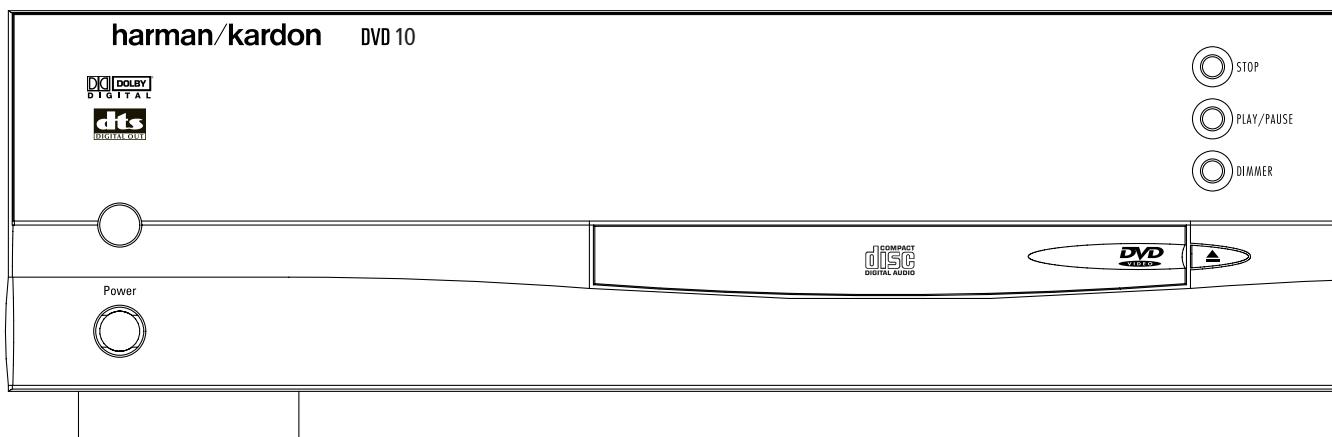


# DVD10 Digital Versatile Disc Player

USER'S MANUAL



**harman/kardon®**

Power for the digital revolution.™

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## Safety information

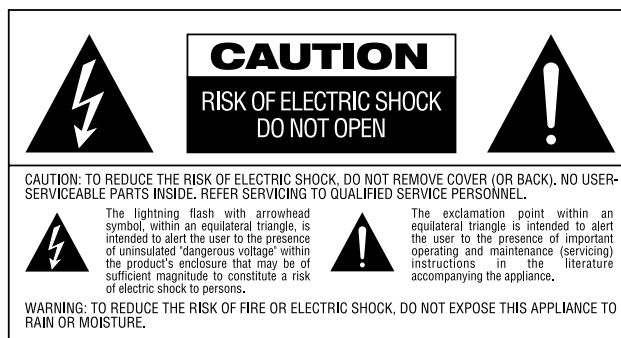
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**Note:** This unit can be used only where the power supply is AC 220-240V, 50Hz. It cannot be used elsewhere.

### CAUTION:

DVD/CD PLAYER IS A CLASS I LASER PRODUCT. HOWEVER, THIS DVD/CD PLAYER USES A INVISIBLE LASER BEAM WHICH COULD CAUSE HAZARDOUS RADIATION EXPOSURE IF AIMED AT THE EYE. BE SURE TO OPERATE THE DVD/CD PLAYER CORRECTLY AS INSTRUCTED.

WHEN THIS DVD/CD PLAYER IS PLUGGED IN TO THE WALL OUTLET, DO NOT PLACE YOUR EYES CLOSE TO THE OPENING OF THE DISC TRAY AND OTHER OPENINGS TO LOOK INSIDE THIS PLAYER



### Dear Customers

May we take this opportunity to thank you for purchasing this DVD/CD player.

We strongly recommend that you carefully study the Operating Instructions before attempting to operate the unit and that you note the listed precautions.

The model number and serial number of this product can be found on either the back or the bottom of the unit. Please note them in the space provided below and retain this booklet as a permanent record of your purchase to aid identification in the event of theft.

**MODEL NUMBER**

---

**SERIAL NUMBER**

---

## Features

**DVD:** a completely new dimension in video entertainment

- Subtitles may be displayed in one of a maximum of 32 languages\*.
- The multi-angle function allows you to choose the viewing angle of scenes which were shot from a number of different angles (Limited to DVD recorded with multiple camera angles.)
- Advanced sophisticated 10-bit MPEG-2 video decoding circuits.
- Direct RGB output via SCART for optimum video performance.
- Second SCART connector for throughput of VCR or other video source to TVs with only one SCART input.
- Dual-layer compatibility for extended play DVD.

\* *The number of languages recorded depends on the software.*

## High quality digital audio

- By connecting a DTS (Digital Theater Systems) or a Dolby Digital decoder, you can enjoy high quality 5.1 digital surround sound from DTS or Dolby Digital discs.
- With linear PCM audio at 16-24 bits and 44-96 kHz (not on digital output, see table page 13), audio quality exceeding that of CD becomes possible.

## Many convenient features

- On-Screen Menu Icons for disc information or player information and access to many major functions of this unit.
- Programming of up to 9 scenes in memory (markers)
- Parental lock settings to prevent play of discs unsuitable for some audiences [DVD only]
- Intuitive menu operating system.
- Separate Buttons for convenient Fast Forward/Fast Reverse Search and Track Skip.

## Compatible with CD as well as DVD.

- The DVD10 will play any conventional Audio CD or erasable CD (CD-RW), bearing the logos as shown below as well as any DVD with the region code 0 or 2.

## Disc formats supported by this player

The unit can play discs bearing any of the following marks:



### DVD

3" (8 cm) disc  
5" (12 cm) disc

### CD

3" (8 cm) disc  
5" (12 cm) disc

### CD-RW

5" (12 cm) disc

## Accessories

Remote control unit

Batteries for remote control unit (size "AA")

Video/Audio Cable

## Optional Accessories

S-Video Cable

Optical Digital Audio Cable

Coaxial Digital Audio Cable

## Declaration of Conformity



We, Harman Consumer International  
2, route de Tours  
72500 Château-du-Loir,  
FRANCE

declare in own responsibility, that the product described in this owner's manual is in compliance with technical standards:

EN 60 065:1993

EN 55 013/A12/8.1994

EN 55 020/12.1994

EN 61000-3-2/4.1995

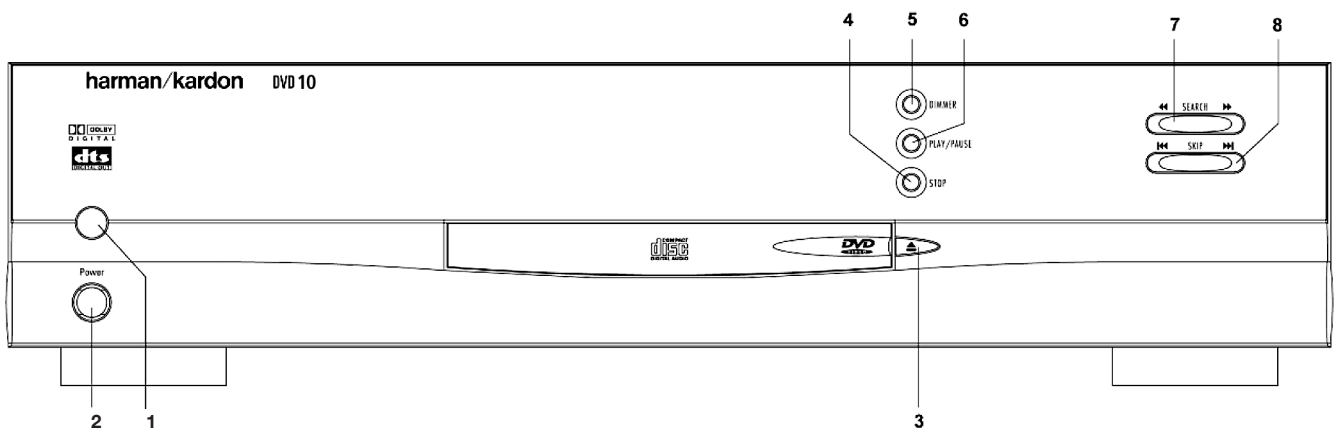
EN 61000-3-3/1.1995



Carsten Olesen  
Harman Kardon Europe  
01/01

## Front Panel

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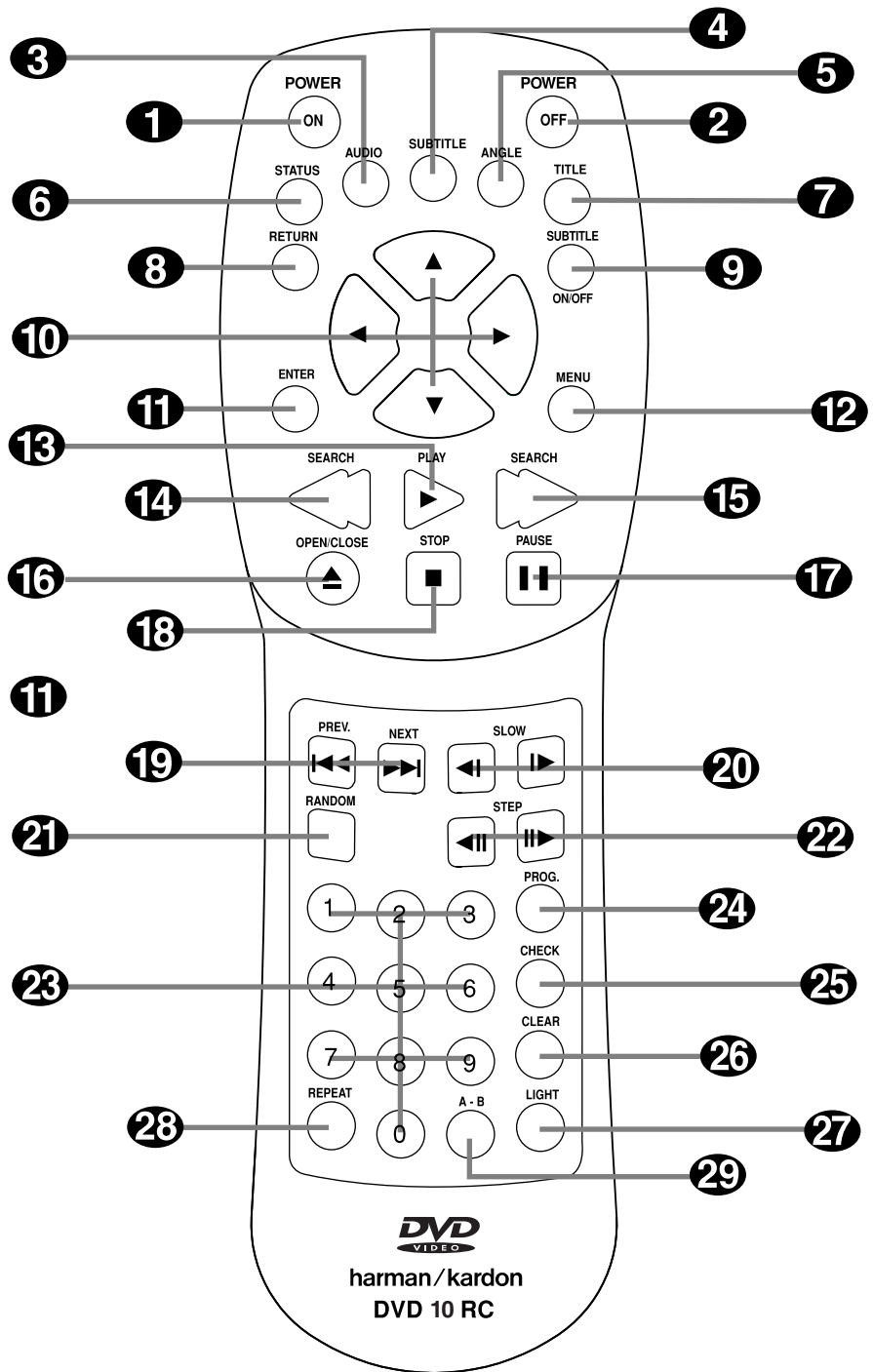
- 1. MAIN POWER ON/OFF
- 2. POWER ON/OFF (Standby)
- 3. OPEN/CLOSE
- 4. STOP

- 5. DIMMER
- 6. PLAY/PAUSE
- 7. SEARCH (REV & FWD)
- 8. SKIP (PREV & NEXT)



# Remote Control

1. POWER ON
2. POWER OFF
3. AUDIO
4. SUBTITLE
5. ANGLE
6. STATUS
7. TITLE
8. RETURN
9. SUBTITLE ON/OFF
10. ARROWS
11. ENTER
12. MENU
13. PLAY
14. SEARCH (REV)
15. SEARCH (FWD)
16. OPEN/CLOSE
17. PAUSE
18. STOP
19. PREV./NEXT
20. SLOW (REV/FWD)
21. RANDOM
22. STEP (REV/FWD)
23. NUMBER
24. PROGRAM
25. CHECK
26. CLEAR
27. LIGHT
28. REPEAT
29. A-B-Repeat

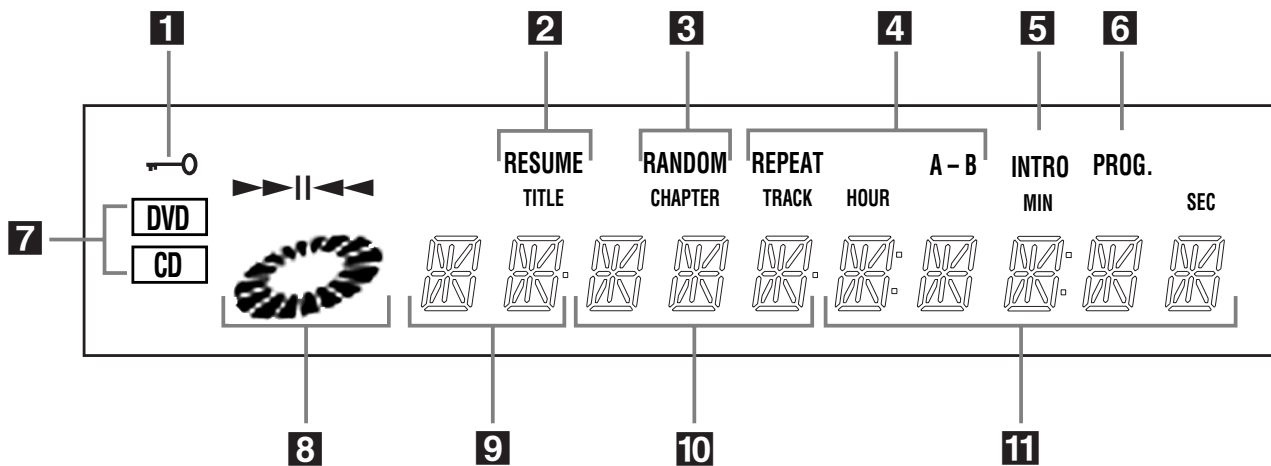


## Remote Control

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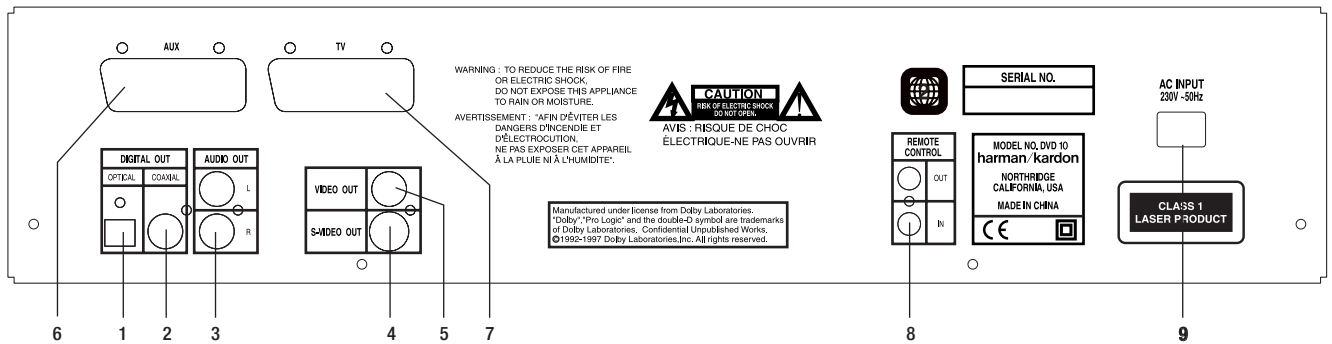
- 1. POWER ON:** Turns on the player when it is in standby mode (Harman Kardon logo appears on screen).
- 2. POWER OFF:** Turns off the player to standby mode.
- 3. AUDIO:** Press to access various audio languages on a disc (If the disc contains multiple audio streams).
- 4. SUBTITLE:** When a disc is playing, press to access subtitles menu (If the disc contains subtitles).
- 5. ANGLE:** Press to access various camera angles on a disc (If the disc contains multiple camera angles).
- 6. STATUS:** Press while playing a disc to see Banner Display on the screen. The Banner Display contains various playback features and information about the disc.
- 7. TITLE:** When a disc is playing, press to see Title Menu on the screen (if the disc was created with Title).
- 8. RETURN:** When using the DVD Player's menu system, press to return to preceding menu screen (depends on DVD title format)
- 9. SUBTITLE ON/OFF:** Turns the subtitles on and off when playing a DVD (If the disc contains subtitles).
- 10. ARROW buttons (LEFT/RIGHT/UP/DOWN):** Use to select and execute items or settings.
- 11. ENTER:** Press to select a highlighted menu item.
- 12. MENU:** Displays the DVD Disc Menu on the TV screen in play mode and Setup Menu in stop mode.
- 13. PLAY:** Begins to play disc (closes disc tray first, if it is open.)
- 14. SEARCH(REV):** Allows you to search in reverse through a disc while it is in play mode. Each time you press this button, search speed changes as below:
  - DVD:**  
R.SEARCH1 → R.SEARCH2 → R.SEARCH3 → R.SEARCH4 → R.SEARCH1 →
  - CD:**  
R.SEARCH1 → R.SEARCH2 → R.SEARCH3 → R.SEARCH1 →
- 15. FWD(SEARCH):** Allows you to search forward through a disc while it is in play mode. Each time you press this button, search speed changes as below:
  - DVD:**  
F.SEARCH1 → F.SEARCH2 → F.SEARCH3 → F.SEARCH4 → F.SEARCH1 →
  - CD:**  
F.SEARCH1 → F.SEARCH2 → F.SEARCH3 → F.SEARCH1 →
- 16. OPEN/CLOSE:** Press to open or close the disc tray.
- 17. PAUSE:** Freezes a picture when a disc is playing. Press again for normal playback.
- 18. STOP:** Stops playing a disc. When disc is playing, if you press STOP and PLAY, the disc will resume play. If you press STOP twice and PLAY button, disc will start play from the beginning.
- 19. PREV./NEXT:** Allows you to move to the previous chapter or track / the next chapter or track on a disc.
- 20. SLOW:** Allows you to play movie in slow mode. Each time you press this button, slow speed will be changed as below;  
F.SLOW 1/16 → F.SLOW 1/8 → F.SLOW 1/4 → F.SLOW 1/2 → F.SLOW 1/16  
  
R.SLOW 1/16 → R.SLOW 1/8 → R.SLOW 1/4 → R.SLOW 1/2 → R.SLOW 1/16
- 21. RANDOM:** Press for RANDOM playback in, random order.
- 22. STEP(REV/FWD):** Freeze a picture when a disc is playing. Also the picture advances frame by frame each time this button is pressed.
- 23. NUMBER (0~9):** Select numbers by pressing these buttons.
- 24. PROG:** Press to see Program Edit Display on the screen when in STOP mode.
- 25. CHECK:** Press during playback to check the program status on VFD (front display). Press during stop mode for program edit on VFD.
- 26. CLEAR:** Press to remove Banner menu from the screen or programmed tracks/chapters from the Program Edit Display.
- 27. LIGHT:** Press to illuminate remote controller.
- 28. REPEAT:** Press to go to the Repeat menu. You can repeat a chapter, track or the entire disc.
- 29. A-B:** Press to select section A-B and to play repeatedly.

## FL Display



1. Illuminates in parental lock mode.
2. Illuminates when the player is ready to resume playback.
3. Illuminates during RANDOM playback.
4. Illuminates during repeat playback.
5. Illuminates during intro scan playback.
6. Illuminates during program playback.
7. Illuminates to indicate type of disc that is playing.
8. Illuminates and spins during search and slow playback & play and pause mode, indicating the play/search speed.
9. Illuminates to indicate current title number.
10. Illuminates to indicate the current chapter of DVD disc or track number of CD.
11. Illuminates to indicate playing time.

## Rear Panel

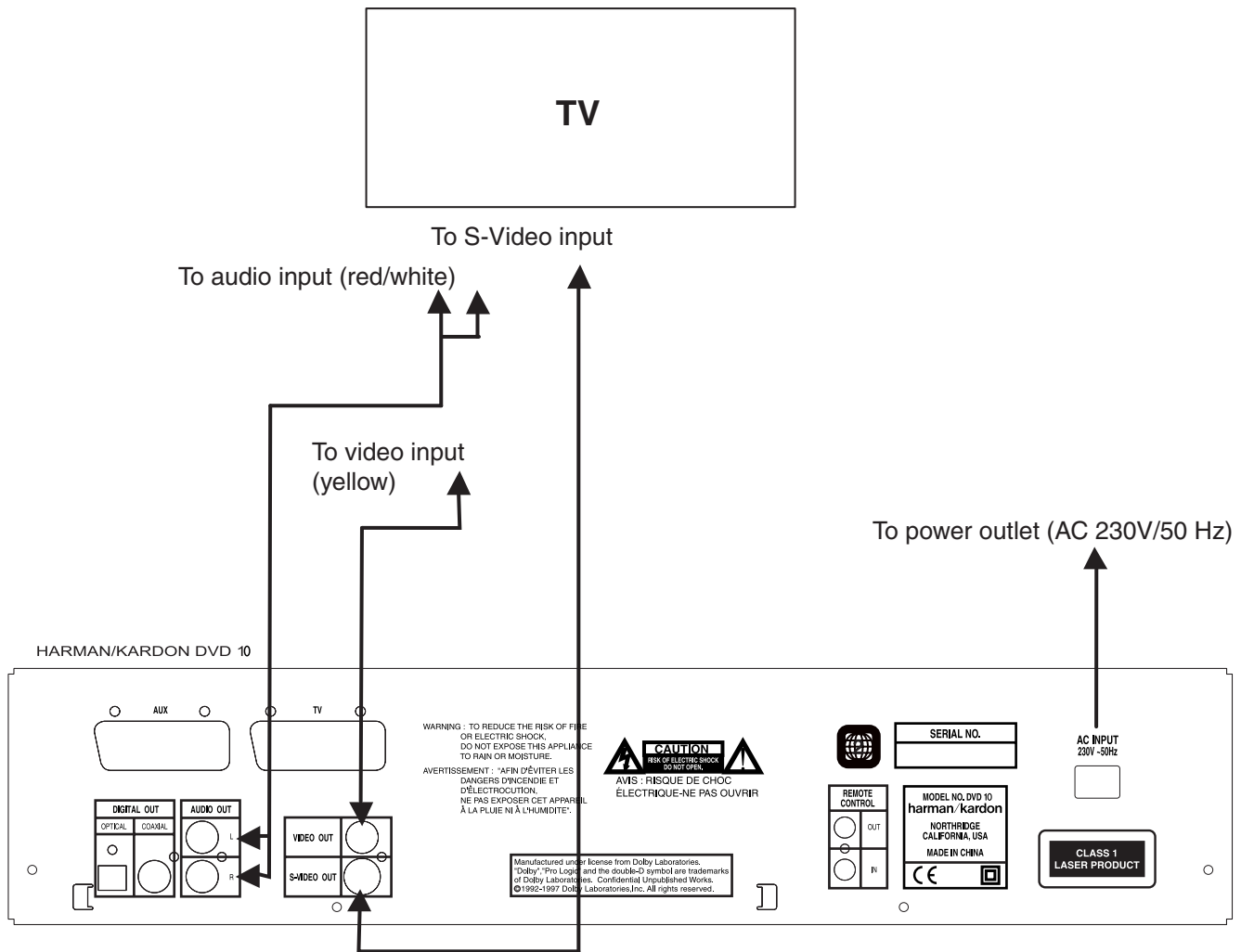


- 1. OPTICAL OUT:** Use optical cable (not provided) to connect your DVD Player to a compatible Dolby Digital or DTS receiver or decoder. Dolby Digital and DTS offer theater-quality sound (5.1-Channels).
  - 2. COAXIAL OUT:** Use coaxial cable (not provided) to connect your DVD Player to a compatible Dolby Digital or DTS receiver or decoder. Dolby Digital and DTS offer theater-quality sound (5.1-Channels).
  - 3. AUDIO OUT:** Insert audio cables (left and right) to these jacks on your DVD Player and to the corresponding Audio Input jacks (left and right) on your TV or receiver.
  - 4. S-VIDEO OUT:** If your TV has an S-Video jack, you can connect an S-Video cable to your TV and to your DVD Player for improved video quality. The S-Video cable only carries the video signal; remember to connect the left and right audio cables.
  - 5. VIDEO OUT:** Connect a video cable to this jack and to the Video Input jack on your TV. The video cable only carries the video signal; remember to connect the left and right audio cables.
  - 6. SCART OUT (AUX):** If an external playback unit has a SCART socket, you can connect a SCART cable to it and to your DVD Player. The SCART cable carries both audio and video signals of the external unit. These signals will be routed through the SCART connector of the DVD to the TV when the DVD player is turned on.
  - 7. SCART OUT (TV):** If your TV has a SCART socket, you can connect a SCART cable to your TV and to your DVD Player for improved video quality. The SCART cable carries both audio and video signal. Your DVD10 is equipped with two SCART connectors, one for direct connection to the TV, the second for throughput of VCR (playback only) or any other playback video source to a TV with only one SCART input.
  - 8. Remote IR Input:** Connect the output of a remote infrared sensor or the remote control output of another compatible Harman Kardon product to this jack. This will enable the remote control to operate even when the front-panel Remote Sensor on the DVD10 is blocked. This jack may also be used with compatible IR remote control based automation systems. Remote IR Output: Connect this jack to the IR input jack of another compatible Harman Kardon remote controlled product to have the built-in Remote Sensor on the DVD10 provide IR signals to other compatible products.
  - 9. AC CORD (230V / 50Hz):** Plug AC Cord to an unswitched 220-240Volt AC outlet.
- Note:** you'll find more details about all Audio/Video connections under Setup and Connections on the following pages.

## Setup and Connections

- Ensure that the power switch of this unit and other equipment to be connected is set to off before commencing connection.
- Do not block ventilation holes of any of the equipment and arrange them so that air can circulate freely.
- Read through the instructions before connecting other equipment.
- Ensure that you observe the color coding when connecting audio and video cables.
- Select the appropriate screen shape at the initial setting "TV Aspect " according to your TV set (4:3 or 16:9), see page 26.

### Connecting to a stereo TV set and stereo or Pro Logic Amplifier/Receiver



#### Note:

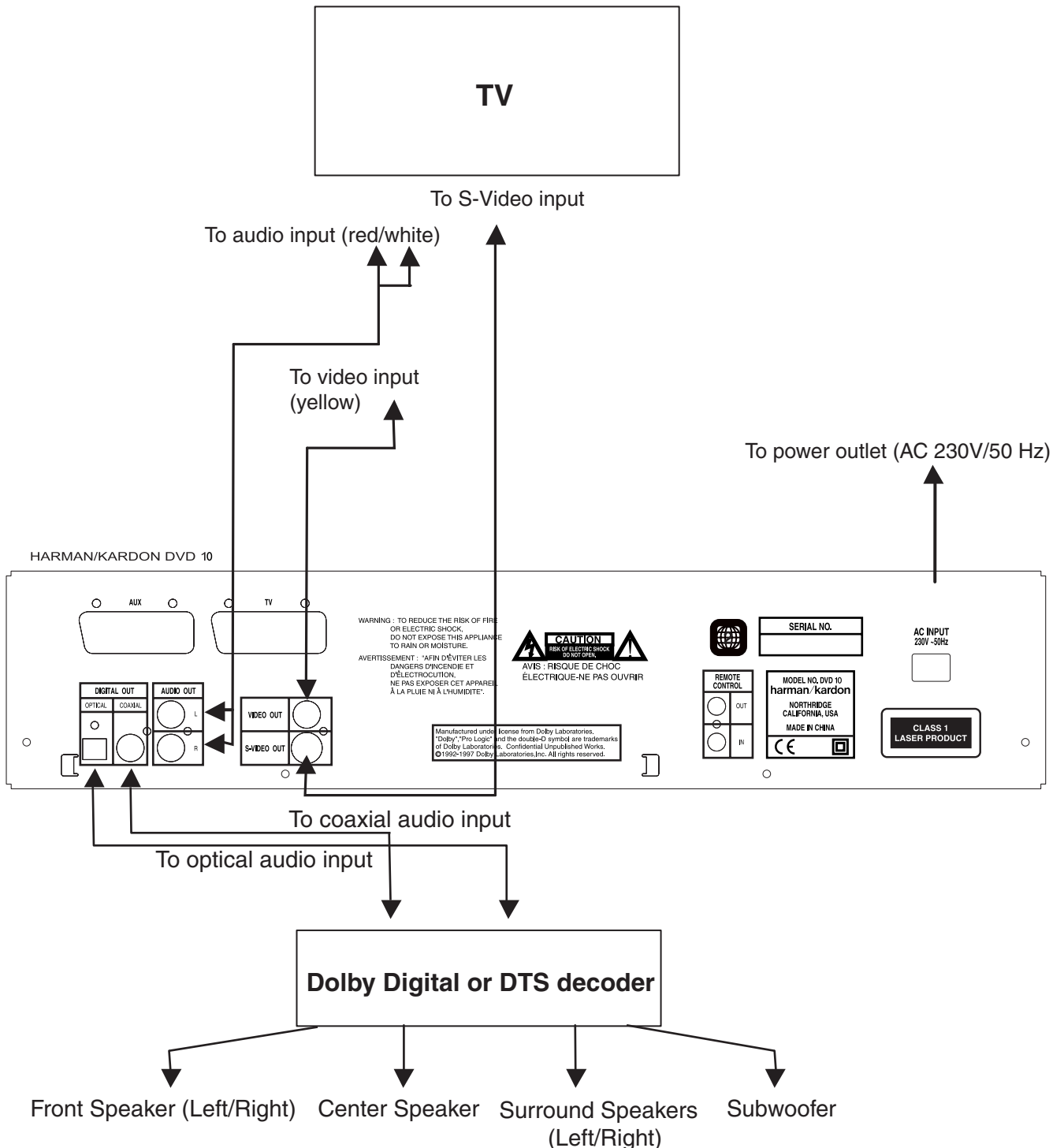
- If the DVD/CD player is connected to the TV through a video cassette recorder, the picture may not be played back normally with some DVDs. If this is the case, do not connect the player via the VCR.
- The S (separate) video output connector separates the color (C) and luminance (Y) signals before transmitting them to the TV set in order to achieve a sharper picture. Use the S-video cable (optional) when connecting the player to a TV set equipped with an S-video input for improved picture clarity.
- Most European TV's are equipped with SCART connectors rather than with a normal video input (yellow cinch). In that case the SCART connection should be used, providing the audio signal too, (see page 8). Use separate analog audio connections to TV only if your TV is connected to the video or S-video output.
- When the audio signal is fed to stereo or Pro Logic amplifiers/decoders or receivers rather than to the TV, connect the Audio Out jacks to any normal audio input on your amplifier/decoder/receiver. The DVD10 will "downmix" Dolby Digital recordings to Pro Logic, available on these connectors, all analog surround or stereo signals will be fed to them directly.

## Setup and Connections

### Connecting to a receiver/amplifier with Dolby Digital (AC-3) or DTS (Digital Theater Systems) decoder

When DVD's encoded in Dolby Digital or DTS are played, the Dolby Digital or DTS bitstream is output from the player's OPTICAL or COAXIAL digital audio output. When the player is connected to a Dolby Digital or DTS decoder, you can enjoy theater-quality audio in your home. An optical digital audio cable or coaxial audio cable (both optional) is required for these connections, as shown below.

- **Note:** With multiple video sources, your Audio/Video device can be used for selecting the video signal and routing it to the TV. Connect the video or S-video output of the DVD10 (whatever is provided with your device) to the video or S-video input on your device and the video/S-video output of this device to your TV. For more details, see the manual of your Audio/Video amplifier/receiver.



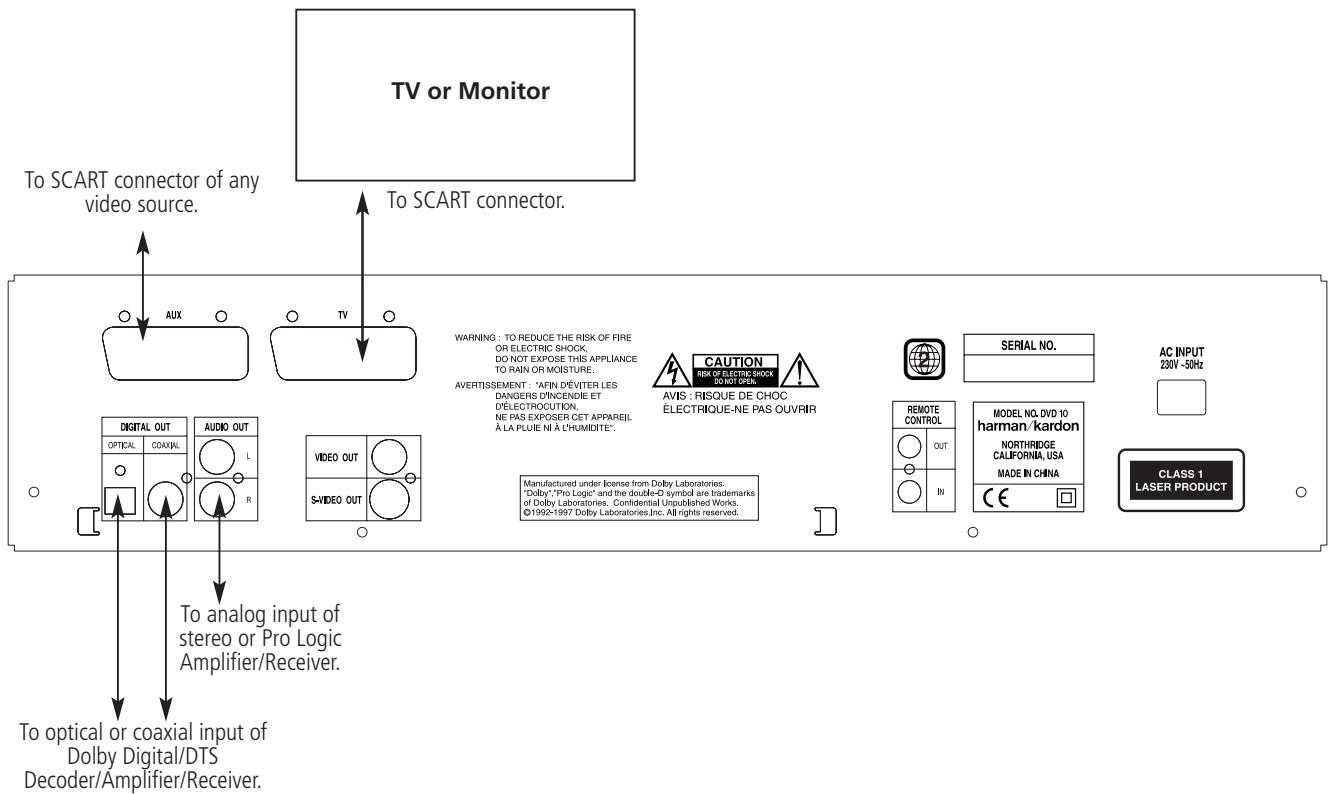
# Setup and Connections

## Connecting to a TV set or monitor with SCART connectors

### Important Notes on SCART and RGB format:

- Your DVD10 is equipped with two SCART connectors, one for direct connection to the TV, the second (AUX) for throughput of VCR or any other video source to a TV with only one SCART input. The signal from this video source will be routed through the SCART connector of the DVD to the TV automatically when the unit plays (composite video only).
- Both SCART connectors provide the video signal as well as audio (stereo L/R) signals.

- The SCART connector for the TV provides the composite video signal as well as the direct RGB signal, delivering the best video performance possible. To view RGB video on your TV, the RGB compatible SCART connector must be used. Configure this connector to RGB (e.g. in the TV's menu), if necessary. Note that with RGB video the colour intensity cannot be adjusted.
- When the RGB video signal is used, DVD's recorded with the NTSC format (with regional code "Zero" ) or 2 can be viewed on Non-NTSC compatible TVs.



## Remote control preparation

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### Battery installation

Insert the batteries while observing the correct (+) and (-) polarities.

### Service life of batteries

- The batteries normally last for about one year, although this depends on how often, and for what operations, the remote control is used.
- If the remote control unit fails to work even when it is operated near the player, replace the batteries.
- Use size "AA" batteries.

#### Notes:

- Do not use rechargeable (Ni-Cd) batteries.
- Do not attempt to recharge, short-circuit, disassemble, heat or throw the batteries into fire.
- Do not drop, step on or otherwise impact the remote control unit. This may damage the parts or lead to malfunction.
- Do not mix old and new batteries.
- If the remote control unit is not going to be used for a long time, remove the batteries. Otherwise, leakage may lead not only to malfunction, but also to skin burn.
- Wipe away any leakage inside the remote control unit, and install new batteries.
- If leakage should come into contact with parts of your body, wash it off thoroughly with water.

### Remote control operation range (see fig. A)

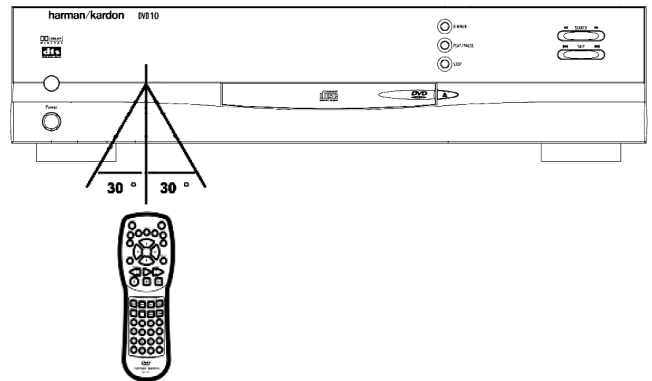
Point the remote control unit from no more than about 7 m from the remote control sensor and within about 60 degrees of the front of the unit.

- The operating distance may vary according to the brightness of the room.

#### Notes:

- Do not point bright lights at the remote control sensor.
- Do not place objects between the remote control unit and the remote control sensor.
- Do not use this remote control unit while simultaneously operating the remote control unit of any other equipment.

Fig A.





## Optional audio connections

### Audio from the optical/coaxial digital audio outputs.

- Remove the dust protection cap from the optical digital audio output and connect the cable firmly so that the configurations of both the cable and the connector match.
- Keep the dust protection cap and always reattach the cap when not using the connector.

### Concerning the audio output from the unit's optical/coaxial digital audio output connector:

Disc:	Sound recording format:	Optical/Coaxial digital audio output
DVD	Dolby Digital (AC-3)	Dolby Digital bitstream (2-5.1ch) or PCM(2ch, 48 KHz/16bit) * <sup>1</sup>
	Linear PCM (48/96KHz 16/20/24bit)	Linear PCM (2ch) (48kHz sampling/16 bit only) * <sup>2</sup>
	DTS	Bitstream or no output * <sup>3</sup>
CD	Linear PCM	Linear PCM (44.1 kHz sampling)

\*<sup>1</sup> Digital Audio Output (see page 27) selected "Dolby Digital" or "PCM".

\*<sup>2</sup> For copyright protection sound with 96 kHz sampling is converted into 48 kHz sampling when it is output from the unit's optical/coaxial digital audio outputs, but high quality sound with full bit resolution is available on the analog AUDIO OUT connectors.

\*<sup>3</sup> Digital Audio Output selected "DTS" or other (see page 27).

### For your reference:

Notes when connecting the optical digital audio cable (optional)

- Dolby Digital (AC-3) is a digital sound compression technique developed by the Dolby Laboratories Licensing Corporation. Supporting 5.1-channel surround sound, as well as stereo (2-channel) sound, this technique enables a large quantity of sound data to be efficiently recorded on a disc.
- Linear PCM is a signal recording format used in CDs. While CDs are recorded in 44.1 kHz/16 bit, DVDs are recorded in 48 kHz/16 bit up to 96 kHz /24 bit.
- If you have a Dolby Pro Logic Surround decoder connected to the DVD10's analog AUDIO OUT connectors, you will obtain the full benefit of Pro Logic from the same DVD movies that provide full 5.1-channel Dolby Digital soundtracks, as well as from titles with the Dolby Surround mark.

### Caution for the optical/coaxial digital audio outputs:

- When connecting an amplifier (with an optical/coaxial digital input) which does not contain the Dolby Digital (AC-3) or DTS decoder, be sure to select "PCM" at "Dolby Digital" and "DTS" of the initial setting "Digital Audio Output" (see also page 27). Otherwise any attempt to play DVDs may cause such a high level of noise that it may be harmful to your ears and damage your speakers.
- CD's can be played as they would normally be played.

#### Notes:

- Some DTS decoders which do not support DVD-DTS interface may not work properly with the DVD/CD player.
- When you use optical digital audio cable, please remove dust protection cap from Optical Jack on the rear panel.

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

### Dolby Digital and DTS

Both Dolby Digital and DTS are audio formats used to record 5.1-channel audio signals onto the digital track of film. Both of these formats provide six separate channels: left, right, center, left rear, right rear, and common subwoofer.

Remember, that Dolby Digital or DTS will only play 5.1-channel sound if you've connected a DTS or Dolby Digital receiver or decoder and if the disc was recorded in the Dolby Digital or DTS format.

Dolby Digital is a trademark of Dolby Laboratories Licensing Corporation. DTS is a registered trademark of Digital Theater Systems.

## Playing DVD Discs

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### Basic Play

#### Preparation

- Switch the TV ON and select "Video" as the TV input.
  - Switch on the stereo system's power, if the player has been connected to a stereo system.
1. Press POWER ON to switch on the power.
  2. Press OPEN/CLOSE to open the disc tray.
  3. Place a disc onto the disc tray.

Hold the disc without touching either of its surfaces, position it with the side which you wish to play facing down, align it with the guides, and place it in its proper position.

- 3" (8 cm) discs or 5" (12 cm) discs can be used.
4. Press PLAY. The disc tray is automatically closed and play begins.
- When the disc tray is closed by pressing OPEN/CLOSE, play will start automatically.
  - When a Disc Menu appears on the screen. In case of interactive DVDs, a Disc Menu appears on the screen. Select specific menu item by using ARROW buttons, then press ENTER.

### Disc Playback Features

#### Fast Motion Playback (Picture Search)

To scan through the disc when you're playing it, use the Picture Scan feature.

1. Press SEARCH (FWD or REV) while playing a disc.
2. Press repeatedly to increase speed to 2 times, 4 times, 8 times or 16 times.
3. Press PLAY at any time to resume normal playback.

**Notes:** You won't hear the sound (audio) on the disc when using the picture scan feature. Playback features aren't available during the opening credits of a movie. This is intended by the disc author and is not a failure of the DVD10.

#### Freeze Frame and Frame Advance

1. Press STEP (FWD or REV) when a disc is playing to freeze the picture
2. Each time you press the buttons, the picture advances one frame.
3. Press PLAY to resume normal playback.

#### Slow Motion Playback

While the disc is in play, pause or freeze frame mode, you can use slow motion playback.

1. Press SLOW (FWD or REV) on the remote when you're playing disc.
2. Press the buttons repeatedly to increase the slow motion playback speed to 1/16, 1/8, 1/4 or 1/2 of normal speed.
3. Press PLAY to resume normal playback.

**Note:** Playback features aren't available during the opening credits of a movie.

## Playing DVD Discs

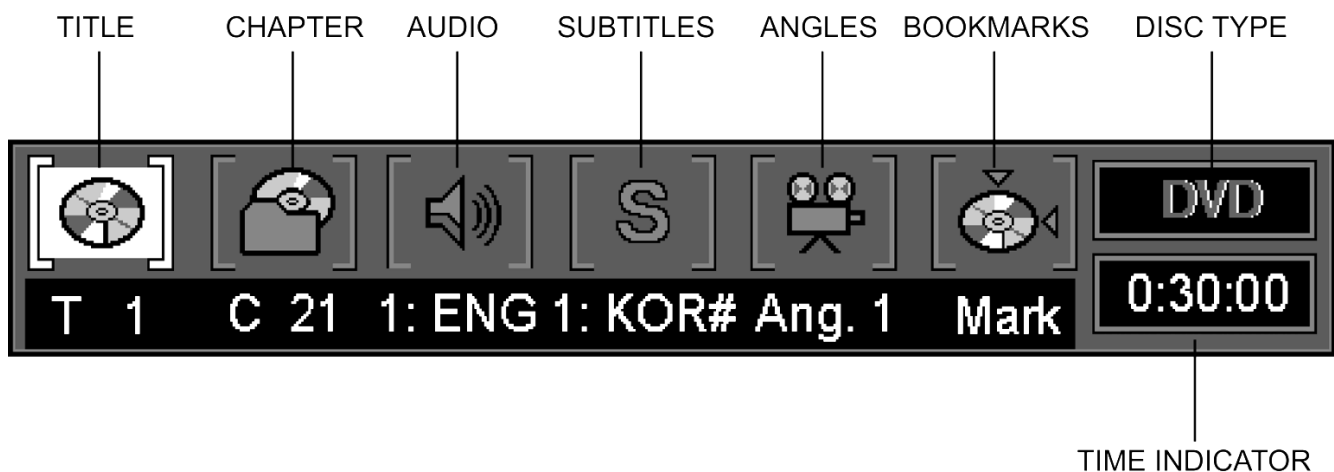
### Using the On-Screen Banner Display

The on-screen Banner Display contains many playback features. To see the Banner Display, press STATUS on the remote while a disc is playing. Use the ARROW buttons on the remote to move through the different features in the Banner Display. Each feature is illustrated with an icon.

Use the ARROW buttons on the remote to highlight a Banner Display icon. When an icon is highlighted, press ENTER on the remote to select it.

Please remember you can only access the Banner Display when playing a disc. Also, each Banner Display feature is only available if the disc was created with that particular feature (i.e., if you select the Subtitle icon, you won't be able to change the subtitle language unless the author of the disc created the disc with subtitles).

The invalid symbol  $\emptyset$  appears on the screen when you press a button that doesn't have any function. If one of the icons is "grayed out," the Banner Display feature isn't available for the disc you're playing. To make the Banner Display disappear from the screen, press STATUS or CLEAR on the remote control.



### Selecting a Title

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

1. During disc playback, press STATUS on the remote.
2. Press the appropriate ARROW button(s) on the remote to highlight the Title icon.
3. Use the NUMBER button(s) on the remote to enter the title number. When you enter a one-digit Title number, you may have to press ENTER on the remote after pressing the NUMBER (1~9) on the remote. Otherwise press 0 first and the second digit. Then play starts. This varies depending on number of Titles on the disc you're playing.

#### Notes :

- Some discs only have one title.

### Selecting a Chapter

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.

1. While a disc is playing, press STATUS button on the remote.
2. Press the ARROW (RIGHT or LEFT) on the remote until the Chapter icon is highlighted.
3. Use NUMBER (0~9) on the remote to enter the number. When you enter a one-digit Chapter number, you may have to press ENTER on the remote after pressing the NUMBER (1~9) on the remote. Otherwise press 0 first and the second digit. Then play starts. This varies depending on number of Chapters within the disc you're playing

#### Notes :

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

## Playing DVD Discs

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### Changing the Audio Language or Track

If the disc was created with different language or audio tracks, you can use the Banner Display to temporarily change the DVD player's Audio setting.

1. Press STATUS on the remote. Press the ARROW (LEFT OR RIGHT) on the remote until the Audio icon on the Banner Display is highlighted.
2. Press ENTER (the Audio Menu appears).



3. Press ENTER on the remote until the audio language you want to use appears in the text window.
4. To make the menu disappear from the screen, press CLEAR or STATUS on the remote.

#### Notes :

- The audio feature only works if the disc was created with multiple audio tracks.
- When you choose an audio language from the Banner Display, you only override the audio language setting in the DVD Player's main menu (in the Language Preferences menu within Setup menu) temporarily.
- Shortcut : You also can choose the audio language/track any time by pressing AUDIO on the remote control, regardless of whether the Banner Display is on the screen or not.

### Changing the Subtitle Language

You can change the Subtitle language while you're watching a disc (but only if the disc was created with subtitles).

1. While a disc is playing, press STATUS on the remote.
2. Press the ARROW (LEFT OR RIGHT) until the Subtitle icon is highlighted.  
Press ENTER (the Subtitle menu appears).



3. Press ENTER on the remote to change subtitle language.
4. Each time SUBTITLE ON/OFF is pressed, the subtitle icon will blink.
5. To make the menu disappear from the screen, press the CLEAR or STATUS on the remote.

#### Notes :

- If you press SUBTITLE on remote when there is no Banner Display on screen, subtitle menu of current disc appears, pressing repeatedly will change subtitle language.
- The subtitle feature only works if the disc was created with subtitles.

## Playing DVD Discs

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### Changing the Camera Angle

Some discs contain multiple angles of a particular scene or sequence. If the disc only has one angle, this feature won't work.

1. While a disc is playing, press STATUS on the remote (the Banner Display appears).



2. Press the ARROW (LEFT OR RIGHT) until the Camera Angle icon is highlighted, and press ENTER (the Angle menu appears).
  3. Press ENTER or ANGLE on the remote to change angle.
  4. To make the Banner Display disappear from the screen, press CLEAR or STATUS on the remote.
- Shortcut: The Angle menu can be called anytime, regardless of whether Banner Display is on or not, by pressing the ANGLE button on the remote, pressing repeatedly will change the angle (if disc was created with multiple angles).

### Using Bookmarks

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

1. While a disc is playing, press STATUS on the remote.
2. Use the ARROW (LEFT OR RIGHT) on the remote until the Mark icon is highlighted and press ENTER (the Bookmark menu appears).



3. When you reach the scene you want to mark, press ENTER. To add any mark, move the cursor (yellow frame) with the ARROW (DOWN) to the "Mark" check line, then move it to the next free frame with the ARROW (RIGHT) and press ENTER when the scene you want to mark is reached.
4. Press CLEAR or STATUS on the remote to make the Banner Display disappear from the screen.

#### Recalling a Bookmarked Scene

1. While playing a disc, press STATUS on the remote (the Banner Display appears).
2. Press the ARROW (LEFT OR RIGHT) on the remote until the Bookmark icon is highlighted.
3. Press ENTER.
4. Press the ARROW (UP) on the remote to move to the "Go To" parts of the Bookmark menu.
5. Use the ARROW (LEFT OR RIGHT) on the remote to select the bookmarked scene you want to activate.
6. Press ENTER go to the bookmark.
7. To make the Banner Display disappear from the screen, press CLEAR or STATUS on the remote.

#### Clearing a Bookmark

The bookmark is cleared each time a disc is removed from the player or when the power is turned off completely (not to Standby only).

If all 9 bookmarks are in use, you can still mark new scenes, but the previous bookmarks will be erased.

## Playing DVD Discs

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### Using the Repeat Feature

There are four Repeat options:

- Disc – Repeat the disc that is playing.
- Title – Repeat the title that is playing.
- Chapter – Repeat the chapter that is playing.
- A-B – Set the beginning (point A) and the end (point B) to make this part of the movie play repeatedly.

#### Repeat Play

1. While a disc is playing, press REPEAT on the remote (the Repeat Display appears).



2. Access menus in the following order by pressing REPEAT on the remote repeatedly until the desired function is displayed .  
REPEAT DISC > REPEAT TITLE > REPEAT CHAPTER > REPEAT OFF
3. To make the menu disappear from the screen, press the CLEAR or STATUS on the remote or wait some seconds.

#### A-B Repeat Play

1. While a disc is playing, press A-B on the remote when you want to choose a scene as the beginning point (the Repeat A-B Display appears).



2. Press A-B again to choose a scene as the end point (Repeat A-B setting is done). A-B section will be played continuously.
3. Press A-B on the remote again to cancel repeat A-B mode, press twice, if Repeat display is no longer onscreen.
4. To make the menu disappear from the screen, press the CLEAR or STATUS on the remote or wait a few seconds.

### Random Play

1. While a disc is playing, press RANDOM on the remote (the Random Display appears).



2. Each time you press RANDOM on the remote, Random play will turn on or off.
3. To make the Banner Display disappear from the screen, press the CLEAR or STATUS on the remote or wait a few seconds.

#### Note :

- If you want to cancel Random while a disc is RANDOM playing, press RANDOM on the remote again (Standard Play Display appears).

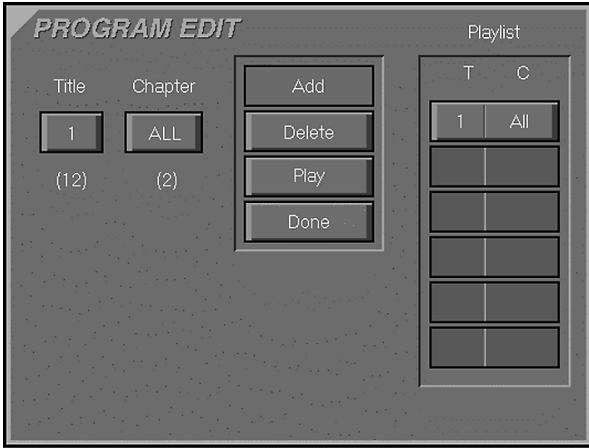


# Playing DVD Discs

## Program Play

### Program Edit

1. In Stop mode, press PROGRAM on the remote (Program Edit Display appears).



- If there is no programmed Chapter on the playlist, the above Display appears when you press PROGRAM. The numbers below the TITLE and CHAPTER icons indicate the number of Titles on the disc and Chapters on any title selected.
2. Select specific Title by pressing ARROW (UP or DOWN) or holding it pressed (will quickly scan through title numbers). When title is selected, press ENTER or ARROW (right). You can also select title directly by entering its number with NUMBER (0~9) keys. Note that a "0" must be entered in front of a single number (depending on the total number of titles on disc).
  3. Select chapter in the same way as above, then ADD will be highlighted automatically. Press ENTER to add selected chapter onto Playlist.
  4. You can select maximum 32 items by repeating step 2.
  5. When you complete program edit, select PLAY icon and then press ENTER on the remote or press PLAY on the remote to start program play.

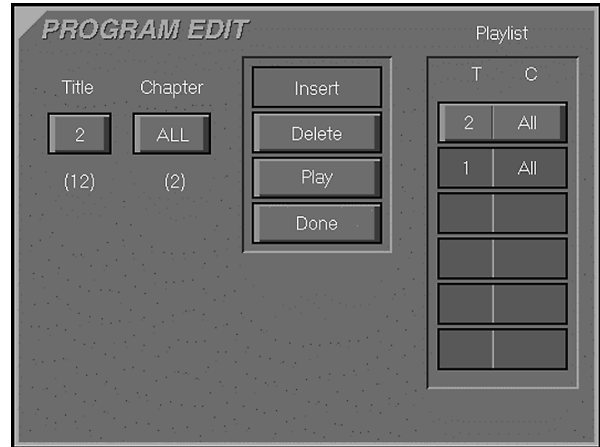
### Delete Program

1. To delete programmed Track/Chapter, press ARROW (RIGHT or LEFT) on the remote to Move Arrow icon to the Playlist.
2. Press ARROW (UP or DOWN) to select the Title/Chapter to be deleted. When it is highlighted (grey), press CLEAR or select DELETE icon on the Program Edit Display and press ENTER (Selected Value deletes).

### Insert Chapter

Inserting chapters is possible only if chapters are already programmed on the playlist and will change the order of playback.

1. Press PROGRAM on the remote to insert Chapter (Program Edit Display appears).



2. To insert Chapter, move cursor to playlist and press ARROW (UP or DOWN) on the remote to select location where you want to insert a Chapter (will be inserted above icon highlighted grey). As soon as cursor is moved to programmed titles of playlist the above display appears.
3. Move cursor to TITLE icon and select title and chapter to be inserted as described in connection with Program Edit above.
4. Select INSERT icon on the Program Edit Display.
5. Press ENTER (Chapter would be inserted).

### Stop Program Play

Program Play will be stop:

1. When you open tray.
2. When you turn Power off (to Standby).
3. When you press STOP twice. Then the red PROG indicator will disappear from display and the player will resume normal play mode, but the program will remain in memory and can be recalled by pressing PROGRAM again.

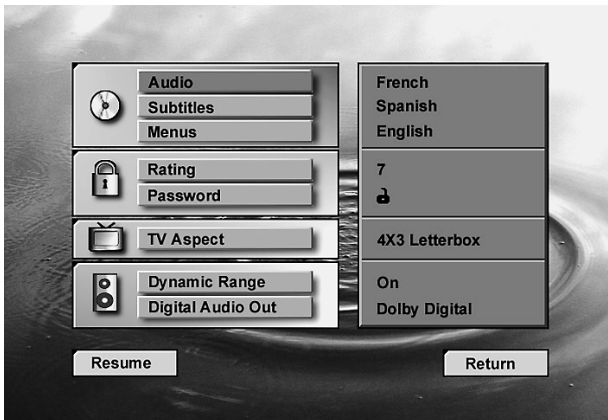
### Note:

- When you finish adding values to Playlist and want to return to normal play mode, press RETURN or select DONE icon and press ENTER on the remote.
- While a disc is playing, press PROGRAM on the remote to start Program Play.

## Playing DVD Discs

### Set Up Menu

During STOP mode, if you press MENU on the remote, current Set Up Menu Display appears on the screen.

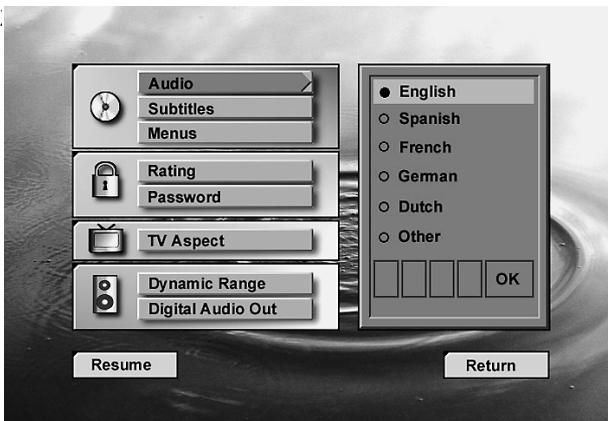


### Audio Language

#### Select Audio Language

This step will define the default audio language (if disc was created with different language tracks). Choosing an audio language from the Banner Display (see page 9) will overwrite this setting only temporarily.

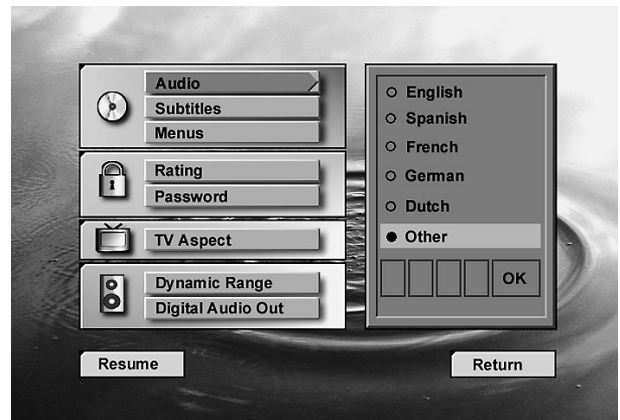
1. Press ARROW (UP or DOWN) on the remote to select Audio on the SET UP MENU DISPLAY.
2. Press ENTER or ARROW (right) , AUDIO MENU appears.



3. Press ARROW (UP or DOWN) on the remote to select specific Audio Language.
  4. Press ENTER.
  5. Press PLAY to resume normal playback or RETURN to delete Set Up Menu display.
- You can exit the Audio menu at any time by pressing the ARROW (left).

### Select Other Language

1. Select Other and Press ENTER.



2. Input first number of language code (see table on page 32) into the first digit by pressing ARROW (UP or DOWN) on the remote, then ENTER or ARROW (right) and enter the other 3 digits the same way. The code can also be entered directly with the NUMBER (0~9) keys.
  3. When cursor is on OK icon press ENTER.
  4. Press PLAY to resume normal playback or RETURN to delete Set Up Menu display.
- If language selected is not available on disc, the language designated as default by each disc will be selected.



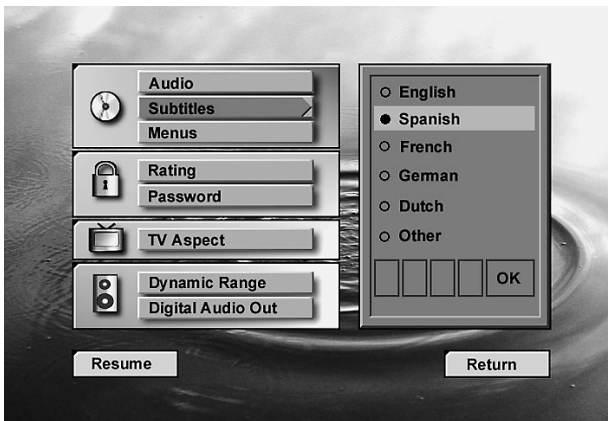
# Playing DVD Discs

## Subtitle Language

### Select Subtitle Language

With this set up you define the default subtitle language (if disc was created with different language tracks). Choosing a subtitle language from the Banner Display (see page 9) will overwrite this setting only temporarily.

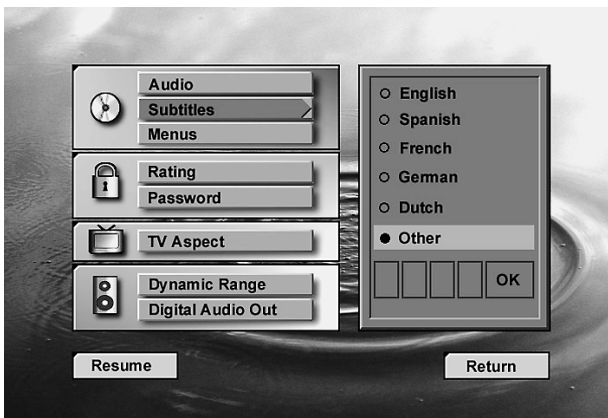
1. Press ARROW (UP or DOWN) on the remote to select Subtitles on the SET UP MENU DISPLAY.
2. Press ENTER or ARROW (right), Subtitle Menu appears.



3. Press ARROW (UP or DOWN) on the remote to select specific Subtitle Language.
4. Press ENTER.
5. Press PLAY to resume normal playback or RETURN to delete Set Up menu display.

### Select Other Language

1. Select Other and Press ENTER.

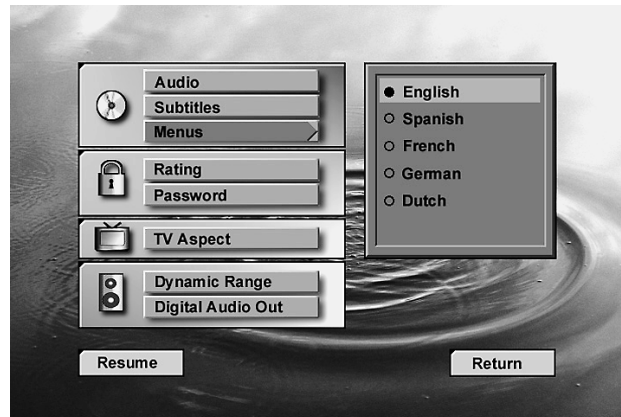


2. Input first number of language code (see table on page 32) into the first digit by pressing ARROW (UP or DOWN) on the remote, then ENTER or ARROW (right) and enter the other 3 digits in the same way. The code can also be entered directly with the NUMBER (0~9) keys.
  3. Select OK icon and press ENTER.
  4. Press PLAY to resume normal playback or RETURN to delete Set Up Menu display.
- If language selected is not available on disc, the language designated by each disc as default will be selected.

## Menu Language

Define the language of the menus and other short messages shown on the screen.

1. Press ARROW (UP or DOWN) on the remote to select Menus on the SET UP MENU DISPLAY.
2. Press ENTER or ARROW (right), Menu Menu appears.



3. Press ARROW (UP or DOWN) on the remote to select specific Menu Language.
4. Press ENTER.
5. Press PLAY to resume normal playback or RETURN to delete the Set Up Menu display.

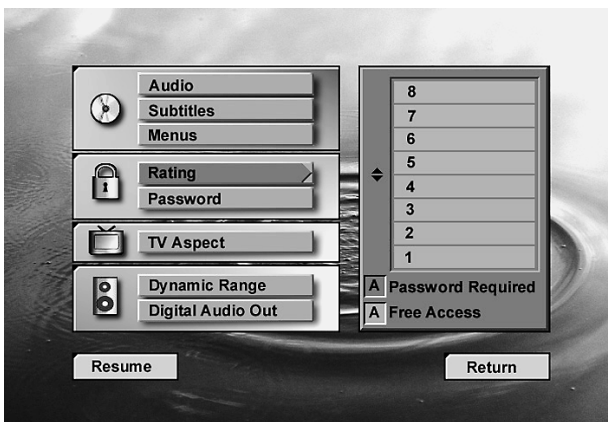
## Playing DVD Discs

### Rating

This chapter is to disable the playing of some DVDs (particularly U.S. types) which are unsuitable for some audiences, for example children. These DVDs are encoded with a specific rating level. If the rating level of the disc is higher than the preset in the settings operations described in this chapter, playback of the disc will be prohibited unless the password memorized (see next page) is entered.

Set the rating level in the following way:

1. Press ARROW (UP or DOWN) on the remote to select Rating in SET UP MENU DISPLAY.
2. Press ENTER or ARROW (right), Rating Menu as shown below appears, when no password (see next page) is entered yet.



3. Press the ARROW (UP or DOWN) on the remote to select rating level (lowest blue highlighted number). As indicated below rating scale, all DVDs with a rating level within the blue number area will require password before being played, all those with rating level within the amber number area will have free access.
  4. Press ENTER. The rating menu will disappear and rating level selected will be indicated in the Set Up Menu.
- If any password was memorized (see next page), rating menu is available only after correct password has been entered.

### The rating levels:

The rating system is based on information encoded on the DVD disc being played, so movies may carry a rating symbol, the disc may or may not contain that rating in its software. In addition to the five standard (MPAA) rating symbols of "G" (level 2), "PG" (Parental Guidance, level 4), "PG 13" (Parental Guidance and 13 years old, level 4), "R" (Restricted, level 6) and "NC17" (from 17 years old, level 7), the DVD10 will accommodate a total of eight rating steps, as set by the DVD creators. These additional steps allow for more critical control of program playback for all audiences.

Level 8: All DVDs can be played (Factory preset).

Level 7 to 2: DVDs for general audiences/children can be played.

Level 1: DVDs for children can be played, DVDs for adults/general audiences are prohibited.

Level 0: Playback of all DVDs is prohibited (e.g. to prohibit playback of DVDs for adults which are not encoded with rating level information).

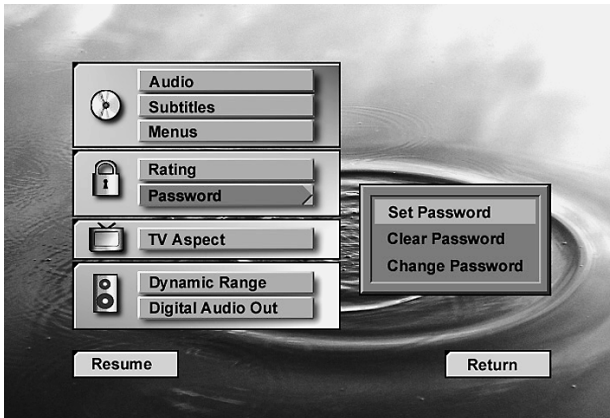
# Playing DVD Discs

## Password

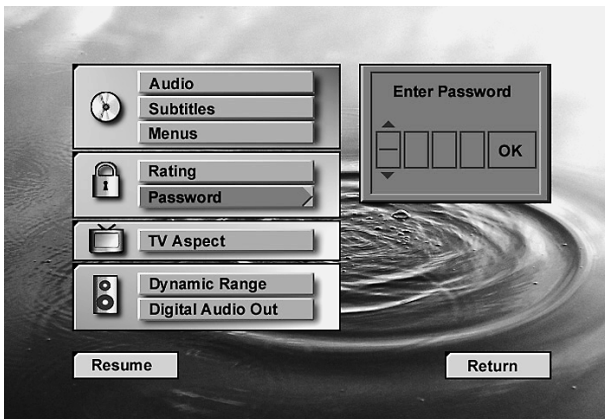
### Input Password

For disabling the playback of rated DVDs a password, consisting of four digits, must be entered:

1. Press ARROW (UP or DOWN) on the remote to select Password on the SET UP MENU DISPLAY.
2. Press ENTER or ARROW (right), Password Menu appears.

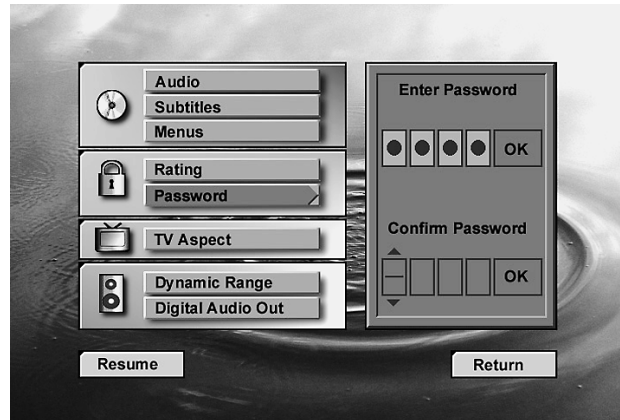


3. Select Set Password, press ENTER (Enter Password Display appears).

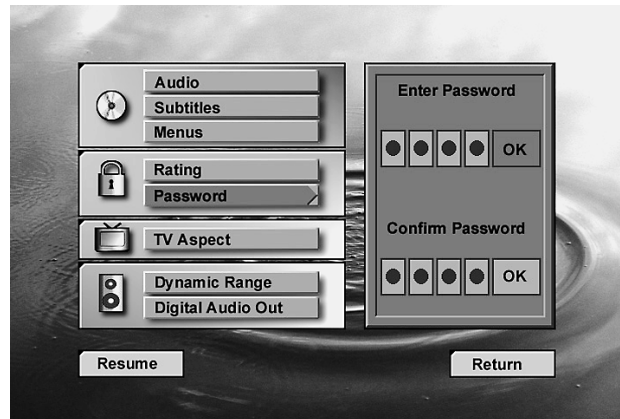


4. Press the ARROW (UP or DOWN) or NUMBER (0~9) on the remote to enter password.

5. Press ENTER to finish password input (Confirm Password display appears below Enter Password Display).



6. Press the ARROW (UP or DOWN) or NUMBER (0~9) on the remote to enter same password for confirmation.



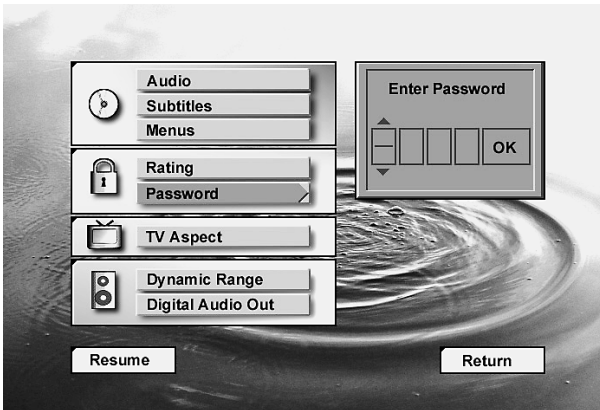
7. When incorrect password is entered, new password menu appears and you can enter and confirm the password again. This time, as help, the correct password is repeated in each digit of the "Try Again" menu and the incorrect password in the lower "Confirm Password" menu part, appearing after the upper is passed.
  8. After the correct password is entered in all menus, press ENTER, the main password menu will return and a red key symbol appears in the front display. To return to Set Up Menu press ARROW (left). The lock symbol in the Set Up Menu appears closed to show that the rating is locked.
- After password is memorized, all password menus are available only after correct password is entered. If incorrect password is entered, new password menu appears where the correct password can be entered again.
  - Note that the time delay before the password can be re-entered will increase with each attempt. This prevents attempts to find the correct password by trial and error.
  - It's most important that you note the password in a safe place or remember it reliably as access to rated discs or rating/password menus or changing or clearing the password (see next pages) is not possible without entering the correct password.

## Playing DVD Discs

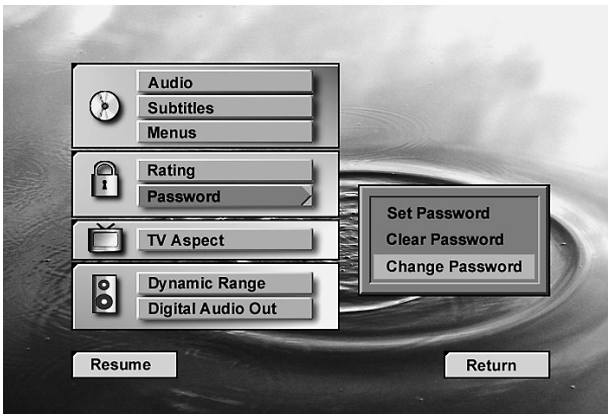
### Change Password

Password can be changed a any time but first the current password must be entered:

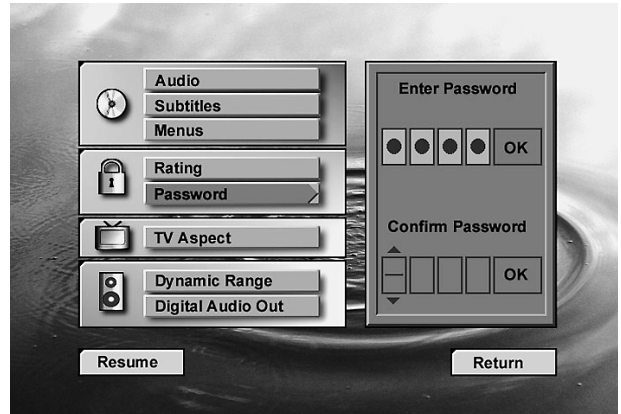
1. Press ARROW (UP or DOWN) on the remote to select Password on the SET UP MENU DISPLAY.
2. Press ENTER or ARROW (right), Enter Password Display appears.



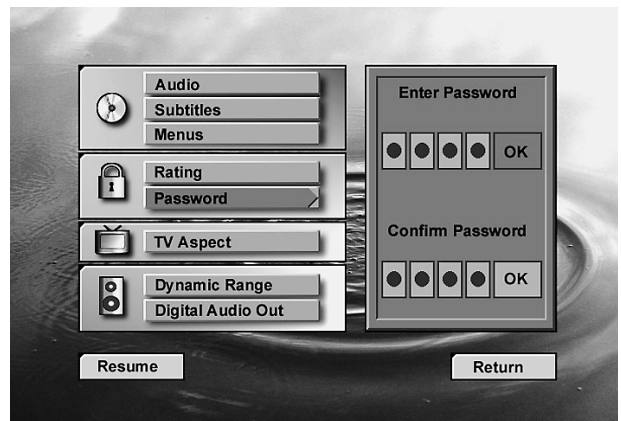
3. Press the ARROW (UP or DOWN) or NUMBER(0~9) on the remote to enter the actual password and press ENTER again, Password Display appears.



4. Press ARROW (UP or DOWN) on the remote to select Change Password and press ENTER (Enter Password Display appears again).
5. Enter new password, press ENTER (Confirm Password Display appears).



6. Press the ARROW (UP or DOWN) or NUMBER (0~9) on the remote to enter same password - for confirmation.



7. After new password is entered correctly in all menus, press ENTER. The main password menu will return. To return to Set Up Menu, press ARROW (left).



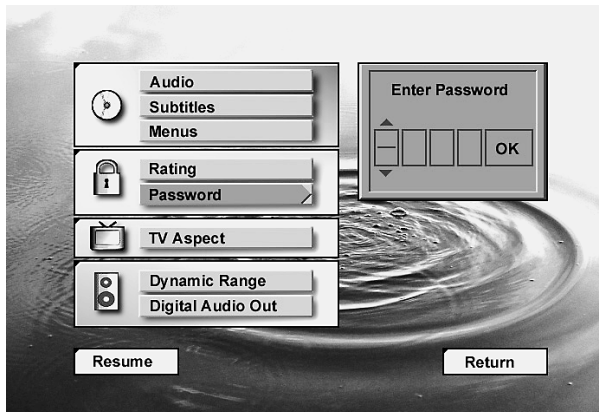
## Playing DVD Discs

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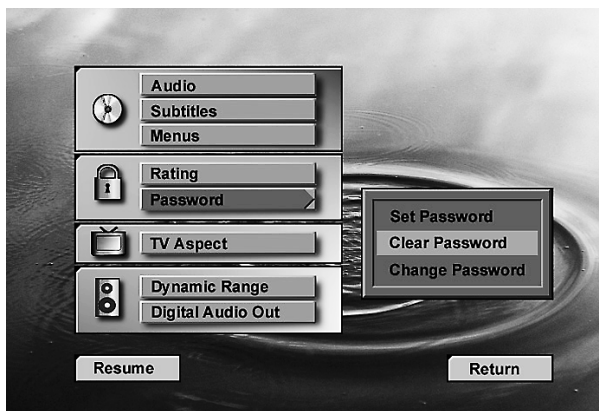
### Clear Password

Password can be cleared easily, but first the current password must be entered:

1. Press ARROW (UP or DOWN) on the remote to select Password on the SET UP MENU DISPLAY.
2. Press ENTER or ARROW (right), Enter Password Display appears.



3. Press the ARROW (UP or DOWN) or NUMBER(0-9) on the remote to enter the current password and press ENTER again, Password Display appears.
4. Press ARROW (UP or DOWN) on the remote to select Clear Password.



5. Press ENTER, Password is cleared.
6. To return to Set Up Menu, press ARROW (left). To delete the Set Up Display, press RETURN.

## Playing DVD Discs

### TV Aspect

This step selects the TV aspect, conventional screen shape (4:3) or widescreen (16:9), according to your TV set:

- **4 x 3 Letterbox** : Choose this setting if the DVD10 is connected to a conventional (4:3) TV set and you would prefer to see movies in their original aspect ratio. You will see the entire frame of the movie and DVDs recorded with normal 4:3 format will fill the entire screen. But movies in widescreen will occupy a smaller portion of the screen, with black bars at the top and bottom of the screen.

- **4 x 3 Pan Scan** : Choose this setting if the DVD10 is connected to a conventional (4:3) TV set and you want widescreen movies to fill the entire screen. You won't see parts of the picture (particularly the right and left edges).

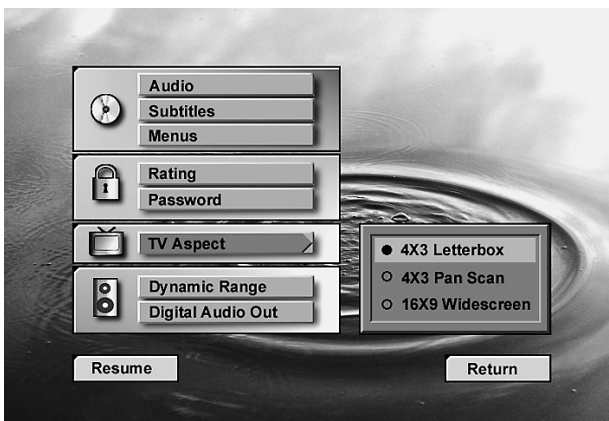
Many discs produced in a wide screen format can't be cropped in this fashion, which means the black bars will appear at the top and bottom of the screen (letterbox format). Some widescreen DVDs, particularly anamorph types (with full vertical line resolution), may be shown with original width but spread vertically. With those disc the letter box format must be selected.

- **16 x 9 Widescreen** : Choose this setting if your DVD player is connected to a widescreen TV or to a conventional (4:3) TV, set to widescreen (16:9) mode.

With this set up, widescreen discs will be shown optimally, i.e. with full vertical resolution. With some 4:3 TV, set to 16:9 format, discs with 4:3 format may be played compressed vertically. With those discs the TV must be set to 4:3 format.

To select TV Aspect follow these steps:

1. Press ARROW (UP or DOWN) on the remote to select TV Aspect on the SET UP MENU DISPLAY.
2. Press ENTER or ARROW (right), TV Aspect Menu appears.



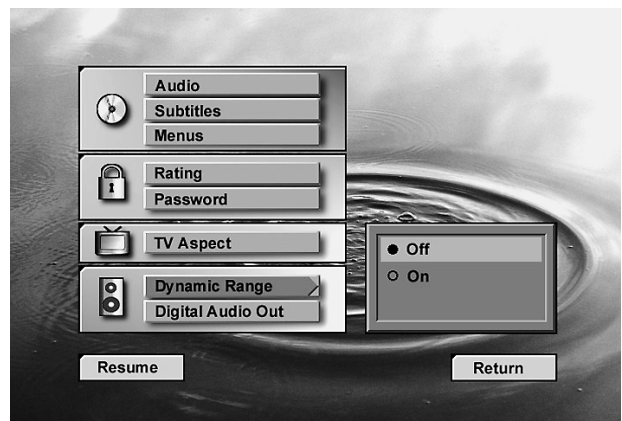
3. Press ARROW (UP or DOWN) on the remote to select specific TV Aspect Menu.
4. Press ENTER.
5. Press PLAY to resume normal playback or RETURN to delete Set Up Display from screen.

### Dynamic Range

This setting enables Dolby Digital recordings to be played back with full dialogue intelligibility while reducing peak levels and increasing low levels by 1/4 to 1/3. This smooth level compression prevents abrupt loud transitions from disturbing others without reducing the impact of the digital source perceptibly.

To select Dynamic Range Compression:

1. Press ARROW (UP or DOWN) on the remote to select Dynamic Range on the SET UP MENU DISPLAY.
2. Press ENTER (Dynamic Range Menu appears).



3. Press ARROW (UP or DOWN) on the remote to select dynamic range mode (on or off).
4. Press ENTER.
5. Press PLAY to resume normal playback.

- This function only works with Dolby Digital DVD and in conjunction with the Dolby Digital Decoder connected to the digital output of DVD1, depending on its "Night Mode" setting:
- When Dynamic Range is off, normal audio range is selected.
- When Dynamic Range is On and "Night Mode" on decoder is off, normal audio range is selected.
- Dynamic compression is activated only when Dynamic Range on DVD10 is on AND "Night Mode" on the decoder is on.

## Playing DVD Discs

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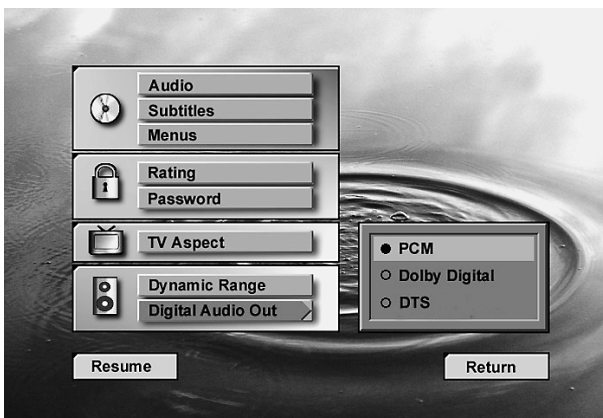
### Digital Audio Out

This setting determines the digital signal format to be output from the optical/coaxial digital audio output of the DVD10. The optimal setting will depend on the digital decoder connected to that output.

- **PCM:** Choose this setting if the decoder connected to the digital output is able to decode only normal PCM data rather than Dolby Digital or DTS. PCM and Dolby Digital tracks will be output as PCM datastream only, DTS tracks will output no signal (see also comment in "Dolby Digital" below).
- **Dolby Digital:** Choose this setting if you connected a Dolby Digital receiver or decoder to your DVD player, but without DTS decoder. PCM and Dolby Digital tracks will be output, DTS tracks will output no signal (see also information note below). But with virtually all DTS discs a 2-channel digital audio track can be selected as other Audio Track (by pressing the Audio button on remote, see page 16), that will deliver PCM signal to the digital output.
- **DTS:** Choose this setting if you connected a receiver or decoder to your DVD player with Dolby Digital and DTS decoding. Then all recordings will be output and played, whether PCM, Dolby Digital or DTS format.

To select Digital Audio Output format follow these steps:

1. Press ARROW (UP or DOWN) on the remote to select Digital Audio Out on the SET UP MENU DISPLAY.
2. Press ENTER or ARROW (right), Digital Audio Out Display appears.



3. Press ARROW (UP or DOWN) on the remote to select specific Digital Audio Out Menu.
4. Press ENTER.
5. Press PLAY to resume normal playback or RETURN to delete Set Up Display from screen.

### Important : DTS information

If you set the Digital Audio Out Menu to DTS, to listen to DTS you must have your DVD player connected to a receiver or DTS decoder with DTS decoding and the disc you play must contain DTS audio. If you choose DTS and you play a DTS disc, but your receiver or decoder doesn't support DTS, you won't hear any audio when you play the disc.

## Playing CDs

### Compatibility of Discs

Before you load a disc, make sure that it is compatible with the player.

Note that the following discs CANNOT be used with this player.

- Laserdisc
- CD-I, CD-ROM, CD-R, DVD-ROM, MP3, VCD
- MiniDisc
- CD-RW (erasable CD) with low reflectivity, those with high reflectivity will be accepted and played (if finalized, see also page 3).

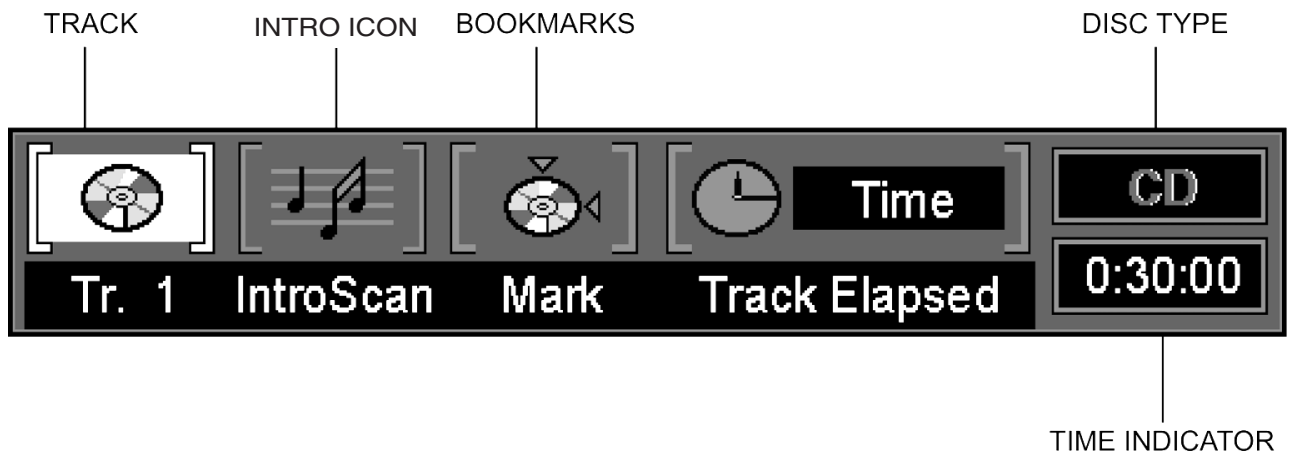
### To Load and Play an Audio CD

Make sure that you have properly connected the DVD player

1. Press OPEN/CLOSE on the front of the DVD player or on the remote (the disc tray opens).
2. Place a disc gently into the tray with the disc's label facing up.
3. Press PLAY to close the disc tray.  
The DVD player reads the disc's table of contents and the disc starts to play.
4. To search forward or reverse through the track, press SEARCH (forward/reverse) on the remote or on the front panel. To pause play, press PAUSE on the remote or PLAY/PAUSE on the front panel. To release the pause, press PAUSE or PLAY on remote or PLAY/PAUSE on front panel again.
5. Press STOP to stop playback.

### Audio CD Playback Features

When playing audio CDs, your DVD player has the same features as a CD player, including track skip, repeat play and programmed playback. The on-screen Info Display, appearing when REPEAT or RANDOM is pressed (see page 30), and the Banner Display shown below, appearing automatically when the CD is played, let you choose various playback features.



### Using the Banner Display

As soon as a CD is played the Banner Display will appear automatically. To delete it from screen, press STATUS or CLEAR on the remote, to re-access it, while the CD is playing, press STATUS again. The Banner Display cannot be accessed in Stop mode, only in Pause or Play mode. In the Display some of the playback features are illustrated with an icon. To access a feature, press the appropriate ARROW on the remote to highlight the icon. Each feature is described in the following pages.

#### Note:

To see the Info Display, you must turn on your TV and tune it to the appropriate Video Input Channel.



# Playing CDs

## Selecting a Track

1. During disc playback, enter the track number directly with the NUMBER (0~9) buttons on the remote or press STATUS on the Remote to see Banner Display on the screen if it's not on already (as normally in play mode).
  2. Press ARROW (RIGHT or LEFT) on the remote to highlight the Track No icon if not already highlighted (in play mode this icon is highlighted automatically). Enter the Track NUMBER(0~9) on the Remote to select Track No.
- In Pause or Play mode any track can be selected directly by entering its number with the NUMBER(0~9) buttons on the remote, no matter if the Banner Display is on or not. To select tracks from Stop mode, press Play and enter the track number directly.
  - You can skip through tracks forward or backward by pressing the NEXT/PREV. buttons (track skip ►► / ◀◀) on the remote or SKIP (forward/reverse) on the front panel. When you hold these buttons pressed, track numbers will be skipped, the formerly played track will continue until buttons are released, then the selected track will be played.

## Using IntroScan

IntroScan plays the first few seconds of each track on the CD-similar to the scan feature on many car radios. To use IntroScan :

1. Press STATUS on the remote if the banner Display is not on already.
  2. Press the ARROW (RIGHT or LEFT) on the remote to highlight the IntroScan icon. Press ENTER, the INTRO indicator will appear in the front panel display and the first 10 seconds of each track will be played.
  3. After IntroScan has gone through all of the tracks, it stops.
  4. If you want to stop IntroScan while it's in progress, just press PLAY on the remote, the INTRO indicator is deleted and the current track is played normally.
- IntroScan cannot be used with Program play (see page 31). If intro is selected while a program is played, all tracks on disc will be played with intro.

## Using Bookmarks

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

### Entering Bookmarks

1. While a disc is playing, press STATUS on the remote to see the Banner Display (if not already on).
2. Use the ARROW (RIGHT or LEFT) until the Bookmark icon is highlighted and press ENTER (the Bookmark menu appears).



3. When you reach the place on disc you want to mark, press ENTER.

4. To add marks, move the cursor (yellow frame) with the ARROW (DOWN) to the "Mark" line (if not already there), then move the cursor to the next free frame with the ARROW (RIGHT). Select the track you wish to mark and press ENTER when the next place on disc you want to mark is reached.
5. Press CLEAR on the remote to make the Banner Display disappear.

### Recalling a Bookmarked Track

1. While you're playing a disc, press STATUS on the remote to see the Banner Display (if not already on).
2. Press the ARROW (RIGHT or LEFT) on the remote until the Bookmark icon is highlighted.
3. Press ENTER .
4. Press the ARROW (UP) to move to the "Go To" parts of the Bookmark menu.
5. Use the ARROW (RIGHT or LEFT) arrow to select the Bookmarked Track you want to activate.
6. Press ENTER to go to the bookmark.
7. To make the Banner Display disappear from the screen, press CLEAR in the remote.

### Clearing a Bookmark

The bookmark is cleared each time a disc is removed from the player or when the power is turned off completely (not to Standby only).

If all 9 bookmarks are in use, you can still mark new scenes, but the previous bookmarks will be erased.

## Selecting Time Display

The time display in the front panel display or at the right of the Banner Display can be selected too:

1. If Banner Display is on, press ARROW (right) on the remote to highlight the Time icon
  2. In normal operation the running time of the track being played is displayed, the Banner Display reads the Track Elapsed Time.
  3. Press the ENTER button once to display the Track Remain Time, press again to display the elapsed time of all tracks played (Disc Elapsed Time). If you press ENTER a third time the Disc Remain Time will be displayed.
- All time indications are available also with Program play (see page 31).

## Playing CDs

### Using the Repeat Feature

There are three Repeat options:

Repeat Disc : Repeat the disc or program that is playing.

Repeat Track : Repeat the Track that is playing.

Repeat A-B : Set the beginning (point A) and the end (point B) to make this part of the CD play repeatedly.

#### Repeat Play

1. While a disc is playing, press REPEAT on the remote (the Repeat Display appears).



2. Select Repeat function in following order each time you press REPEAT on the remote:  
REPEAT DISC → REPEAT TRACK → REPEAT OFF.  
When Repeat Track is selected, REPEAT TRACK is indicated in the front panel display, while TRACK is flashing. When Repeat is off REPEAT will disappear from the front panel display.
3. To make the menu disappear from the screen, press CLEAR on the remote.
  - If Repeat Disc is selected with Program play (see next page), the complete program will be repeated. Note that Repeat Track is not available with Program play.

#### A-B Repeat Play

1. While a disc is playing, press A-B on the remote when you want to choose a beginning point (the Repeat A-B Display appears).



2. Press A-B again to choose a sound as the end point (Repeat A-B setting is done), A-B section will be played continuously and REPEAT A-B appears in the front panel display.
3. Press A-B on the remote again to cancel repeat A-B mode, press twice if the Repeat Display has disappeared from screen.
4. To make the menu disappear from the screen, press CLEAR or STATUS on the remote or wait a few seconds.

### Random Play

1. While a disc is playing, press RANDOM on the remote (the Random Display appears).



2. Each time you press RANDOM on the remote, Random play will turn on or off.
3. To make the Banner Display disappear from the screen, press CLEAR or DISPLAY on the remote or wait a few seconds.

#### Note :

- If you want to cancel Random while a disc is RANDOM playing, press RANDOM on the remote again (Standard Play Display appears).

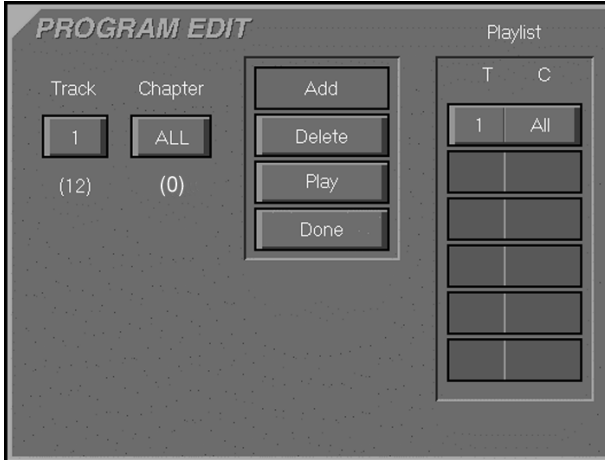


# Playing CDs

## Program Play

### Program Edit

1. In Stop mode, press PROGRAM on the remote (Program Edit Display appears).



- If there is no programmed Track on the playlist, the above Display appears when you press PROGRAM. The number below the TRACK icon indicates the number of Tracks on the disc (there are no Chapters on CDs).
2. Select specific Track by pressing ARROW (UP or DOWN) on the remote or holding it pressed (will scan through title numbers). If track is selected, press ENTER or ARROW (right) twice. You also can select track directly by entering its number with NUMBER (0~9) keys (note that a "0" must be entered in front of a single number, depending on the total number of titles on disc), then press ENTER or ARROW (right) once.
  3. When ADD icon is highlighted, press ENTER to add selected track to playlist.
  4. You can select maximum 32 Tracks by repeating step 2.
  5. After you complete program edit, select PLAY icon on Program Edit Display and press ENTER or press PLAY on the remote to start program play. A red PROG indicator will light in the front panel display and program will be played.

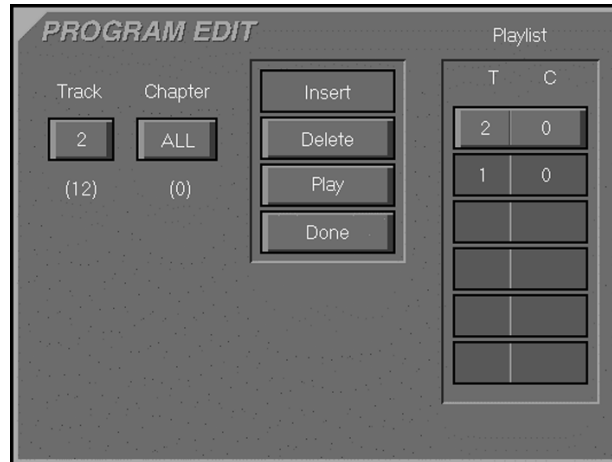
### Delete Program

1. To delete programmed Track, press ARROW (RIGHT or LEFT) on the remote to move Arrow icon to the playlist.
2. Press ARROW (UP or DOWN) on the remote to select the Track to be deleted until it's highlighted (grey) and press CLEAR or select DELETE icon on the Program Edit Display and press ENTER (Selected Track will be deleted).

### Insert Track

Inserting Tracks is possible only if a track is already programmed. This will change the order of playback.

1. Press PROGRAM on the remote to insert Track (Program Edit Display appears).



- If there are already programmed Tracks on the playlist, the above Display appears when you press PROGRAM.
2. To insert Chapter, move cursor to playlist and press ARROW (UP or DOWN) on the remote to select location where you want to insert a Track (will be inserted above the icon highlighted grey).
  3. Now move cursor to TRACK icon and select track to be inserted as described with Program Edit above.
  4. Select INSERT icon on the Program Edit Display.
  5. Press ENTER (Track inserts).

### Stop Program Play

To end Program Play and return to normal mode:

1. When you open and close tray (complete program will be deleted).
2. When you press STOP twice, this will end program play but keep the program in memory (recallable at once by pressing PROG on remote).
3. When you turn Power off and on (to Standby), this will end program play but keep the program in memory. If Power is turned off completely the program will be deleted.

### Note :

When you don't add tracks onto Playlist and want to return to normal play mode press RETURN on the remote or select DONE icon and press ENTER on the remote.

## Language Codes (for Audio Track and Subtitle Selection, see page 20-21)

Don't forget to press the ENTER on the remote after you enter the code.

Language	Code	Language	Code	Language	Code
Abkhazian	6566	Hungarian	7285	Russian	8285
Afar	6565	Icelandic	7383	Samoan	8377
Afrikaans	6570	Indonesian	7378	Sangho	8371
Albanian	8381	Interlingua	7365	Sanskrit	8365
Ameharic	6577	Interlingue	7369	Scots Gaelic	7168
Arabic	6582	Iunpiak	7375	Serbian	8382
Armenian	7289	Irish	7165	Servo-Groatian	8372
Assamese	6583	Italian	7384	Sesotho	8384
Aymara	6588	Japanese	7465	Setswana	8478
Azerbaijani	6590	Javanese	7487	Shona	8378
Bashkir	6665	Kannada	7578	Sindhi	8368
Basque	6985	Kashmiri	7583	Singhalese	8373
Bengali; Bangla	6678	Kazakh	7575	Siswati	8383
Bhutani	6890	Kinyarwanda	8287	Slovak	8375
Bihari	6672	Kirghiz	7589	Slovenian	8376
Bislama	6673	Kirundi	8278	Somali	8379
Breton	6682	Korean	7579	Spanish	6983
Bulgarian	6671	Kurdish	7585	Sundanese	8385
Burmese	7789	Laothian	7679	Swahili	8387
Byelorussian	6669	Latin	7665	Swedish	8386
Cambodian	7577	Latvian, Lettish	7686	Tagalog	8476
Catalan	6765	Lingala	7678	Tajik	8471
Chinese	9072	Lithuanian	7684	Tamil	8465
Corsican	6779	Macedonian	7775	Tatar	8484
Croatian	7282	Malagsy	7771	Telugu	8469
Czech	6783	Malay	7783	Thai	8472
Danish	6865	Malayalam	7776	Tibetan	6679
Dutch	7876	Maltese	7784	Tigrinya	8473
English	6978	Maori	7773	Tonga	8479
Esperanto	6979	Marathi	7782	Tsonga	8483
Estonian	6984	Moldavian	7779	Turkish	8482
Faroese	7079	Mongolian	7778	Turkmen	8475
Fiji	7074	Naru	7865	Twi	8487
Finnish	7073	Nepali	7869	Ukrainian	8575
French	7082	Norwegian	7879	Urdu	8582
Frisian	7089	Occitan	7967	Uzbek	8590
Galician	7176	Oriya	7982	Vietnamese	8673
Georgian	7565	Oromo (Afan)	7977	Volapuk	8679
German	6869	Panjabi	8065	Welsh	6789
Greek	6976	Pashto, Pushto	8083	Wolof	8779
Greenlandic	7576	Persian	7065	Xhosa	8872
Guarani	7178	Polish	8076	Yiddish	7473
Gujarati	7185	Portuguese	8084	Yoruba	8979
Hausa	7265	Quechua	8185	Zulu	9085
Hebrew	7387	Rhaero-Romance	8277		
Hindi	7273	Romanian	8279		

## Specifications

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Applicable Disc:	5 inch (12 cm) or 3 inch (8 cm) DVD-Movie, CD or CD-RW discs, Region 2 DVD-Movie Discs, DVD: Single Side/Single Layer, Single Side/Dual Layer, Dual Side, Dual Layer, Linear PCM, Dolby Digital or DTS Audio Discs
Video Signal System:	PAL/NTSC
Composite Video Output:	1 V p-p/75 Ohms, sync negative polarity
S Video Output:	Y/Luminance: 1 V p-p/75 Ohms, sync negative polarity C/Chrominance: 0.286 V p-p
Component Video Outputs:	Y: 1 V p-p/75 Ohms, sync, negative polarity Pr: 0.648 V p-p/75 Ohms Pb: 0.648 V p-p/75 Ohms
Analog Audio Output:	2 Vrms max.
Frequency Response:	DVD (Linear PCM): 2 Hz - 22 kHz +/-0.5 dB (48 kHz sampling) 2 Hz - 44 kHz +/-0.5 dB (96 kHz sampling) CD: 2 Hz - 20 kHz +/-0.5 dB
Signal/Noise Ratio (SNR):	110 dB (A-weighted)
Dynamic Range:	DVD: 100 dB (18 Bit) CD: 91 dB
THD:	DVD/CD: 0.0025 %
Wow & Flutter:	Below Measurable Limits
AC Power:	220-240 V/50 Hz
Power Consumption:	20 Watts (On)
Dimensions (WxHxD):	440x108x330 mm
Weight:	7 Kg

All specifications subject to change without notice.

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