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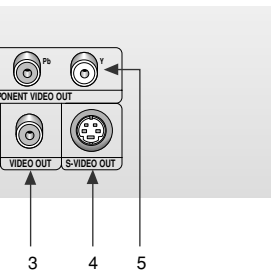
following types of discs with the corresponding

| Max. Playing Time | Characteristics |
|--|--|
| Single-sided 240 min. Double-sided 480 min. | • DVD contains excellent sound and video due to Dolby Digital and MPEG-2 system. |
| Single-sided 80 min. Double-sided 160 min. | • Various screen and audio functions can be easily selected through the on-screen menu. |
| 74 min. | • Video with CD sound, VHS quality & MPEG-1 compression technology. |
| 20 min. | |
| 74 min. | • CD is recorded as a Digital Signal with better audio quality, less distortion and less deterioration of audio quality over time. |
| 20 min. | |

Play Region Number

Both the DVD player and the discs are coded by region. These regional codes must match in order for the disc to play. If the codes do not match, the disc will not play.

The Region Number for this player is described on the rear panel of the player.



5. COMPONENT VIDEO OUT JACKS

- Use these jacks if you have a TV with Component Video in jacks. These jacks provide Pr, Pb and Y video. Along with S-Video, Component Video provides the best picture quality.
- If Component(P-SCAN) Video Output is selected in Setup Menu, progressive scan mode will work.
- If Component(I-SCAN) Video Output is selected in Setup Menu, interlaced scan mode will work.



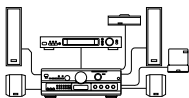
Important Note

- Consult your TV User's Manual to find out if your TV supports Progressive Scan. If Progressive Scan is supported, follow the TV User's Manual's instructions regarding Progressive Scan settings in the TV's menu system.
- If Component(P-SCAN) Video Output is selected in Setup Menu, Video and S-Video will not work.
- See page 28 to get more information on how to use the Setup Menu.

commonly used to connect the DVD player with a TV

ponents before you connect or disconnect any cables.
ponents you are connecting for more information on those

Method 2



Dolby Digital Decoder
Digital Audio Input Jack



Digital Audio Out



7. Step Motion Play (Except CD)

Press the STEP button on the remote during play.

- Each time the button is pressed, a new frame will appear.
- No sound is heard during STEP mode.
- Press the PLAY/PAUSE (▶||) to resume normal play.
(You can only perform step motion play in the forward direction.)

8. Slow Motion Play (Except CD)

Press and hold the ▶ button to choose the play speed between 1/8, 1/4 and 1/2 of normal during PAUSE or STEP mode.

- No sound is heard during slow mode.
- Press the PLAY/PAUSE (▶||) to resume normal play.
- Reverse slow motion play will not work.

RESUME function

When you stop disc play, the player remembers where you stopped, so when you press the PLAY (▶||) again, it will pick up where you left off. (unless the disc is removed or the player is unplugged, or if you press the STOP (■) button twice.)



Note

- If the player is left for 5 minutes in pause mode, it will stop.
- If the player is left in the stop mode for more than 30 minutes, the power will automatically shut off. (Automatic Power-Off Function)
- If the player is left in the stop mode for more than one minute without any user interaction, a screen saver will be activated. Press the PLAY (▶||) button to resume normal play.
- This ⓪ icon indicates an invalid button press.



Using the Disc and Title Menu

Using the Disc Menu

1. During the playback of a DVD disc, press the MENU button on the remote.
2. Select **Disc Menu** using the UP/DOWN buttons, then press the RIGHT or ENTER button.



Using the Title Menu

1. During the playback of a DVD disc, press the MENU button on the remote.
2. Select **Title Menu** using the UP/DOWN buttons, then press the RIGHT or ENTER button.



Note

- Depending on the disc, the Title and Disc Menus may not work.
- Title Menu will only be displayed if there are at least two titles in the disc.
- You can also use the Disc Menu, using the DISC MENU button on the remote.
- In VCD 2.0, the DISC MENU button is used to select Menu On or Menu Off mode.

Slow Repeat play

This feature allows you slowly to repeat scenes containing sports, dancing, musical instruments being played etc. so you can study them more closely.

When playing a DVD/VCD

1. During play, press the PLAY/PAUSE (►||) button.
2. Press and hold the ► button to choose the play speed between 1/8, 1/4, and 1/2 of normal during PAUSE or STEP mode.
3. Press the REPEAT A-B button to select the point where the function starts. (A)
4. Press the REPEAT A-B button to select the point where the function ends. (B)

Note

- The disc will play from A to B repeatedly at the speed you chose.
- To terminate the function, press the CLEAR or REPEAT A-B button again.
- A-B REPEAT does not allow you to set point (B) until at least 5 seconds has elapsed after point (A) has been set.
- When in VCD 2.0 mode (MENU ON mode), this function does not work. (See page 12)

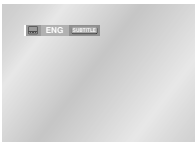


Selecting the Subtitle Language

You can select a desired subtitle quickly and easily with the SUBTITLE button.

Using the SUBTITLE button

1. Press the SUBTITLE button.
2. The subtitle changes when the button is pressed repeatedly.
3. To turn off the display, press the CLEAR or RETURN button.
 - Initially, the subtitle will not appear on screen.
 - The subtitle languages are represented by abbreviations.



Note

- This function depends on what languages are encoded on the disc and may not work with all DVDs.
- A DVD disc can contain up to 32 subtitle languages.
- **How to have the same subtitle language come up whenever you play a DVD;**
Refer to "Setting Up the Language Features" on page 25.



Recalling a Marked Scene

1. During play, press the MENU button on the remote and select the **Bookmark**.
2. Use the LEFT/RIGHT buttons to select a marked scene.
3. Press the PLAY/PAUSE (►||) buttons to skip to the marked scene.



Clearing a Bookmark

1. During play, press the MENU button on the remote and select the **Bookmark**.
2. Use the LEFT/RIGHT buttons to select the bookmark number you want to delete.
3. Press the CLEAR button to delete a bookmark number.



Note

- Up to three scenes may be marked at a time.
- When in VCD 2.0 mode (MENU ON mode), this function does not work. (See page 12)
- Depending on the disc, the Bookmark function may not work.



MP3/WMA Play

1. Open the disc tray.
2. Place the disc on the tray.
 - Place the disc with the labeled side up.
3. Close the tray.
 - The tray closes and you should get a screen that looks like the one below.

MP3/WMA Play Function

1. Select the desired folder.
2. Use the UP/DOWN or LEFT/RIGHT buttons to select a song file.
3. Press ENTER to begin playback of the song file.



Repeat/Random playback

Press the REPEAT button to change playback mode. There are 4 modes, Off, Track, Folder and Random.

- Off : Normal Playback
- Track : Repeats the current song file.
- Folder : Repeats the song files which have the same extension in the current folder.
- Random : Song files which have the same extension will be played in random order.

* To resume normal play, press the CLEAR button.

Using the Setup Menu

The Setup menu lets you customize your DVD player by allowing you to select various language preferences, set up a parental level, even adjust the player to the type of television screen you have.

1. With the unit in Stop mode, press the MENU button on the remote. Select **Setup** using UP/DOWN buttons, then press the RIGHT or ENTER button.

❶ **Language Setup** : Setup of the Language.

❷ **Audio Setup** : Setup of the Audio Options

❸ **Display Setup** : Setup of the Display Options
Use to select which type of screen you want to watch and several display options.

❹ **Parental Setup** : Setup of the Parental Level
Allows users to set the level necessary to prevent children from viewing unsuitable movies such as those with violence, adult subject matter, etc.



2. Use the UP/DOWN buttons on the remote to access the different features.
3. Press the ENTER or RIGHT button to access the sub features.

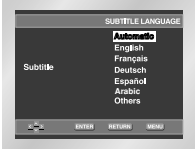
To make the setup screen disappear after setting up, press the MENU button again.

Note

Depending on the disc, some Setup Menu selections may not work.

Using the Subtitle Language

1. With the unit in Stop mode, press the MENU button.
2. Select **Setup** using UP/DOWN buttons, then RIGHT or ENTER button.
3. Select **Language Setup** using UP/DOWN buttons, then press the RIGHT or ENTER button.
4. Select **Subtitle** using UP/DOWN buttons, then press the RIGHT or ENTER button.
5. Use the UP/DOWN buttons to select '**English**'.
 - Select "Automatic" if you want the subtitle language to be the same as the language selected as the audio preference.
 - Select "Others" if the language you want is not listed. Some discs may not contain the language you select as your initial language; in that case the disc will use its original language setting.



6. Press the ENTER button.
 - English is selected and the screen returns to SETUP menu.

Note

- If the selected language is not recorded on the disc, the original pre-recorded language is selected.
- **How to make the SETUP menu disappear or return to menu screen during set up;**
Press RETURN or LEFT button.

2 Still Mode

- These options will help prevent picture shake in still mode and display small text clearer.
- 1. Auto : When selecting Auto, Field/Frame mode will be automatically converted.
 - 2. Field : Select this feature when the screen shakes in the Auto mode.
 - 3. Frame : Select this feature when you want to see small letters more clearly in the Auto mode.

3 Screen Messages

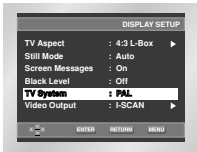
Use to turn on-screen messages On or Off.

4 Black Level

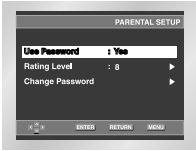
Adjusts the brightness of the screen.(On/Off)

5 TV System

- 1. NTSC Disc : In case of using NTSC disc
 - If your TV system only has PAL-Video input you must choose "PAL". When you choose "PAL", Interlace output format is PAL 60 Hz output.
 - If your TV system only has NTSC, input you must choose "NTSC Output".
- 2. PAL Disc : In case of using PAL disc
 - If your TV system only has NTSC-Video input, you must choose "NTSC Output".
 - If your TV system only has PAL input, you must choose "PAL Output".



5. Select **Rating Level** using UP/DOWN buttons, and press ENTER or RIGHT button.



6. Select Rating Level you want using UP/DOWN buttons. For example, if you select up to Level 6, discs that contain Level 7, 8 will not play.
- To cancel the Rating Level, select No using RIGHT or ENTER in Use Password.

e.g) Setting up in LEVEL6.



About the Change Password;

- Highlight **Change Password** using UP/DOWN buttons.
 - Press ENTER button.
- The **Change Password** screen appears.
- Enter your new password. Enter the new password again.

Note

- **How to make the SETUP menu disappear or return to menu screen during set up;**
Press RETURN or LEFT button.
- If you have forgotten your password, see Forgot Password in the Troubleshooting Guide.

| |
|--|
| AC 110~240 V, 50/60 Hz |
| 2 W |
| 8 Kg |
| 30mm (W) X 207mm (D) X 46mm (H) |
| 5°C to +35°C |
| 0 % to 75 % |
| Reading Speed : 3.49 m/sec. approx. Play Time Single Sided, Single Layer Disc : 135 min. |
| Reading Speed : 4.8 ~ 5.6 m/sec. Maximum Play Time : 74 min. |
| Reading Speed : 4.8 ~ 5.6 m/sec. Maximum Play Time : 20 min. |
| Reading Speed : 4.8 ~ 5.6 m/sec. Maximum Play Time : 74 min. (Video + Audio) |
| Channel : 1.0 Vp-p (75 Ω load) |
| : 1.0 Vp-p (75 Ω load) |
| : 0.70 Vp-p (75 Ω load) |
| : 0.70 Vp-p (75 Ω load) |
| Luminance Signal : 1.0 Vp-p (75 Ω load) |
| Chrominance Signal : 0.3 Vp-p (75 Ω load) |
| 1(L), R(2/R) |
| 3 kHz Sampling : 4 Hz to 22 kHz |
| 3 kHz Sampling : 4 Hz to 44 kHz |
| 0 dB |
| 00 dB |
| 004 % |

Nominal specification

Do not change the specifications without notice.

