level 7 are locked out and cannot be played.

The Rating level is equivalent to the following U.S. movie ratings.

- Level 7: NC-17
- Level 6: R
- Level 4: PG 13
- Level 3: PG
- Level 1: G

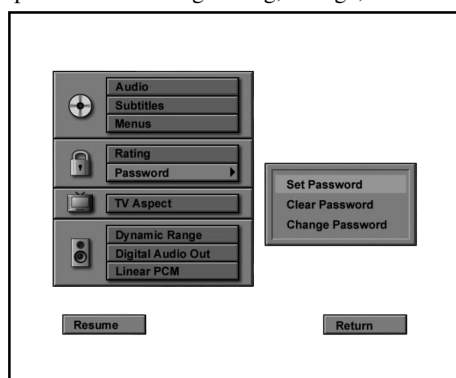
#### Notes

- DVD-Video may or may not respond to the parental lock setting. This is not a defect in the DVD Changer. Make sure this function works with your DVD-Video.
- When the password already has been set, the screen for change of the entered password will be displayed. In that case, enter the password (See “Password” below).

#### Password

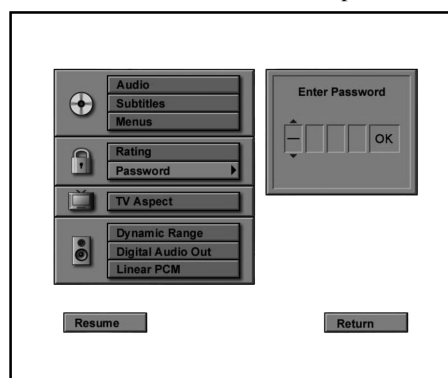


The password for rating setting, change, cancellation, etc. is set.

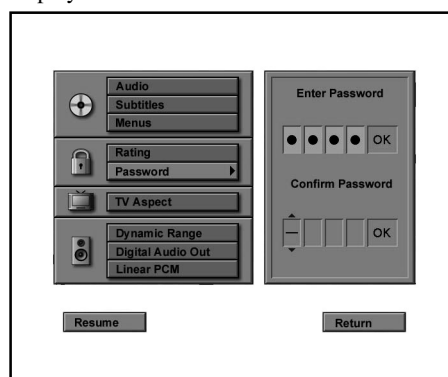


#### To input password

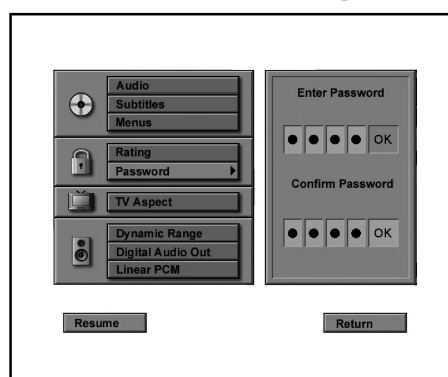
- 1 Select “Set Password”.
- 2 Press the numeric buttons to enter password.



- 3 Select OK button and press **ENTER**.  
Confirm Password display appears below Enter Password display.



- 4 Press the numeric buttons to enter password.



- 5 Select OK button and press **ENTER**.

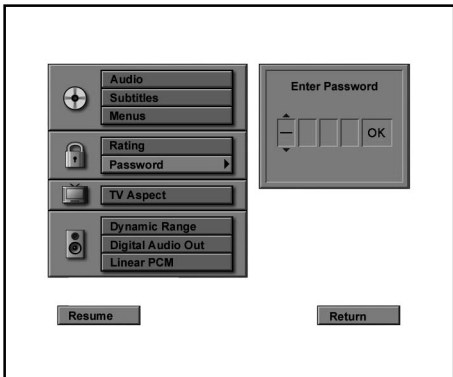
#### Note

Be sure not to forget your password. If you should forget it, press CD Play button while holding down the Disc 4 button to clear the password. If the display on the DVD Changer disappears with this operation, press the Power switch on the DVD Changer and then press it again to recover the display.

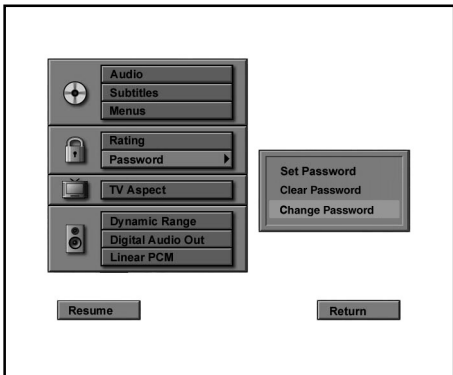
# Customizing the Settings

## Operation Setting (continued)

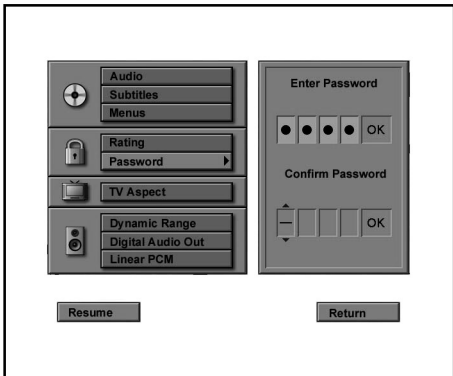
### To change password



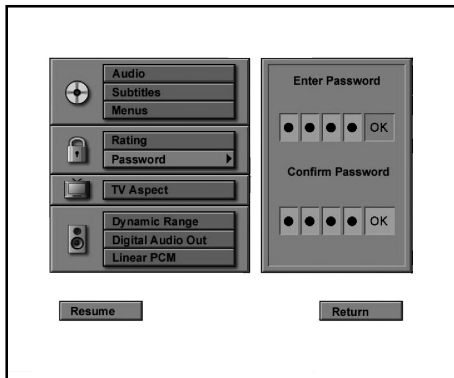
- 1 Press the numeric buttons to enter password.
- 2 Select OK button and press **ENTER**.  
Password setup menu appears.



- 3 Select "Change Password".  
Enter Password menu appears.
- 4 Press the numeric buttons to enter new password.
- 5 Select OK button and press **ENTER**.  
Confirm Password display appears below Enter Password display.

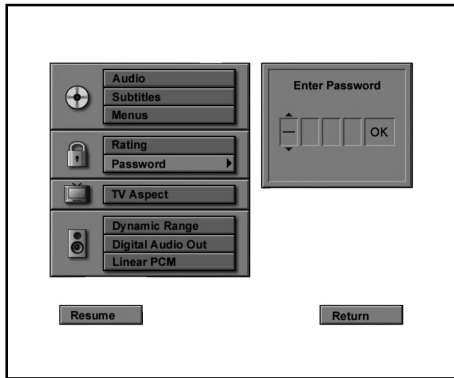


- 6 Press the numeric buttons to enter new password.

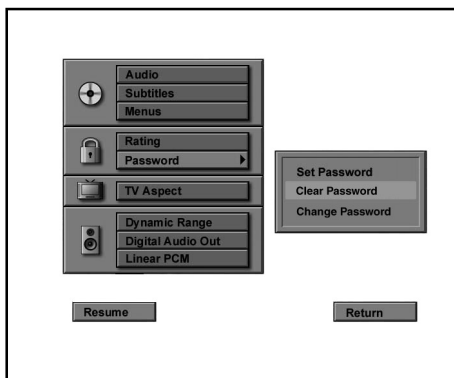


- 7 Select OK button and press **ENTER**.

### To clear password



- 1 Press the numeric buttons to enter password.
- 2 Select OK button and press **ENTER**.  
Password setup menu appears.



- 3 Select "Clear Password" and press **ENTER**.

# Customizing the Settings



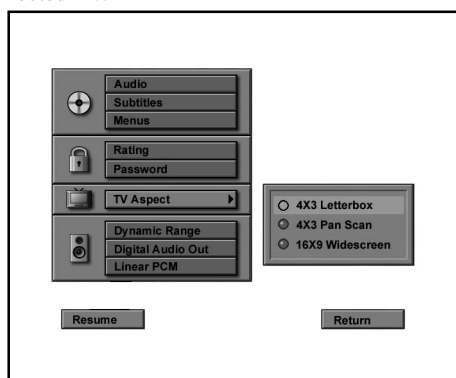
## Picture-related setting

### Picture Setting

#### TV Aspect



This sets the screen size (4:3 or 16:9 aspect ratio) according to the connected TV.



#### 4 x 3 Letterbox:



Choose this setting if you would prefer to see movies in their original aspect ratio. You will see the entire frame of the movie, but it will occupy a smaller portion of the screen. This setting may result in the movie appearing with black bars at the top and bottom of the screen.

#### 4 x 3 Pan Scan:



Choose this setting if you want the movie to fill the entire screen of your TV. You won't see part of the picture (particularly the right and left edge). Some disc produced in a wide screen format can't be cropped in this fashion, which means the black bars would appear at the top and bottom of the screen.

#### 16 x 9 Widescreen:



#### Notes

- The displayable picture size is preset on each DVD-Video. Therefore, the playback picture of some DVD-Video may not conform to the picture size you select.
- When you play a DVD-Video recorded in the 4:3 picture size only, the playback picture always appears in the 4:3 picture size regardless of the TV shape setting.
- If you select "16:9 Widescreen" and you own a 4:3 TV set, the DVD playback picture will be horizontally distorted during playback. Images will appear to be horizontally compressed. Make sure the TV Shape conforms to the actual TV in use.



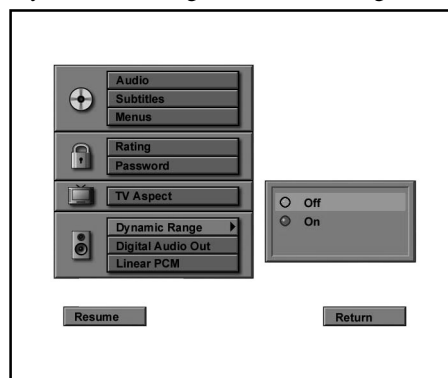
## Audio output setting

### Audio Setting

#### Dynamic Range



Dynamic Range setting allows you to "compress" the dynamic range of a DVD's sound track, so that you can lower the volume without losing extremely soft signals. This is especially useful when you are watching a movie late at night.



**Off:** Full dynamic range is maintained.

**On:** Dynamic range is reduced.

#### Notes

- This function works only during playback of Dolby Digital recorded discs.
- The level of Dynamic Range Reduction may differ depending on the DVD.

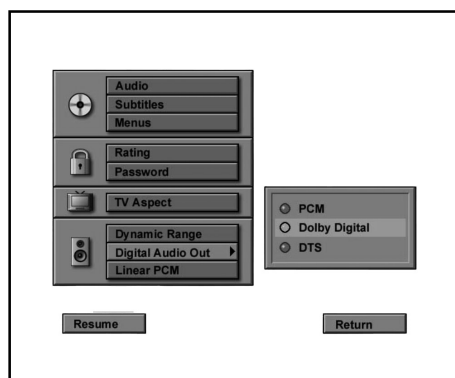
# Customizing the Settings

## Audio Setting (continued)

### Digital Audio Out



This sets the type of audio output from the digital audio output jack.



**PCM:** Select when connected to a 2 channel digital stereo amplifier (see page 16).

The DVD Changer outputs sounds in the PCM format when you play a DVD-Video disc recorded on the Dolby Digital.

The DVD Changer does not output sounds in the PCM format when you play a DVD-Video disc recorded on the DTS recording system.

**Dolby Digital:** Select when you connected to an amplifier equipped with a Dolby Digital decoder (see page 16).

The DVD Changer outputs digital audio information in the Dolby Digital format when you play a DVD-Video recorded in the Dolby Digital recording system.

The DVD Changer does not output sounds in the PCM format when you play a DVD-Video disc recorded on the DTS recording system.

**DTS:** Select when you connected to an amplifier equipped with a DTS decoder (see page 16).  
The DVD Changer outputs digital audio information in the DTS format when you play a DVD-Video recorded in the DTS recording system.  
The DVD Changer outputs sounds in the Dolby Digital format when you play a DVD-Video disc recorded on the Dolby Digital recording system.

#### Dolby Digital and DTS

The 5.1-channel digital surround format of DOLBY DIGITAL/DTS enables you to individually play five full-range (20 Hz-20 kHz) channels (left and right front, center, two surround channels) plus an LFE (Low Frequency Effect) channel for the low-range effect sound. It will create a realistic sound as heard in theaters and concert halls.

### DOLBY DIGITAL Surround

DVD Video that have the mark are recorded using this system.

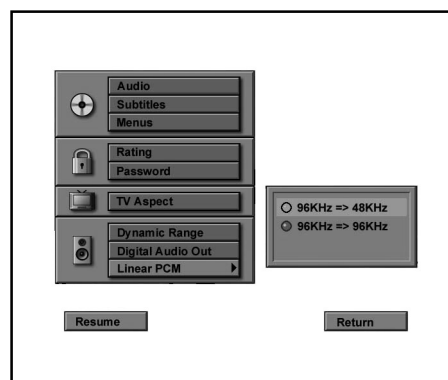
### DTS Surround

DVD Video and CD that have the mark are recorded using this system.

#### Important: DTS information

If you set the Digital Audio Out setting to DTS, you must have your DVD Changer connected to a receiver or decoder with the DTS feature and the disc you play must support the DTS audio format. If you choose DTS and your receiver, decoder or disc doesn't support DTS, you won't hear any audio when you play the disc.

### Linear PCM



**96KHz => 48KHz:** Even in case of 96 kHz digital signal, the DVD Changer will deliver 48 kHz signal out.

**96KHz => 96KHz:** In case of 96 kHz digital signal, the DVD Changer will deliver 96 kHz signal out. In this case, your receiver should control 96 kHz signal.

# Table of Languages

**Table of Languages and Their Code No.**

Code No.	Language
6566	Abkhazian
6565	Afar
6570	Afrikaans
8381	Albanian
6577	Ameharic
6582	Arabic
7289	Armenian
6583	Assamese
6588	Aymara
6590	Azerbaijani
6665	Bashkir
6985	Basque
6678	Bengali; Bangla
6890	Bhutani
6672	Bihari
6673	Bislama
6682	Breton
6671	Bulgarian
7789	Burmese
6669	Byelorussian
7577	Cambodian
6765	Catalan
9072	Chinese
6779	Corsican
7282	Croatian
6783	Czech
6865	Danish
7876	Dutch
6978	English
6979	Esperanto
6984	Estonian
7079	Faroese
7074	Fiji
7073	Finnish
7082	French
7089	Frisian
7176	Galician
7565	Georgian
6869	German
6976	Greek
7576	Greenlandic
7178	Guarani
7185	Gujarati
7265	Hausa
7387	Hebrew
7273	Hindi

Code No.	Language
7285	Hungarian
7383	Icelandic
7378	Indonesian
7365	Interlingua
7369	Interlingue
7375	Iunpiak
7165	Irish
7384	Italian
7465	Japanese
7487	Javanese
7578	Kannada
7583	Kashmiri
7575	Kazakh
8287	Kinyarwanda
7589	Kirghiz
8278	Kirundi
7579	Korean
7585	Kurdish
7679	Laothian
7665	Latin
7686	Latvian, Lettish
7678	Lingala
7684	Lithuanian
7775	Macedonian
7771	Malagasy
7783	Malay
7776	Malayalam
7784	Maltese
7773	Maori
7782	Marathi
7779	Moldavian
7778	Mongolian
7865	Naru
7869	Nepali
7879	Norwegian
7967	Occitan
7982	Oriya
7977	Oromo (Afan)
8065	Panjabi
8083	Pashto, Pushto
7065	Persian
8076	Polish
8084	Portuguese
8185	Quechua
8277	Rhaero-Romance
8279	Romanian

Code No.	Language
8285	Russian
8377	Samoa
8371	Sangho
8365	Sanskrit
7168	Scots Gaelic
8382	Serbian
8372	Servo-Groatian
8384	Sesotho
8478	Setswana
8378	Shona
8368	Sindhi
8373	Singhalese
8383	Siswati
8375	Slovak
8376	Slovenian
8379	Somali
6983	Spanish
8385	Sundanese
8387	Swahili
8386	Swedish
8476	Tagalog
8471	Tajik
8465	Tamil
8484	Tatar
8469	Telugu
8472	Thai
6679	Tibetan
8473	Tigrinya
8479	Tonga
8483	Tsonga
8482	Turkish
8475	Turkmen
8487	Twi
8575	Ukrainian
8582	Urdu
8590	Uzbek
8673	Vietnamese
8679	Volapuk
6789	Welsh
8779	Wolof
8872	Xhosa
7473	Yiddish
8979	Yoruba
9085	Zulu

# Troubleshooting

Check the following guide for the possible cause of a problem before contacting service. Refer also to the respective instruction manuals of the connected components and TV.

	Symptoms	Causes	Remedies	Pages
DVD Changer	The DVD Changer doesn't switch on.	<ul style="list-style-type: none"> <li>The power cord is disconnected.</li> <li>The main power is set to OFF.</li> <li>There is external noise in the computer circuits of the DVD Changer.</li> <li>The AC fuse is blown.</li> </ul>	<ul style="list-style-type: none"> <li>Check the connection of the power cord.</li> <li>Turn on the main power.</li> <li>Switch off the main power, then switch it on again. If not recovered, disconnect the power cord, then connect it again.</li> <li>Contact your Integra/Onkyo authorized service station.</li> </ul>	17 17 17 –
	The DVD Changer doesn't start playback.	<ul style="list-style-type: none"> <li>No disc is inserted.</li> <li>The region number of the disc does not match that of the DVD Changer.</li> <li>An unplayable disc is inserted.</li> <li>The disc is placed upside down.</li> <li>The disc is not placed within the disc tray guide.</li> <li>The disc is dirty.</li> <li>The parental lock function is activated.</li> </ul>	<ul style="list-style-type: none"> <li>Insert a disc. (Check that "DVD," "VCD," or "CD" is lit in the DVD Changer's display).</li> <li>See "1. Regional Restriction Codes (Region Number)" on page 4.</li> <li>Check the playable discs.</li> <li>Place the disc with the playback side down.</li> <li>Place the disc within the proper guide on the disc tray.</li> <li>Eject the disc and clean it.</li> <li>Deactivate the parental lock function or change the parental lock level.</li> </ul>	18 4 6 18 18 7 32
	Brightness is unstable or noise is visible on the playback picture.	<ul style="list-style-type: none"> <li>Copy protection is activated.</li> </ul>	<ul style="list-style-type: none"> <li>Connect the DVD Changer directly to the TV. Avoid connecting the DVD Changer to the TV through a VCR.</li> </ul>	14
	The playback picture is occasionally distorted.	<ul style="list-style-type: none"> <li>The disc is dirty.</li> <li>It is in fast forward or fast reverse playback.</li> </ul>	<ul style="list-style-type: none"> <li>Eject the disc and clean it.</li> <li>Sometimes a small amount of picture distortion may appear. This is not a malfunction.</li> </ul>	7 –
	Playback doesn't follow the course of the disc's programs.	<ul style="list-style-type: none"> <li>The DVD Changer is in repeat playback mode, memory playback mode, or random playback mode, etc.</li> </ul>	<ul style="list-style-type: none"> <li>Resume normal playback.</li> </ul>	18
	The picture from the DVD Changer doesn't appear on the TV screen.	<ul style="list-style-type: none"> <li>The TV is not set to receive the output signals from the DVD Changer.</li> <li>The DVD Changer is not properly connected.</li> </ul>	<ul style="list-style-type: none"> <li>Set the TV to the DVD Changer's input.</li> <li>Check the connections to the DVD Changer.</li> </ul>	– 14, 15
	No sound or inaccurate sound is reproduced.	<ul style="list-style-type: none"> <li>A wrong sound signal conversion method (Digital Audio Out) is selected.</li> <li>The TV is not set to receive the output signals from the DVD Changer.</li> <li>The DVD Changer is not properly connected.</li> </ul>	<ul style="list-style-type: none"> <li>Check the current sound signal conversion method, and select the right setting for "Digital Audio Out".</li> <li>Set the TV to the DVD Changer's input.</li> <li>Check the connections to the DVD Changer.</li> </ul>	35 – 14-16
	DVD disc cannot be played.	<ul style="list-style-type: none"> <li>DVD disc cannot be played when the DVD Changer is set to CD Play mode.</li> </ul>	<ul style="list-style-type: none"> <li>Press CD Play .</li> </ul>	26
	The buttons on the remote controller and DVD Changer do not operate.	<ul style="list-style-type: none"> <li>Power supply fluctuations or other abnormalities such as static electricity may interrupt correct operation.</li> </ul>	<ul style="list-style-type: none"> <li>Switch off the main power, then switch it on again. If not recovered, disconnect the power cord, then connect it again.</li> </ul>	17
Remote Controller	The buttons on the DVD Changer operate but the buttons on the remote controller do not operate.	<ul style="list-style-type: none"> <li>No batteries are inserted in the remote controller.</li> <li>The batteries are worn out.</li> <li>The remote controller is not pointed at the remote sensor of the DVD Changer.</li> <li>The remote controller is too far from the DVD Changer.</li> </ul>	<ul style="list-style-type: none"> <li>Insert new batteries.</li> <li>Replace with new batteries.</li> <li>Point the remote controller at the remote sensor of the DVD Changer.</li> <li>Operate the remote controller within 5 m (16 feet).</li> </ul>	9 9 9 9

Because the unit contains a microcomputer to provide advanced functions, it may malfunction due to external noise or static electricity. If this happens, press the Power switch on the DVD Changer and then press it again after about five seconds.

# Specifications

## ■ DVD Changer

Power supply	AC 120 V, 60 Hz
Power consumption	20 W
Weight	15.0 lbs
External dimensions	17 <sup>1</sup> / <sub>8</sub> " x 5 <sup>1</sup> / <sub>16</sub> " x 16 <sup>15</sup> / <sub>16</sub> " (W/H/D)
Signal system	NTSC
Frequency range (digital audio)	48 kHz sampling 4 Hz to 22 kHz 96 kHz sampling 4 Hz to 42 kHz
Signal-to-noise ratio (digital audio)	More than 98 dB
Audio dynamic range (digital audio)	More than 95 dB
Harmonic distortion (digital audio)	Less than 0.005 %
Wow and flutter	Below measurable level
Operating conditions	Temperature: 41°F to 95°F, Operation status: Horizontal

## ■ Outputs

Video output	1.0 V (p-p), 75 $\Omega$ , negative sync., pin jack $\times$ 1
S-video output	(Y) 1.0 V (p-p), 75 $\Omega$ , negative sync. (C) 0.286 V (p-p), 75 $\Omega$ , Mini DIN 4-pin $\times$ 1
Component video output	(Y) 1.0 V (p-p), 75 $\Omega$ , negative sync., pin jack $\times$ 1 (P <sub>B</sub> )/(P <sub>R</sub> ) 0.7 V (p-p), 75 $\Omega$ , pin jack $\times$ 2
Audio output (digital output Optical)	Optical connector $\times$ 1
Audio output (digital output Coaxial)	0.5 V (p-p), 75 $\Omega$ , pin jack $\times$ 1
Audio output (analog output)	2.0 V (rms), 320 $\Omega$ , pin jack (L, R) $\times$ 2

Specifications and features are subject to change without notice.

**Memo**



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