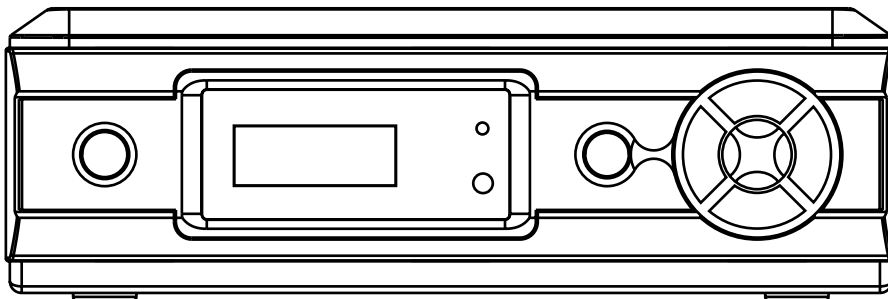


# CALIFONE®

## DVD / VIDEO CD / MP3 / CD - PLAYER

### DVD105



## OPERATION MANUAL



# PLEASE READ THE INSTRUCTION CAREFULLY BEFORE OPERATING THIS UNIT.

## WARNING

To prevent fire or shock hazard, do not expose this appliance to rain or moisture.

## IMPORTANT

Since the CD circuitry may cause interference to other radio tuners nearby, switch this unit off when not in use or move it away from the affected radio tuner.

This device complies with Part 15 of the FCC Rules, operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesirable operation.

NOTE : This equipment has been tested and found to comply within the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

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

## SAFETY CERTIFICATION

This Compact Disc Player is made and tested to meet safety standards of the FCC, requirements and compliance with safety performance of the U.S. Department of Health and Human Services, and also with FDA Radiation Performance Standards 21 CFR Subchapter J.

## DANGER



INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCK FAILED OR DEFEATED. AVOID DIRECT EXPOSURE TO LASER BEAM.

### LASER SAFETY

This unit employs an optical laser beam system in the CD mechanism, designed with built-in safeguards. Do not attempt to disassemble, refer to qualified service personnel. Exposure to this invisible laser light beam may be harmful to the human eye.

THIS IS A CLASS-1 LASER PRODUCT. USE OF CONTROLS, OR ADJUSTMENTS OR PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN, MAY RESULT IN HAZARDOUS LASER LIGHT BEAM EXPOSURE.

## SAFETY PRECAUTIONS

1. Do not open the cabinet. Refer servicing to qualified personnel only.
2. Do not expose to excessive heat, direct sunlight, dust, moisture, vibration or shock.
3. Use ONLY the AC adaptor required, others may damage your unit. Disconnect from the wall outlet when the set is not to be used for an extended period of time.
4. Use a soft dry cloth when cleaning your unit. Do not use solvents or commercially available cleaners as they may damage or discolor the finish.
5. Do not wear headphones while operating a motor vehicle, this could create a traffic hazard and is illegal in many areas.
6. The headphones supplied with your unit provide super stereo listening while allowing you to hear outside sounds when listening at normally low volume levels. Listening at extremely high volume levels minimizes the intrusion of outside noise/sounds.
7. If you notice that the sound has become weak or distorted, this is an indication that your batteries are low. Replace with new or recharged batteries. (see "BATTERY OPERATION")

## Getting Started

Before attempting to connect, operate or adjust this product, please read these instructions completely and keep this manual for future reference.

Dear customers :

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

We strongly recommend that you carefully study the operating instructions before operating the unit.


### Main Features

- Fully compatible with DVD, Video CD 1.0/1.1/2.0, CD and MP3
- DTS - digital output.
- Compatible with full DVD playback functions : multi-angle, multi-subtitle, parental control, etc.
- Advanced 10-bit video D/A converter with over 500 lines of horizontal resolution.
- Video output : Normal video output, S-Video output.
- Audio output : 2ch mixed stereo output, Coaxial digital output, Linear PCM output.
- NTSC/PAL discs compatibility.

### Features of playback specifications

- This product complies the MPEG II standard.
  - NTSC - 720 x 480
  - PAL - 720 x 576

### Features of audio specifications




-  DOLBY Digital AC-3 digital output
- DTS (Digital Theater System) digital output
- Linear PCM output

### Playback features

- Fast forwards and fast backwards
- Multi-speed slow motion playback
- Zooming playback
- Repeat / Random playback
- Programmable playback
- Numeric selection
- Time search

# Getting Started

## Disc types


	<b>Audio &amp; Video</b>	Disc size 12cm single side, single layer / single side, double layer PAL and NTSC DVD disc Playback time 135min / 240min max.
	<b>Audio &amp; Video</b>	Disc size 12cm / 8cm VCD disc Playback time 74min/20min max.
	<b>Audio</b>	Disc size 12cm / 8cm CD disc Playback time 74min / 20min max
<b>MP3</b>	<b>Audio</b>	MP3 format disc

\* **Player is CD-R, CD-RW compatible.**

Note: CD-R, CD-RW Discs recorded with writing device can only be used when they are correctly treated.

## Region Management Information

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

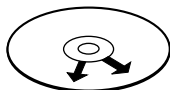
This Region number of this DVD player is  .

## Disc maintenance

- Before playback, wipe the disc from the center hole toward the outer edge with a clean cloth.
- Never use benzene, thinner, cleaning fluid, static electricity prevention liquids or any other solvent.

Note : Dirty disc may cause bad picture.

Correct



From the center to the edge

Incorrect



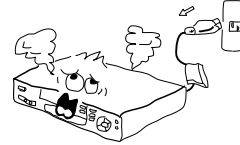
## Safety precautions

### Warning



To avoid electrical shock, do not open the cabinet, refer servicing to qualified personnel only.

### Attention



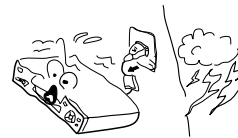
If smoke, malodor or unrelated noise are emitted from the unit, turn off the power and disconnect the AC power cord.

### Warning



Keep the unit away from flower vases, tubs, sinks, etc. If liquids are spilled into the unit, serious damage could occur.

### Attention



Touching the unit is dangerous especially if during thunder.

### Warning



Do not expose this equipment to rain or moisture.

### Attention



When left unused for a long period of time, the unit should be unplugged from the household AC outlet.

### Warning



Do not block ventilation holes of the unit so that air can circulate freely,

### Attention

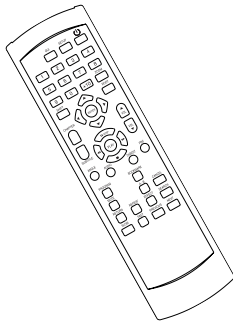


Be sure to turn the unit off and disconnect the AC power cord before cleaning the unit surface. If the surface is dirty, wipe clean with a cloth which has been dipped in a weak soap and water solution and wrung out thoroughly, and then wipe again with a dry cloth.

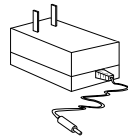
**Note:** This unit is a class 1 laser product and uses a visible laser beam which could cause hazardous radiation exposure if directed. Be sure to operate it correctly as instructed.

# Getting Started

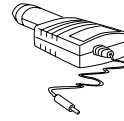
## Accessories



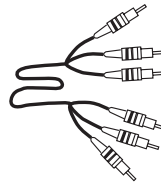
Remote Control



AC Line Cord



DC Car Adaptor (Cigarette Adaptor)

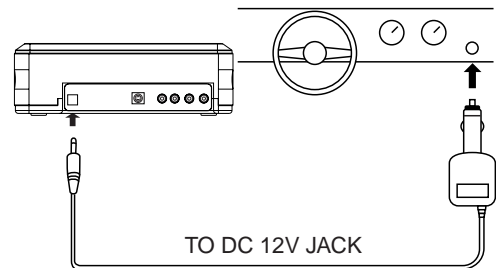


AV Cable

### DC CAR ADAPTOR (Cigarette Adaptor) / CORD

The supplied DC car adaptor/cord is designed for use with vehicles equipped with a 12 volt negative ground electrical system only. The equipment is compatible if the negative (-) terminal of the battery is connected to the vehicle's metal body/chassis. If unsure, contact the vehicles's dealer.

Plug the small end of the car adaptor into the DC 12V jack and then plug the other end into the cigarette lighter socket. This indicator lights when the power is on.



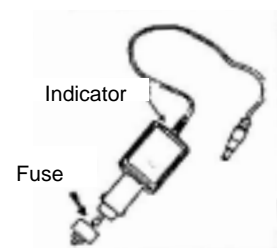
### PRECAUTIONS

- USE ONLY THE SUPPLIED DC CAR ADAPTOR/CORD PROVIDED. OTHER ADAPTORS COULD DAMAGE THE PLAYER.
- IF THE INSIDE OF THE VEHICLE'S CIGARETTE LIGHTER SOCKET IS DIRTY WITH ASHES OR DUST, THE PLUG SELECTION MAY BECOME HOT AS A RESULT OF POOR ELECTRICAL CONTACT. BE SURE IT IS CLEAN BEFORE USE.
- AFTER USE, DISCONNECT THE CORD'S PLUGS FROM BOTH THE PLAYER AND THE CIGARETTE LIGHTER.
- SHOULD THIS PLAYER CAUSE RECEPTION INTERFERENCE TO NEARBY RADIO. INCREASE THE DISTANCE BETWEEN PLAYER AND RECEIVER.

### FUSE REPLACEMENT

Should the player fail to operate with the DC car adaptor/cord, check the fuse (2.5A). If blown, check all connections and inspect the cord for any damage. Always replace the fuse with same type and rating.

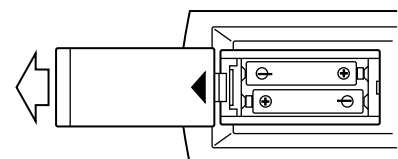
If the fuse blows again after replacement, this indicates a potential problem. DO NOT replace fuse with a higher rating. Doing so, may cause damage to the player.



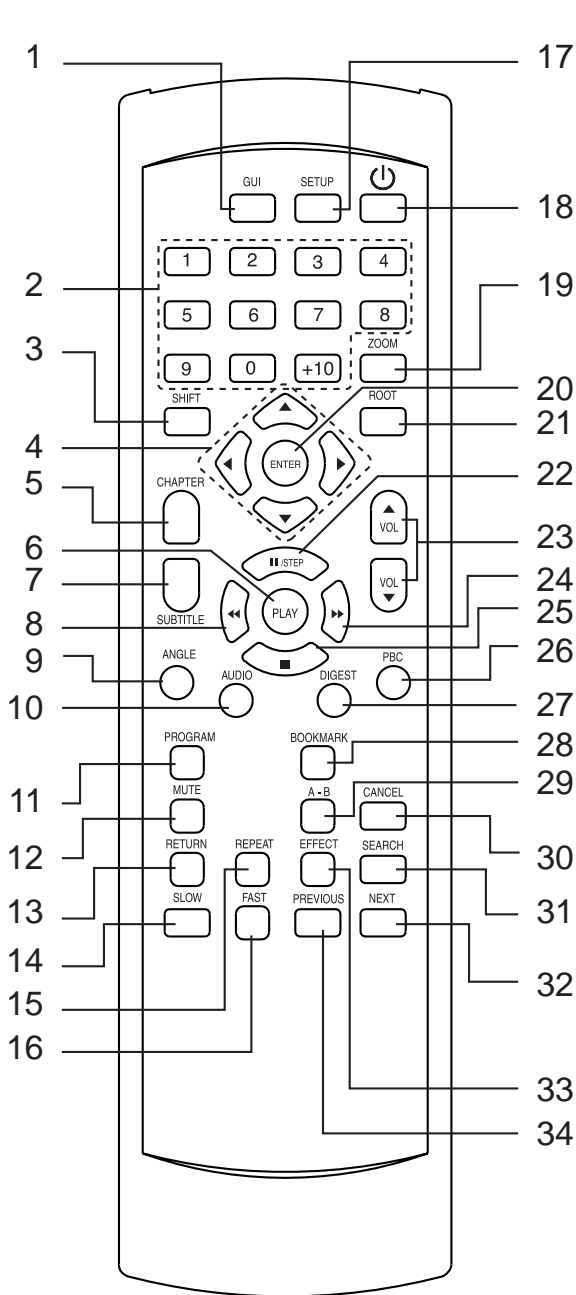
### Battery installation (remote control unit)

1. Remove the battery cover.
  2. Insert two batteries (AA, R6, UM-3 types) making sure the polarity (+/-) matches the marks inside the unit.
  3. Replace the cover.
- Do not attempt to recharge, short-circuit, disassemble, heat or throw the batteries into the fire.
  - Do not mix old and new batteries

Note : Weak batteries can leak and severaly damage the remote control unit.



# Remote Control Unit

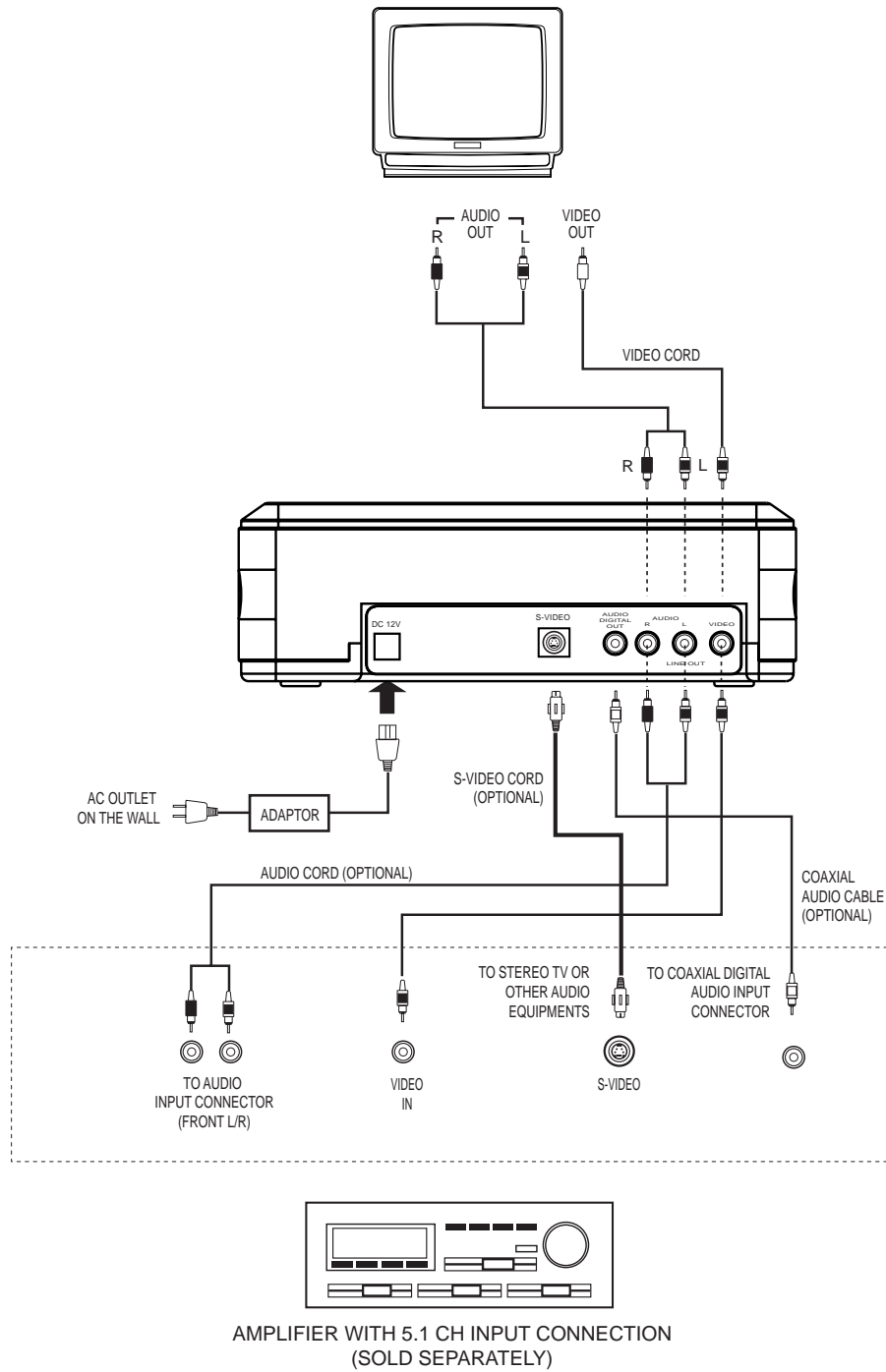


1. GUI Button
2. Numeric Buttons
3. Shift Button
4. Direction Buttons  
( Up ▲ / Down ▼ / Left ◀ / Right ▶ )
5. Chapter Button
6. Play Button
7. Subtitle Button
8. Fast Backward Button (FR)
9. Angle Button
10. Audio Button
11. Program Button
12. Mute Button
13. Return Button
14. Slow Button
15. Repeat Button
16. Fast Button
17. Setup Button
18. Power On/Off
19. Zoom Button
20. Enter Button
21. Root Button
22. Pause / Step Button
23. Volume Control
24. Fast Forward Button (FF)
25. Stop Button
26. PBC Button
27. Digest Button
28. Bookmark Button
29. Repeat A - B Button
30. Cancel Button
31. Search Button
32. Next Button
33. Effect Button
34. Previous Button

# Getting Started

## System Connection

**Warning :** Turn off the power and keep AC cord pulled out from the outlet when connecting the system.

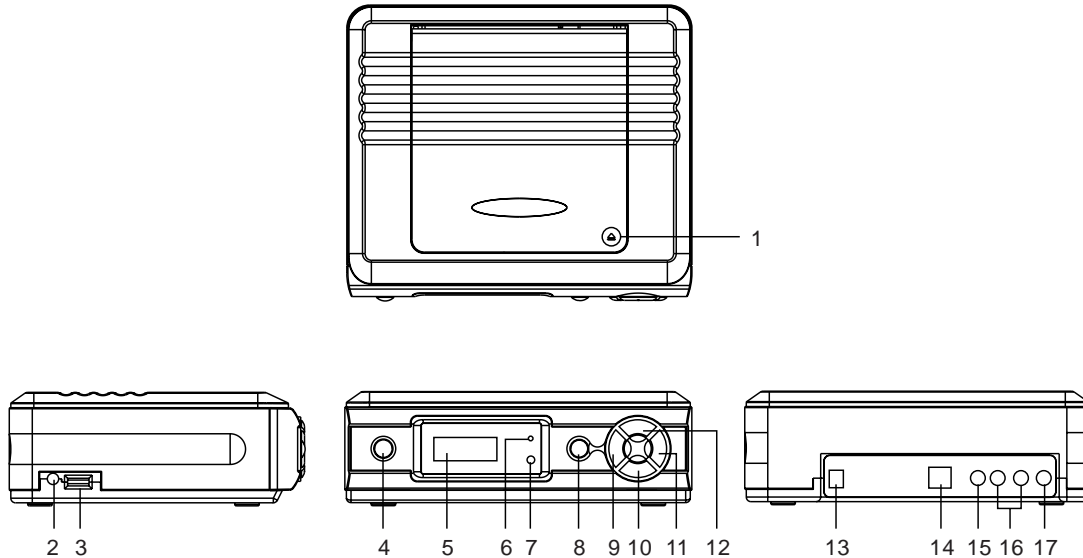




# Getting Started

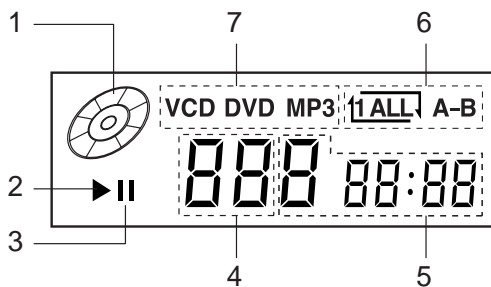
## Front Panel Control

(Most of the function can be controlled by remote control unit.)



- |                                  |                               |
|----------------------------------|-------------------------------|
| 1. Push for OPEN / CLOSE         | 10. Pause Button              |
| 2. Phone Jack                    | 11. Skip Forward Button       |
| 3. Phone Volume Control          | 12. Stop Button               |
| 4. Power Switch (Standby ON/OFF) | 13. DC 12V Input Jack         |
| 5. LCD Display                   | 14. S-Video Socket (optional) |
| 6. ON/Standby LED                | 15. Audio Digital Out Socket  |
| 7. Remote Sensor                 | 16. Line Out Jack - Audio R/L |
| 8. Play Button                   | 17. Line Out Jack - Video     |
| 9. Skip Backward Button          |                               |

## LCD Display



- |                           |
|---------------------------|
| 1. Play Mode Indicator    |
| 2. Play Indicator         |
| 3. Pause Indicator        |
| 4. Chapter / Track Number |
| 5. Playback Time          |
| 6. Repeat Indicator       |
| 7. Disc Type Indicator    |

## Function Button (Remote Control)

### POWER Button ( ) [18]

The **POWER** button is used to toggle the DVD player standby mode and power on mode.

In standby mode, make sure red LED is on; press the **POWER** button and the player will turn on, and LED will turn off, initialize, and begin to load the disc if there is a disc present.

### BOOKMARK Button [28]

This button is used to store specific portions of the disc in memory and play them immediately whenever you want without the need to search.

### A-B REPEAT Button [29]

Pressing this button once marks A, pressing it twice marks B and causes the player to repeat from A to B.

### SUBTITLE Button [7]

This button is used to select the subtitle language and enables or disables the display of subtitles from the DVD Disc.

### ANGLE Button [9]

This button is used to select the active angle, when angles are available (in DVD format only).

### SETUP Button [17]

Pressing this button while the player is in Stop mode brings up the Setup Menu.





### CHAPTER Button [5]

A DVD is divided into long sections of video and/or music, which are called Chapters. The **CHAPTER** button is used to select the chapter using the chapter menu. This is especially useful when you play a DVD that contains several titles or chapters.

### ROOT (MENU) Button [21]

Some DVDs include special menus called DVD menus. For example, DVDs with complex contents may contain guide menus, and DVDs with multiple languages may contain audio and subtitle language menus. These menus are called "DVD" menus. This button is used to select the language for the subtitles and the language for the sound, etc. In addition, this button is used to toggle PBC control while playing the DVD.

### CURSOR (DIRECTION) Button [4]

These buttons ""/""/""/"" are used to select the items in a horizontal direction or vertical direction in DVD menu mode, GUI display mode, or SETUP mode.

### ENTER Button [20]

Pressing this button selects the button highlighted currently when the player is in DVD menu mode, GUI display mode or SETUP mode.

### GUI Button [1]

This button is used to display the information of the playing disc and the operating state of the player. GUI stands for Graphic User Interface.

### RETURN [13]

When PBC is ON, this button is used to return to the previous menu screen. (For VCD only)

### PROGRAM [11]

This button is used to store the track number of the Video CD or CD. Use this feature to play the tracks in a desired order. Anywhere from two to 30 tracks can be set in a program

### FF Button (Fast Forward ) [24]

This button is used to scan forward through the audio and video at 3-level speeds as X2, X4 and X8.

FR Button (Fast Reverse ◀◀) [8]

This button is used to scan backward through the audio and video at 3-level speeds as X2, X4 and X8.

PLAY Button [6]

This button is used to play the disc.

STOP Button (■) [25]

This button is used to stop the playing of the disc.

PREVIOUS Button [34]

Press this button to move back to beginning of the previous chapter or track.

NEXT Button [32]

Press this button to move ahead to the beginning of the next chapter or track.

AUDIO Button [10]

This button is used to set or reset the virtual surround sound.

PAUSE / STEP Button (||) [22]

This button is used to pause a playing disc temporarily, and you can see the pictures step by step, too.

SLOW Button [14]

This button is used to play a DVD disc slowly at 3-level speeds as 1/2, 1/4 and 1/8.

FAST Button [16]

This button is used to play a DVD disc quickly.

ZOOM Button [19]

This button is used to view a scene close-up during playback of the disc. (DVD, Video CD).

Use Numeric buttons (0 to 9) or cursor "◀"/"▶"/"▲"/"▼" buttons to choose one zone to view a scene close up.

1	2	3
4	5	6
7	8	9

NUMERIC 1-9, 0, and +10 Buttons [2]

These buttons are used to input numbers. Use the +10 button to input numbers of 10 or over.

To input 10 : +10 → 0;

To input 25 : +10 → +10 → +5.

CANCEL Button [30]

This button is used to clear numbers that you have input.

EFFECT Button [33]

This button is used to set amount of TREBLE, BASS, 3D sound effect. (for VCD only)

MUTE Button [12]

Press this button to switch OFF the sound. Press once again to switch ON the sound.

SHIFT Button [3]

This button is used to switch TITLE MENU and current playing. (For some DVD discs only)

SEARCH Button [31]

Press this button TITLE, CHAPTER, TIME of DVD GUI will be display.

TITLE Displays the current title. Use the "◀"/"▶" button to move the cursor to the icon. Use the "▲"/"▼" button to select the required title. Press **ENTER** to confirm the selection.

CHAPTER Displays the current chapter. Use the "◀"/"▶" button to move the cursor to the icon. Use the "▲"/"▼" button to select the required chapter. Press **ENTER** to confirm the selection.

TIME Displays the current time. Use the "◀"/"▶" button to move the cursor to the 00:00:00. Input the time using the Number buttons ( 0 to 9 ), and press **ENTER** to confirm the selection.

#### DIGEST Button [27]

Press this button during VCD 2.0 higher playback, 9 frames will appear on screen, use numeric buttons (**0** to **9**) or **◀ / ▶ / ▲ / ▼** cursor buttons to choose one frame. Then press **ENTER** to start playing from the selected frame.

#### PBC Button [26]

This button is used to set PBC function to ON and OFF. When PBC is "**OFF**", the system will display the menu of VCD. Use Number Buttons (**0** to **9**, **+10**) to make your selection. When PBC is "**ON**" the system will be in sequential play mode.

#### VOLUME UP/DOWN Buttons (▲ / ▼) [23]

These buttons control volume level.

## DVD Player Operation

This chapter describe how to play a DVD, CD or VCD. Depending on the DVD or VCD, some operations may be different or restricted. Refer to the instructions supplied with your DVD or VCD disc.

Each disc placed into the DVD Player has a built-in use interface that allows you to explore the information on the disc, such as the title and chapter information. In order to access that information, you must use the remote control or front panel. The following sections describe the relationship of the remote buttons to the disc menu interface. There are a number of scenarios associated with remote button requests, some of which will, in fact, result in a Not Valid (⊙) response. Example; you press the CHAPTER button during playback mode. This button has no meaning here and will result a Not Valid message being displayed.

The DVD Player has a wide range and complete set of functions that it can perform. Some of these functions can be activated from front panel keypad, but most of them can only be accessed from the IR remote control, therefore, the following instructions describe the functions of the remote control only.

### Preparation

- Turn on the TV and select the video input source connected to the unit.
- When you want to enjoy the sound of disc from the audio system, turn on the audio system and select the input source connected to the unit.
- Set the TV screen type correctly to match your TV.

## PLAYING DISCS

### 1. Press the POWER button of the main unit

The player enters the standby mode and the STANDBY indicator above the POWER button lights up in red.

### 2. Press the POWER button on the remote control

- The player enters the operation mode and the STANDBY indicator above the POWER button will turn off and LCD will turn on.
- Each time the POWER button on the remote control is pressed, the unit toggle between the operating mode and the standby mode.

### 3. Press the OPEN/CLOSE to open the disc tray.

4. Press the **PLAY** button
  - When playing a DVD, a DVD menu or title menu may appear on the TV.
  - When playing a VCD/SVCD, a VCD/SVCD menu screen may appear, depending on the VCD/SVCD.
  - When playing a MP3/CD, a MP3/CD menu screen will appear.
  
5. Use the cursor buttons to select the desired item
  - For some discs there is a second menu screen. If so, press the **ENTER** button to display the next menu screen.
  - The cursor buttons do not work for VCDs. Use the number button to select the desired item.
  
6. Press the **ENTER** button
  - The desired item is selected and playback starts.
  - You can return to the menu screen by pressing the **CHAPTER** button and the **ENTER** button while the DVD is playing, though this depends on the disc.
  - If the Not Valid (⊗) symbol appears on the TV screen while buttons are being operated, that operation is not possible on the player or with that disc.
  - If you leave the player in pause or stop mode for 3 minutes, the screen saver image appears automatically .

#### STOPPING PLAYBACK

During playback, press the **STOP** button or **OPEN/CLOSE**.

#### Resume Function

This feature allows you to resume playback from the point where you stopped the disc.

The player automatically stores the point where the **STOP** button was pressed during play (RESUME function), so you can resume playback from that point.

1. While playing a disc, press the **STOP** button to stop playback.
  - The RESUME function works only with titles for which the elapsed playing time appears on the player's LCD during playback.
  - When the door is opened or the **STOP** button is pressed again, the RESUME function will be cleared.
  - This feature will not be cleared even if the player is set to standby mode
  
2. Press the **PLAY** button
  - The player starts playback from the point where you stopped the disc in step 1.
  - To play from the beginning of the disc, when the playing time appears on the player's LCD before you start playing, press the **STOP** button to reset the playing time, and then press the **PLAY** button.
  - Resume Play may not be available depending on the DVD.
  - Resume Play is not available in Program Play mode.
  - Depending on where you stopped the disc, the player may resume playback from a slightly different point.
  - The point where you stopped playing is cleared when :
    - You open or close the door.
    - You disconnect the AC power cord.
    - You turn off the power by pressing the **POWER** button on the player.
    - You change the play mode.
    - You start playback after selecting a title, chapter or track.

- You change the settings of TV TYPE in SCREEN SETUP in the setup display
- You change the settings of PARENTAL CONTROL in CUSTOME SETUP in the setup display.
- If you do not want to continue playing the disc, to save electricity either, press the **POWER** button on the player to turn the power off, or press the **POWER** button on the remote control unit to set the power to the standby mode.

## PLAYING AT VARIOUS SPEEDS / FRAME BY FRAME

### Playing the Still Pictures

- During playback, press the **PAUSE/STEP** button.
- Press the **PLAY** button to resume normal playback.

### Playing Frame by Frame (for DVD and VCD)

- During playback, press the **PAUSE/STEP** button.
- The picture moves forward one frame each time the button is pressed.
- Press the **PLAY** button to resume normal playback.

### Forward / Reverse Searching

During playback, press one of the **SEARCH** (▶▶ , ◀◀) buttons :

- FR ◀◀ : Reverse direction
- FF ▶▶ : Forward direction

When pressed again, the search speed increases. Each time the **SEARCH** button is pressed, the speed increase as follows : X2 → X4 → X8 → X2

- Press the **PLAY** button to resume normal playback.
- In some cases the menu screen may reappear when one of **SEARCH** buttons is pressed during menu playback on VCD/DVD/CD.

### Skipping to the Beginning of Chapters or Tracks

During playback, press one of the **SKIP** buttons (**PREVIOUS** button and **NEXT** button)

- A number of chapters or tracks equal to the number of times the button is pressed is skipped.
- When the skip back button is pressed once, the pickup returns to the beginning of the currently playing chapter or track.
- In some cases the menu screen may reappear when one of the **SKIP** buttons is pressed during menu playback on VCD/DVD/CD.

### Slow Playback (For DVD and VCD)

During playback, press the **SLOW** buttons. When pressed again, the slow play speed increases. Each time the **SLOW** button is pressed, the speed increase as follows : 1/2 → 1/4 → 1/8 → NORMAL → 1/2

- Press the **PLAY** button to resume normal playback.
- Reverse slow play is not possible.

## USING THE MENUS

### Using the Chapter Menu

A DVD is divided into long sections of a picture of music piece called Chapters. When you play a DVD that contains several chapters, you can select the title you want using the chapter menu. to use the chapter feature on your DVD player.

1. Press the **SHIFT** button
  - The “title menu” appears on the TV screen. The contents of the menu vary from disc to disc.
  - If the **SHIFT** button is pressed again, the disc returns to the point at which the title menu was called out and playback resumes from that point.
2. Press the number buttons to select the title you want to play.
3. Press the **ENTER** button

The Player starts playing the selected title. Playback also starts if the **PLAY** button is pressed.-

- Depending on the DVD, you may not be able to select the title.
- Depending on the DVD, a chapter menu may simply be called a menu or title menu in the instructions supplied with the disc.

### Using the DVD Menu

Some DVDs include special menus called DVD menus. for example, DVDs with complex contents may contain guide menus, and DVDs with multiple languages may contain audio and subtitle, language menus. These menus are called DVD menus. When you play these DVDs, you can select the language for the subtitles, the language for the sound, etc., using the DVD menu.

1. Press the **ROOT** button
  - The “root menu” appears on the TV screen. The contents of the menu vary from disc to disc.
  - If the **ROOT** button is pressed again, the disc returns to the point at which the DVD menu was called out and playback resumes from that point.
2. Press the number buttons to select the item you want to change, or press the cursor buttons (◀ / ▶ / ▲ / ▼).
3. Press the **ENTER** button
  - If more menus appear, repeat steps 2 and 3.
  - If you want to select the language for the DVD menu, change the setting using LANGUAGE SETUP in the setup display.
  - Depending on the DVD, a DVD menu may simply be called a menu in the instructions supplied with the disc.

## PLAYING VCD WITH PBC FUNCTION (PBC PLAYBACK)

When playing VCDs with PBC functions (Ver 2.0 discs), you can enjoy simple interactive operations with search functions. PBC Playback allows you to play VCDs interactively, following the menu screen on the TV screen.

1. Start Playing a VCD with PBC functions, following the Step 1 to 4 in Playing Discs.
2. Select the item number you want on the player
  - Press the number button of the item you want on the remote control unit.
3. Press the **ENTER** button
4. Follows the instructions on the menu screen for interactive operations.  
Refer to the instructions supplied with the disc, as the operating procedures may differ according to the VCD.

Going back to the menu screen:

Press the **RETURN**, **FR** or **FF** buttons.

To cancel PBC playback of a VCD with PBC functions and play the disc in continuous play mode:

1. Press the **STOP** button while the VCDs menu screen is displayed.
  - The display switched from PBC to the time display.
2. Use the number buttons to input the desired track number.

To play the disc without using the menu playback function:

- Refer to the discs jacket, etc, for the track number
- To start playback from the beginning of the disc, press the number button.

Return to menu playback

- Press the **STOP** button to stop playback, then press the **ROOT** button.
- PBC menu screen appears on the TV.

## USING THE GUI SCREENS

Use this function to display and change information on the disc (titles, chapters, time, audio, subtitles, angles, etc.) and on the player (repeat, play mode, markers, etc).

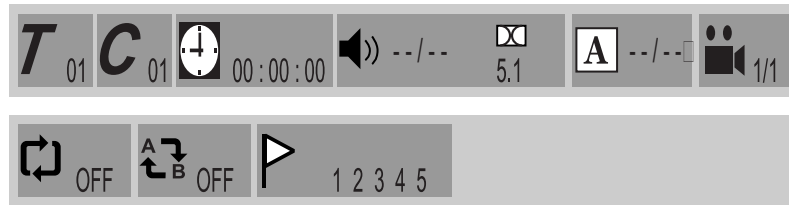
1. In the play or stop mode, press the GUI button

The GUI (Graphical User Interface) screen appears. The GUI will be different for different discs. The functions of the DVD Player are similar for DVD, SVCD, VCD and CD discs.









- The picture on the TV screen switches each time the button is pressed.



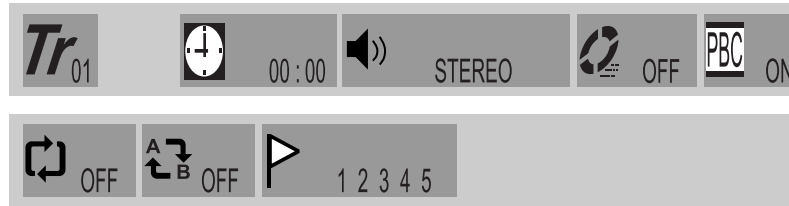
## THE ITEMS DISPLAYED DIFFER FROM DISC TO DISC



### DVD GUI

- TITLE**  
 Displays the current title. Use the "◀"/"▶" button to move the cursor to the icon. Use the "▲"/"▼" button to select the required title. Press **ENTER** to confirm the selection.
- CHAPTER**  
 Displays the current chapter. Use the "◀"/"▶" button to move the cursor to the icon. Use the "▲"/"▼" button to select the required chapter. Press **ENTER** to confirm the selection.
- TIME**  
 Displays the current time. Use the "◀"/"▶" button to move the cursor to the icon. Press **ENTER** to confirm the selection. Input the time using the Number buttons ( 0 to 9 ), and press **ENTER** to confirm the selection.
- AUDIO CHANNEL**  
 The Audio Channel selection icon. Use the "◀"/"▶" button to move the cursor to the icon. Use the "▲"/"▼" button or Number buttons ( 0 to 9 ) to select the required audio channel. Press **ENTER** to confirm the selection.
- SUBTITLE**  
Displays current subtitle language. Use the "◀"/"▶" button to move the cursor to the icon. Use the "▲"/"▼" button or Number buttons ( 0 to 9 ) to select the required subtitle language or to switch the subtitle function on or off. Press **ENTER** to confirm the selection.
- ANGLE**  
 The Multi-angle icon. Use this menu to select different angles of the pictures being played. Use the "◀"/"▶" button to move the cursor to the icon. Use the "▲"/"▼" button to select the required angle. Press **ENTER** to confirm the selection.
- REPEAT**  
 The Repeat Play function. Use the "◀"/"▶" button to move the cursor to the icon. Use the "▲"/"▼" button to select the required function. Press **ENTER** to confirm the selection.  
Repeat Chapter → Repeat Title → Repeat Disk → Repeat Off
- REPEAT A - B**  
 The Repeat Play from A to B function. Use the "◀"/"▶" button to move the cursor to the icon. Use the "▲"/"▼" button to select the required repeat play function. Press **ENTER** to confirm the selection.  
Set Start Point A → Set End Point B → Cancel Repeat.
- BOOKMARK**  
 The Set Bookmark function. Use the "◀"/"▶" button to move the cursor to the icon. Use the number buttons ( 0 to 9 ) to select the required position. Press **ENTER** to confirm the selection. At maximum, five bookmarks (1, 2, 3, 4, 5) can be set. This operation is valid only when **BOOKMARK** is displayed on the On Screen Display. you may also use the "◀"/"▶" button to move the cursor to a bookmark and press **ENTER** to jump to the position set and play.

## SVCD / VCD GUI



### TRACK



Displays the current track. Use the "◀"/"▶" button to move the cursor to the icon. Use the "▲"/"▼" button or number buttons ( 0 to 9 ) to select the required track. Press **ENTER** to confirm the selection.

### TIME



Displays the current time. Use the "◀"/"▶" button to move the cursor to the 00:00:00. Input the time using the Number buttons ( 0 to 9 ), and press **ENTER** to confirm the selection.

### AUDIO CHANNEL



The Audio Channel selection icon. Use the "◀"/"▶" button to move the cursor to the icon. Use the "▲"/"▼" button or Number buttons ( 0 to 9 ) to select the required audio channel. Press **ENTER** to confirm the selection. You may choose Stereo, Left Audio Channel or Right Audio Channel.

### PLAY MODE



Play mode selection. Use the "◀"/"▶" button to move the cursor to the icon. Use the "▲"/"▼" button or Number buttons ( 0 to 9 ) to select the required audio channel. Press **ENTER** to confirm the selection. You may select any of the three play modes: Sequential, Programmed and Random play mode.

### PBC



When PBC is "ON", the system will display the menu of VCD/DVD. Use the Number Buttons ( 0 to 9 ) to make your selection. When PBC is "OFF" the system will be in sequential play mode.

### REPEAT



Repeat Play function. Use the "◀"/"▶" button to move the cursor to the icon. Use the "▲"/"▼" button to select the required play function. Press **ENTER** to confirm the selection. Repeat Chapter → Repeat Title → Repeat Disk → Repeat Off

### REPEAT A - B



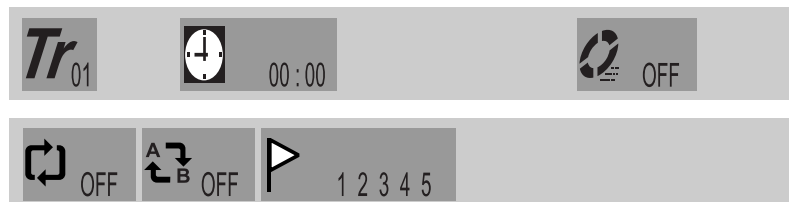
The Repeat Play from A to B function. Use the "◀"/"▶" button to move the cursor to the icon. Use the "▲"/"▼" button to select the required repeat play function. Press **ENTER** to confirm the selection. Set Start Point A → Set End Point B → Cancel Repeat.

### BOOKMARK



The Set Bookmark function. Use the "◀"/"▶" button to move the cursor to the icon. Use the number buttons ( 0 to 9 ) to select the required position. Press **ENTER** to confirm the selection. At maximum, five bookmarks (1, 2, 3, 4, 5) can be set. This operation is valid only when BOOKMARK is displayed on the On Screen Display. you may also use the "◀"/"▶" button to move the cursor to a bookmark and press **ENTER** to jump to the position set and play.

## CDDA GUI



The operations of the CDDA GUI are the same as for the VCD/SVCD GUI, with the exception that it does not offer the PBC Function.

## SETTINGS AND ADJUSTMENTS

This chapter describes how to set and how to adjust using the on-screen SETUP menu. Most setting and adjustments are required to be set when you first use the player.

### USING THE SETUP DISPLAY

Using the setup display, you can do the initial setup, adjust the picture and sound quality, and set the various outputs. You can also set a language for the subtitles and the setup display and limit play back by children.

- You can display the setup display only when the player is in stop mode.

1. Press the **SETUP** button to display the setup display on the TV screen.

2. Select the main item you want using the "▲"/"▼" buttons, and the press the **ENTER** button.

LANG	▶
VIDEO	▶
AUDIO	▶
CHILD	▶
OTHER	▶
EXIT	

To Cancel Using the Setup Display

- Press the **SETUP** button on the remote.

To Return to the Previous Menu

- Press the "◀" button on the remote.

### SETTING THE LANGUAGE FOR DISPLAY AND SOUND (LANGUAGE SETUP)

Select LANG using **RETURN** or "▶" after pressing the **SETUP** button. The Language Setup allows the user to set various languages for the on-screen display or sound.

OSD (On-Screen Display) Language Menu

The OSD Language Menu allows the user to select the language for the on-screen display. Use **RETURN** or the "▲"/"▼" buttons to select the appropriate setting. The user can select either English, German, Spanish, Italian and French for the OSD language.

LANG	▶	O.S.D	ENGLISH
VIDEO	▶	AUDIO	ENGLISH
AUDIO	▶	SUBTITLE	ENGLISH
CHILD	▶	DISC	ENGLISH
OTHER	▶		
EXIT			

Audio Language Menu

The Audio Language Menu allows the user to choose the preferred audio language. Use **RETURN** and "▲"/"▼" buttons to select the appropriate setting. The user can select English, German, Spanish, Italian and French or Original (meaning the movies original language). the user can also enter a language code to utilize other language.

Subtitle Menu

the Subtitle Language Menu allows the user to choose the preferred language for subtitles. Use **RETURN** or "▲"/"▼" buttons to select the appropriate setting. The user can select English, German, Spanish, Italian, French or Original (meaning the movies original language). the user can also enter a language code to utilize other language.

Disc Menu

The Disc Menu allows the user to choose the preferred language for the disc start menu. Use **RETURN** and the "▲"/"▼" buttons to select the appropriate setting. The user can select English, German, Spanish, Italian and French or Original. The user can also enter a language code to utilize other language.

## SETTING FOR VIDEO

Select VIDEO after pressing the **SETUP** button.

- The VIDEO SETUP allows you to set the display according to the playback conditions.

### System Settings

The TV system menu allows the user to specify the display configuration of the TV monitor. Use RETURN and the "▲"/"▼" buttons to select the appropriate settings.

- NTSC specifies display output in NTSC format.
- PAL specifies display output in PAL format

	<b>SYSTEM NTSC</b>
LANG ▶	ASPECT 4 : 3 PS
<b>VIDEO ▶</b>	OUTPUT S-VIDEO
AUDIO ▶	
CHILD ▶	
OTHER ▶	
EXIT	

### Aspect

This menu allows the user to select the aspect ratio of the TV to be connected. Use RETURN and the "▲"/"▼" buttons to select the appropriate settings.

- 4:3 LETTER BOX : Use this when you connect a normal TV to the player. This displays a wide picture with bands displayed on the upper and lower portions of the screen.
- 4:3 PAN SCAN : Use this when you connect a normal TV to the player. This displays the wide picture on the whole screen with a portion automatically cut off.
- 16:9 WIDE SCREEN : Use this when you connect a wide-screen TV to the player.
- Depending on the DVD, 4:3 LETTER BOX may be selected automatically instead of 4:3 PAN SCAN and vice versa.

### Video Output (Fixed)

## SETTING FOR AUDIO

Select AUDIO after pressing the **SETUP** button.

- The AUDIO SETUP allows you to set audio preferences according to the playback conditions.

### Source Menu

The Digital Menu allows the user to select the preferred source.

- Use the "◀"/"▶"/"▲"/"▼" cursor buttons to select DIGITAL, then press **ENTER**. By using "▲"/"▼" buttons, the user can select either DOLBY DTS or LPCM. Press **ENTER** to finalize your selection. LPCM is uncompressed data, so none of stream information is lost. However, LPCM output can only support 2 channel output. DIGITAL DTS is compressed data which can be converted to 5.1 channels. During the compression, however, some of the data is lost.

	<b>ANALOG 2 CH</b>
LANG ▶	DIGITAL DOLBY DTS
VIDEO ▶	D.R.C. ON
<b>AUDIO ▶</b>	BASS OFF
CHILD ▶	
OTHER ▶	
EXIT	

### DRC (Dynamic Range Control)

Dynamic Range Control produces a clear sound with the volume turned down.

- Use the cursor buttons "▲"/"▼" to turn the DRC ON or OFF.

### BASS Menu

The Size menu allows the user to select the size of speakers. Use the "◀"/"▶"/"▲"/"▼" cursor buttons to select BASS, then press **ENTER**. By using "▲"/"▼" buttons, the user can select either LARGE, SMALL or OFF. Press **ENTER** to finalize your selection.

- LARGE : Normally select this option.
- SMALL : When the sound cracks or the effect of the surround is difficult to hear, select this option. This activates the Dolby digital bass redirection circuitry and outputs the bass frequencies of the speaker from subwoofers.
- OFF : Select this option for audio output without bass.

### Recommended Digital Audio Output settings.

The optimum digital output setting depends on the type of component connected to the digital audio output connector.

- When connecting an amplifier with a coaxial digital input connector which does not contain the Dolby digital (AC-3) or DTS decoder, be sure to select "LPCM" at the Digital Menu.

## SETTING FOR RATING (PARENTAL CONTROL)

This section of the SETUP Menu allows users to control the content of movie playback from 1 (Children) to 8 (Adult).

### Limiting Playback by Children (Parental Control)

Select CUSTOMER SETUP after pressing the **SETUP** button. The Parental Control function allows you to set a playback limitation level.

		<b>RATING LEVEL 8</b>
LANG	▶	CHANGE PASSWORD
VIDEO	▶	CANCEL PASSWORD
AUDIO	▶	
<b>CHILD</b>	▶	
OTHER	▶	
EXIT		

1. Use the "◀"/"▶"/"▲"/"▼" cursor buttons to select CHILD, then press **ENTER**.
2. Enter a password in 4 digits using the number buttons, then press the **ENTER** button.
3. Select LEVEL using the cursor"▲"/"▼" buttons, then press the **ENTER** button and the display for setting the playback limitation level appears.
  - LEVEL 8 : for adult
  - LEVEL 7
  - LEVEL 6
  - LEVEL 5
  - LEVEL 4
  - LEVEL 3
  - LEVEL 2
  - LEVEL 1 : for kids
  - The lower the value is, the more strict the limitation.
  - Select the level you want using the cursor "▲"/"▼" buttons, then press the **ENTER** button.

### Changing and Canceling the Password

To change the password, use the cursor "◀"/"▶"/"▲"/"▼" buttons to select CHANGE PASSWORD, then press **ENTER** button. Type in the new password using the number buttons and press **ENTER**.

To cancel the password, use the cursor "◀"/"▶"/"▲"/"▼" buttons to select CANCEL PASSWORD, then press **ENTER**.

\* **Resetting code for rating setting : 6688.**

## OTHER MENU

This menu is used to change the colour of setup menu, or to reset the menu to default settings. Use the cursor "◀"/"▶"/"▲"/"▼" buttons to select OTHER, then press **ENTER**.

### Colour Menu

To change the colour of the setup menu, use the cursor "◀"/"▶"/"▲"/"▼" buttons to select COLOUR, then press **ENTER**.

Using cursor buttons, select the preferred colour (Blue, Orange, Yellow, Green, Violet).

		<b>COLOUR</b>
LANG	▶	VERSION
VIDEO	▶	FACTORY SETTING
AUDIO	▶	
CHILD	▶	
<b>OTHER</b>	▶	
EXIT		

### Factory Setting

To return the setup menu to default settings, use the cursor "◀"/"▶"/"▲"/"▼" buttons to select FACTORY SETTING, then press **ENTER**. The setup menu will return to default values.

## MP3 MENU

LEFT MENU  
(DIRECTORY TREE)

Use "▲"/"▼" button to select the required directory.

RIGHT MENU  
(SONG NUMBER)

Use "◀"/"▶" button to move the cursor from left menu to the right menu or from right menu to left menu.

When cursor in right menu, use the "▲"/"▼" button. Press **ENTER** to confirm the selection.

## SPECIFICATION

Power source (AC/DC Adaptor)	AC IN 120V 60Hz DC Out 12V
Power consumption	< 35W, approx 12W (standby state)
Laser	Wave length : 655nm Laser power : Class 1
Signal System	PAL / NTSC
Output	
Digital audio output	Coxial digital output: pin jack
Phone Jack	ø3.5mm jack with level control
S-video	Y output level: 1Vp-p (75Ω); C output level: 0.300Vp-p (75Ω) (PAL), 0.286Vp-p (75Ω) (NTSC); connector: S-terminal
Video	Ouput level: 1 Vp-p (75Ω); Connector: pin jack (1 system) 10 Bit D/A converter
Audio	Output level: CD Disc - 1.3V ±0.3 / DVD Disc - 1V ±0.3 ; 1KHz, 0dB; Connector: pin jack. 5.1ch mixed output: 1 system (2 channels) 96kHz, 24 Bit D/A converter
Audio characteristics	
Frequency	DVD (linear audio): 2Hz –22kHz (48kHz sampling); 2Hz~44kHz (96kHz sampling) CD audio: 2Hz~20kHz (EIAJ)
S/N ratio	CD audio: > 65dB
Dynamic range	DVD (linear audio): ≥ 95dB CD audio: ≥ 95dB
Total harmonic distortion	CD audio: 0.0025% (EIAJ)
Operating status	Horizontal / Vertical
Accessories	Remote Control x 1, AC/DC Adaptor x 1, AV cable x 1, DC Car Adaptor x1
Dimension	225 (W) x 190 (D) x 72 (H) mm
Weight	1.1 Kg. (without remote)

\* Design and specification are subject to change without notice.

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## TROUBLE SHOOTING

Check the following guide for the possible cause of a problem before contacting service.

Symptom	Cause	Correction
<b>No Power</b>	<ul style="list-style-type: none"> <li>The power cord is disconnected.</li> </ul>	<ul style="list-style-type: none"> <li>Plug the power cord into the wall outlet and unit securely.</li> </ul>
<b>The power is on, but DVD player does not work</b>	<ul style="list-style-type: none"> <li>No disc is inserted.</li> </ul>	<ul style="list-style-type: none"> <li>Insert a disc. (Check that the DVD or audio CD indicator in the DVD display is lit.)</li> </ul>
<b>No Picture</b>	<ul style="list-style-type: none"> <li>The TV is not set to receive DVD signal output.</li> </ul>	<ul style="list-style-type: none"> <li>Select the appropriate video input mode on the TV so the picture from the DVD player appears on the TV screen.</li> </ul>
	<ul style="list-style-type: none"> <li>The video cable is not connected securely.</li> </ul>	<ul style="list-style-type: none"> <li>Connect the video cable into the jacks securely.</li> </ul>
	<ul style="list-style-type: none"> <li>The connected TV power is turned off</li> </ul>	<ul style="list-style-type: none"> <li>Turn on the TV.</li> </ul>
<b>No Sound</b>	<ul style="list-style-type: none"> <li>The equipment connected with the audio cable is not set to receive DVD signal output.</li> </ul>	<ul style="list-style-type: none"> <li>Select the correct input mode of the audio receiver so you can listen to the sound from the DVD player.</li> </ul>
	<ul style="list-style-type: none"> <li>The audio cables are not connected securely.</li> </ul>	<ul style="list-style-type: none"> <li>Connect the audio cable into the jacks securely.</li> </ul>
	<ul style="list-style-type: none"> <li>The power of the equipment connected with the audio cable is turned off.</li> </ul>	<ul style="list-style-type: none"> <li>Turn on the equipment connected with the audio cable.</li> </ul>
	<ul style="list-style-type: none"> <li>The Digital Audio Output is set to the wrong position.</li> </ul>	<ul style="list-style-type: none"> <li>Set the Digital audio Output to the correct position, then turn on the DVD player again by pressing the POWER button.</li> </ul>
<b>The playback picture is poor</b>	<ul style="list-style-type: none"> <li>The disc is dirty.</li> </ul>	<ul style="list-style-type: none"> <li>Clean the disc.</li> </ul>
<b>The DVD player does not start playback</b>	<ul style="list-style-type: none"> <li>No disc is inserted.</li> </ul>	<ul style="list-style-type: none"> <li>Insert a disc</li> </ul>
	<ul style="list-style-type: none"> <li>An unplayable disc is inserted.</li> </ul>	<ul style="list-style-type: none"> <li>Insert a playable disc. (Check the disc type, color system and Regional code.)</li> </ul>
	<ul style="list-style-type: none"> <li>The disc is placed upside down.</li> </ul>	<ul style="list-style-type: none"> <li>Place the disc with the playback side down.</li> </ul>
	<ul style="list-style-type: none"> <li>The disc is not placed with the guide.</li> </ul>	<ul style="list-style-type: none"> <li>Place the disc on the disc tray correctly inside the guide.</li> </ul>
	<ul style="list-style-type: none"> <li>The disc is dirty.</li> </ul>	<ul style="list-style-type: none"> <li>Clean the disc.</li> </ul>
	<ul style="list-style-type: none"> <li>A menu is on the TV screen.</li> </ul>	<ul style="list-style-type: none"> <li>Press the SET UP button to turn off the menu screen.</li> </ul>
	<ul style="list-style-type: none"> <li>The Rating level is set.</li> </ul>	<ul style="list-style-type: none"> <li>Cancel the Rating function or change the rating level.</li> </ul>
<b>The Remote Control does not work properly</b>	<ul style="list-style-type: none"> <li>The remote control is not pointed at the remote sensor of the DVD player.</li> </ul>	<ul style="list-style-type: none"> <li>Point the remote control at the remote sensor of the DVD player.</li> </ul>
	<ul style="list-style-type: none"> <li>The remote control is too far from the DVD player.</li> </ul>	<ul style="list-style-type: none"> <li>Operate the remote control within about 23ft (7m).</li> </ul>
	<ul style="list-style-type: none"> <li>There is an obstacle in the path of the remote control and the DVD player.</li> </ul>	<ul style="list-style-type: none"> <li>Remove the obstacle.</li> </ul>
	<ul style="list-style-type: none"> <li>The batteries in the remote control are exhausted.</li> </ul>	<ul style="list-style-type: none"> <li>Replace the batteries with new ones.</li> </ul>

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