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# **DX-PD510**

**PORTABLE 5" LCD MONITOR AND DVD PLAYER**

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## **Owner's Manual**

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2. Apparatus Claims of U.S. Patent Nos. 4,631,603; 4,577,216; 4,819,098 and 4,907,093 licensed for limited viewing uses only.

## **A. Introduction**

Thank you for choosing the 5" portable DVD player. The main features include a 5" Screen (4:3 aspect ratio) Liquid Crystal Display (LCD) monitor and a DVD player. The unit applies the latest state of the art electronics and is designed for use in hotels, offices or your home. The unit is constructed to provide years of reliable, trouble-free service, and is compact so that you can take it with you anywhere and is designed for quick and easy installation. Please read the entire instruction manual supplied with this product prior to using. The documentation will assist you in installing the system properly to obtain the best equipment performance. Please save this manual for later use.

## **B. Cautions and Warnings**

### **1. Placement**

To prevent fire or electric shock, do not expose this appliance to rain or moisture. Do not place the set on an unstable cart, stand, tripod, bracket or table to prevent it from falling. Keep the unit away from strong magnets, heat sources, direct sunlight, and excessive dust. If the unit is brought directly from a cold to a warm location, moisture may condense inside the unit. When you move it from a cold to a warm location, wait for about one hour before operating the unit, or remove the disc and leave the unit turned on until the moisture evaporates.

### **2. Installation**

Ensure that the 5" portable DVD player is installed in accordance with the instructions and illustrations provided in this manual.

### **3. Caution**

Do not push objects of any kind into the unit through openings; do not spill or spray liquid of any kind on or in the system (this may result in a fire or electric shock). Do not place anything

heavy on the unit. To ensure proper ventilation and proper operation, never cover or block the slots and openings with a cloth or other material. Keep the unit away from an open flame such as fire, candle etc. It is hazardous to replace the battery incorrectly. Replace the battery only with the same or equivalent type, in order to protect the environment, please dispose of the battery properly. Do not use the unit in temperatures higher than 95 degrees Fahrenheit or 35 degrees Celsius.

#### **4. *Disassemble***

Do not attempt to disassemble the cabinet. There is a risk of electric shock and/or exposure to Laser Radiation. Contact qualified service personnel if your system needs repair.

#### **5. *Cleaning Unit***

When cleaning, make sure the system is unplugged from the power source. Do not use liquid cleaners or aerosol cleaners. Use a cloth lightly dampened with water for cleaning the exterior of the system only.

#### **6. *Disc***

Do not use irregularly shaped discs such as heart or star-shaped discs as they may cause the unit to malfunction. Do not stick paper, tape or glue on the disc. Do not expose the disc to direct sunlight or heat sources. Do not touch the surface of disc. Handle the disc by its edge. Clean the disc by wiping the disc from the center out with a cleaning cloth. Remove the disc from the unit and store it in its case after playing. Some playback operations of discs may be intentionally fixed by software producers. Since this unit plays discs according to the disc contents the software producers designed, some playback features may not be available. Also refer to the instructions supplied with the discs.

### C. Contents

1. 1 x 5" LCD Monitor & DVD Player Combo
2. 1 x AC to DC Adapter
3. 1 x Remote Control with battery (CR2025)
4. 1 x Rechargeable Battery
5. 1 x Cigarette Lighter Adapter
6. 1 x Instruction Manual
7. 1 x AV Cable

### D. Powering and installation

#### 1. **Powering the system indoors** (Refer to Figure 1)

Plug one end of the AC to DC adapter into the DC 9V jack on the right side of the main unit, then plug the other end into the 120V AC power outlet.

#### 2. **Powering the system in a car** (refer to Figure 1)

Plug one end of the cigarette lighter adapter into the DC 9V jack on the unit, then plug the other end into the cigarette lighter socket.

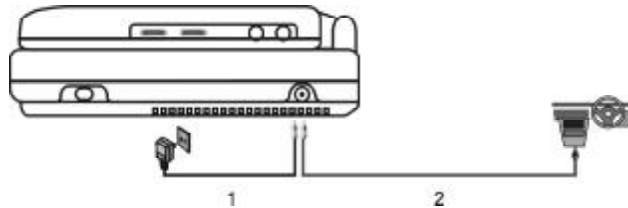
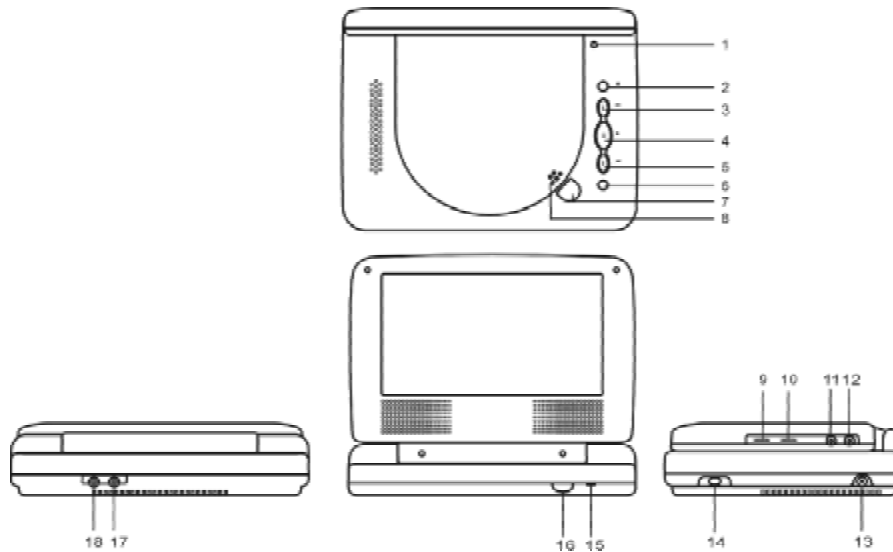


Figure 1

## E. Controls, Indicators, and Connectors

### 1. Unit View (Refer to Figure 2)

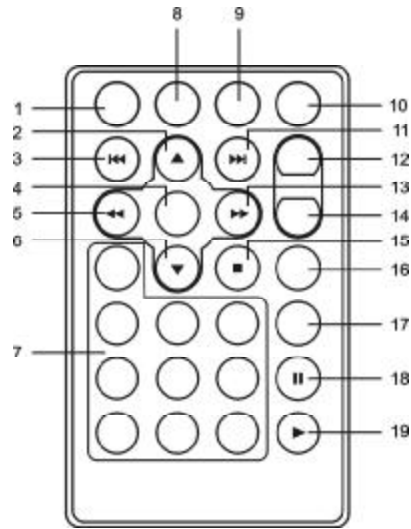


**Figure 2**

- |                               |                           |
|-------------------------------|---------------------------|
| 1) LCD Panel Shut Off Switch  | 15) Power LED             |
| 2) Stop Button                | 16) Remote Control Sensor |
| 3) Previous Button            | 17) AV In Jack            |
| 4) Play Button                | 18) AV Out Jack           |
| 5) Next Button                |                           |
| 6) Display Button             |                           |
| 7) Open Button                |                           |
| 8) Close Button               |                           |
| 9) Brightness Up/Down Control |                           |
| 10) Volume Up/Down Control    |                           |
| 11) Headphone Jack 1          |                           |
| 12) Headphone Jack 2          |                           |
| 13) DC 9V Input               |                           |
| 14) Power On/Off Switch       |                           |

## 2. Remote Control View (Refer to Figure 3)

- 1) Setup Button
- 2) Up Button
- 3) Skip- Button
- 4) Enter Button
- 5) Reverse/Left Button
- 6) DOWN Buttons
- 7) Numeric Button
- 8) Display Button
- 9) Zoom Button
- 10) Subtitle Button
- 11) Skip+ Button
- 12) A-B Repeat Button
- 13) Forward/Right Keypad
- 14) 1/All Repeat Button
- 15) Stop Button
- 16) Menu Button
- 17) Audio Button
- 18) Pause Button
- 19) Play Button



**Figure 3**

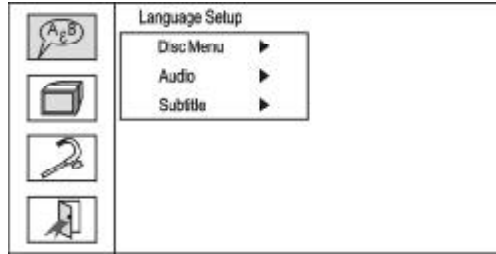
## F. Loading and Playing a Disc

- a. After connecting power to the unit, power on “DVD player” with the power switch. The power indicator will light.
- b. Open the disc tray by pressing OPEN, and place a disc into the tray with the label side facing up.
- c. Close the tray by pressing the “Close” button. The unit will load the disc and start playing.
- d. Rotate BRIGHTNESS and VOLUME to adjust the LCD’s brightness and the DVD player’s volume.
- e. To stop playing a disc, press STOP.



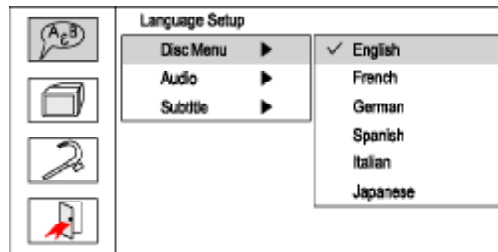
## G. Setup

Press 'SETUP' to display the Main screen of the Setup Menu on the screen. Press 'SETUP' again to exit the Setup Menu and the unit will resume its last playback mode.



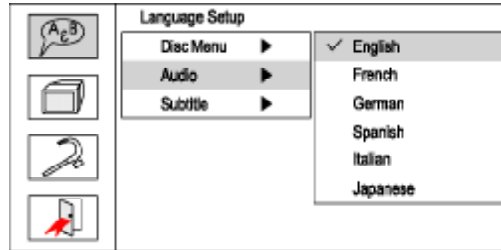
**Main Setup Menu Screen**

- 1) Press "SETUP", the 'Language Setup Page' will display on screen.
  - a). Select 'Disc Menu' using the UP/DOWN button, and then press RIGHT to enter the submenu. Select the Menu Language on the screen using UP/DOWN, and press ENTER to confirm the setting. Press LEFT to return.



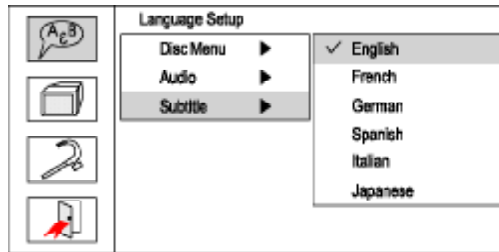
**Disc Menu Language Screen Display**

- b).Select 'Audio' using the UP/DOWN button, and then press the RIGHT button to enter the submenu. Choose Audio Language using the UP/DOWN button and then press ENTER to confirm the setting. Press the LEFT button to return.



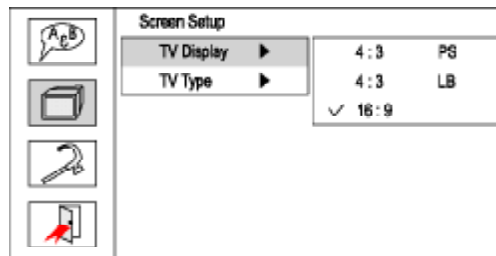
### Audio Language Screen Display

- c).Select 'Subtle' using the UP/DOWN button, and then press the RIGHT button to enter the submenu. Choose Subtitle Language using the UP/DOWN button and then press ENTER to confirm the setting. Press the LEFT button to return.



### Subtitle Language Screen Display

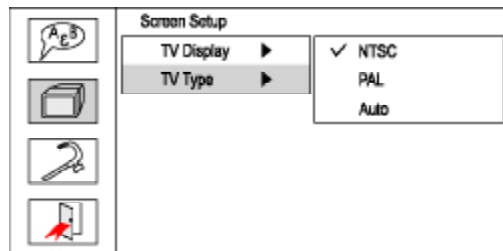
- 4). Select 'Screen Setup' using the UP / DOWN button, then press ENTER to enter the screen setup page.
  - a. Select 'TV Display' using the UP/DOWN button, then press RIGHT to enter the submenu. Select TV Display using the UP/DOWN button, then press ENTER to confirm the setting. Press LEFT to return.



#### TV Display Screen Display

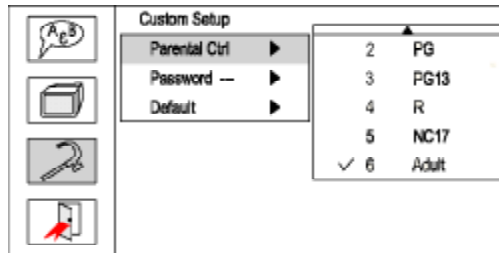
- \* 4:3 PS (Normal/PS): When the player is connected to a normal TV, and a wide picture is shown on the full screen.
- \* 4:3 LB (Normal/LB): When the player is connected to a normal TV, and a wide picture is shown on the screen with a black strip at both the top and bottom of the screen.
- \* 16:9 (Wide): When the player is connected to a wide screen TV, a wide picture is shown on the full screen.

- b. Select 'TV Type' the using UP/DOWN button, then press RIGHT to enter the submenu. Select TV Type using the UP/DOWN button, then press ENTER to confirm the setting. Press LEFT to return.



#### TV Type Screen Display

- 3). Select "Custom Setup" using the UP/DOWN button, then press the RIGHT button to enter the submenu.
  - a. Select 'Parental Ctrl' using the UP/DOWN button, then press RIGHT to enter the submenu.



**Parental Control Screen Display**

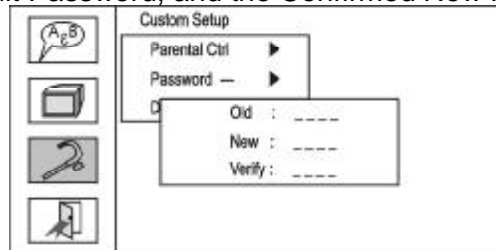
Select the parental level you desire using the UP/DOWN button for discs with lock-out function or multiple rating levels. These are listed from the lowest level (1 G) to the highest level (6 Adult):

1. G 2. PG 3. PG13 4. R 5. NC17 6. Adult

Enter a 4 digit password, then press ENTER to confirm the parental level setting.

**NOTE:** The level of 6 Adult is the factory default.

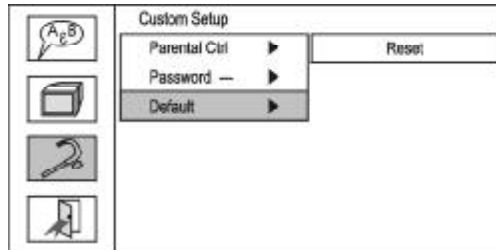
- b. Select 'Password' using the UP/DOWN button, then press the RIGHT button to enter the Password Change Page. Input the Old Password or the Default Password, and the Confirmed New Password.



**Password Setup Page Screen Display**

- c. Select 'Default' using the UP/DOWN button, then press RIGHT to enter the submenu. Press ENTER to make the setting return to the factory-set mode.

**NOTE:** The parental setting is not affected by the default reset function.



**Default Screen Display**

**NOTE:** The Default Password is **3308**. This password is always effective even after you have selected your own password and changed it. To avoid the possibility of others using the default password to set the parental level and change the password, you can record this default password in another area and delete it from this manual. Some discs can be limited depending on the age of users while some discs cannot.

- 4) Select "Exit" using UP/DOWN button, then press ENTER button to exit Setup screen display



**Exit Screen Display**

## H. Basic Operation

POWER	Turn the unit on/off
OPEN	Remove/load the disc
PLAY	Start Play/Execute item or setting
PAUSE	Still Picture
STOP	(1 time) Stop at the present playing point / (2 times) Stop playing
SKIP+	Go to the next chapter, track or scene during playback
SKIP-	Go back to the previous chapter, track or scene during playback
FORWARD	Scan forward at 2, 4, 8, 16 or 32 times speed
REVERSE	Scan backward at 2, 4, 8, 16 or 32 times speed
LEFT/RIGHT/UP/DOWN	Used for Menu Navigation
ENTER	Execute item or confirm setting
NUMBERS	Select item or setting
MENU	Display the main menu of the disc
1/ALL REPEAT	Repeat playing title, chapter, or track
A-B REPEAT	Repeat a specific portion from point A to point B of the disc
DISPLAY	Display information (title, chapter, track, time, etc.).
SUBTITLE	Select the subtitle language and turn it on/off
AUDIO	Select the audio language
ZOOM	Enlarge an image to 2 or 4 times the original size.
SETUP	Display the setup menu to select and set items, and exit the setup menu.

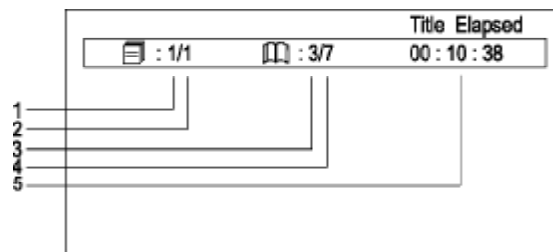
## I. Menu

A DVD is divided into sections called titles and chapters. When you play a DVD, a root menu of the disc will appear on the screen of your TV or Monitor. The contents of the menu vary from disc to disc. Press MENU during playback to display the menu. Some DVDs only allow you to select disc playback options using the DVD root menu.

## J. Display

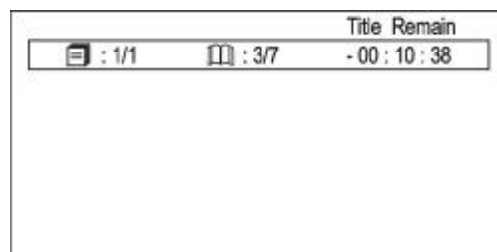
### 1. PLAYING TIME AND REMAINING TIME

- a. During playback press the 'DISPLAY' button to display the current Title Number (1), the total Number of Titles (2), the current Chapter Number (3), the total Number of Chapters (4), and the Playing Elapsed Time for the title (5). The heading will disappear automatically after 3 seconds if DISPLAY button is not pressed.



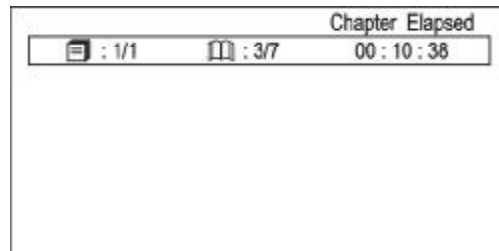
**Title, Chapter Number, and Time Screen Display**

- b. Press 'DISPLAY' again to display the Remaining Time of the title. The heading will disappear automatically in 3 seconds.



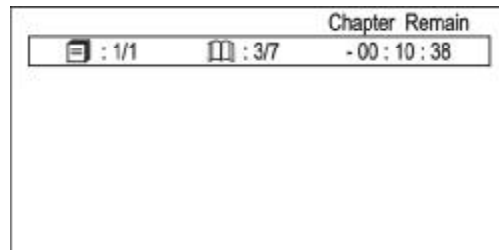
**Title Remaining Time Screen Display**

- c. Press 'DISPLAY' a third time to display the Elapsed Time for the chapter. The heading will disappear automatically in 3 seconds.



**Chapter Elapsed Time Screen Display**

- d. Press 'DISPLAY' a fourth time to display the Remaining Time for the chapter. The heading will disappear automatically in 3 seconds.



**Chapter Remaining Time Screen Display**

- e. Press 'DISPLAY' a fifth time to exit, 'Display Off' will be displayed and will disappear automatically in 3 seconds.

## **2. SUBTITLE**

During disc playback press 'SUBTITLE' to select the subtitle language you desire\*, with the current Subtitle Language Number (1) and the total Number of Subtitle Languages (2) displayed. If there are multiple languages press 'SUBTITLE' again to select another subtitle language. To turn subtitles OFF, press the 'SUBTITLE' button until 'Subtitle Off' is displayed. The Subtitle display will disappear automatically if the 'SUBTITLE' button is not pressed again within 3 seconds.



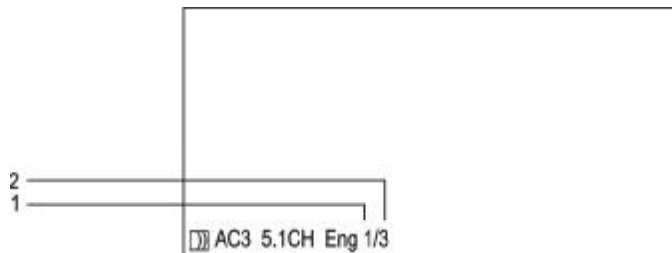


### Subtitle Screen Display

\* Some DVDs only allow access to this function through the DVD menu.

### 3. AUDIO

During playback press 'AUDIO' to select the audio language you desire\*, with the current Audio Channel Number (1) and the total number of Audio Channels (2) displayed. Press AUDIO again to select another audio language. The audio display will disappear automatically if the 'AUDIO' button is not pressed within for 3 seconds.



### Audio Language Screen Display

\* Some DVDs only allow access to this function through the DVD menu.

#### 4. ZOOM

During playback press 'ZOOM' to enlarge the picture by 2x or 4X with the current zoom multiplier shows. (1) Press "zoom" one time, the picture will be enlarged 2X. (2) Press "zoom" a second time, the picture will be enlarged 4X. (3) Press "zoom" a 3th time, the picture will return to normal size.



**Zoom Screen Display**

#### 5. A-B REPEAT

- a. During playback press 'A-B' the first time to set the Starting Point A.



**A-B Repeat Starting Point Screen Display**

- b. Press 'A-B' a second time to set the Ending Point B and the player will repeatedly play the part between Point A and Point B.



#### **A-B Repeat Ending Point Screen Display**

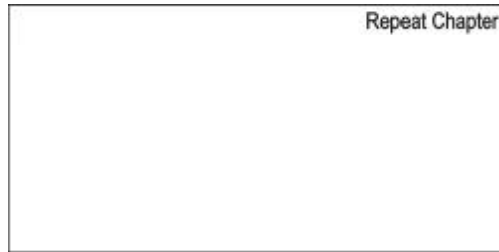
- c. Press 'A-B' a third time to cancel A-B repeat and resume playback.



#### **A-B Repeat Cancelled Screen Display**

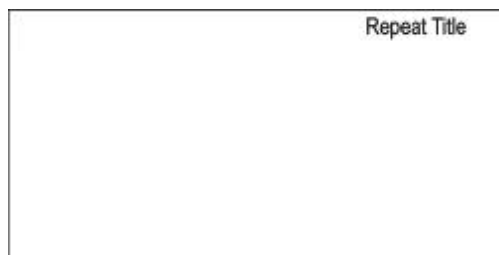
### **6. 1/ALL REPEAT**

- a. During playback press '1/ALL REPEAT' once to repeatedly play the current chapter.



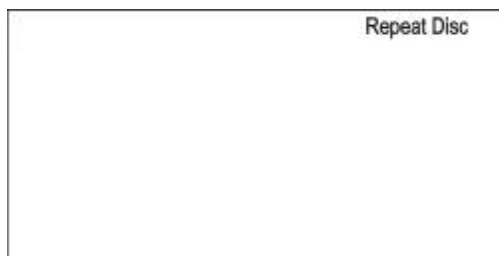
**Chapter Repeat Screen Display**

- b. During playback press '1/ALL REPEAT' again to repeatedly play the current title.



**Title Repeat Screen Display**

- c. During playback press '1/ALL REPEAT' a third time to repeat whole disc.



**Disc Repeat Screen Display**

- d. Press '1/ALL REPEAT' a fourth time to resume normal playback.

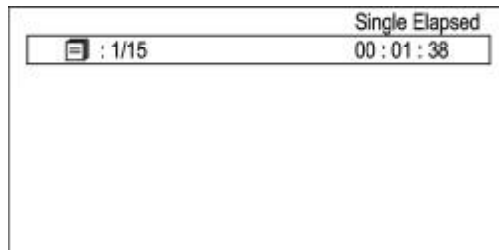


**Repeat Off Screen Display**

### **K. Playing Audio CDs**

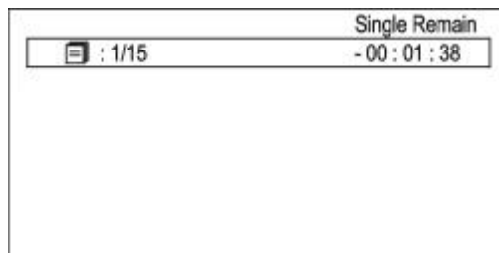
When playing an audio CD press the DISPLAY button on the remote to view time information. The options below show you what information is available using this function.

- a. The current track and playing time of that track will be displayed on the screen.



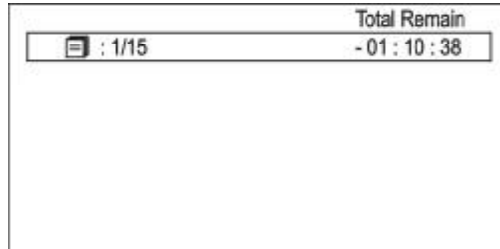
**Single Elapsed Screen Display**

- b. Press 'DISPLAY' one time and *Single Remain* appears along with the current track playing and the amount of time left.



**Single Remain Screen Display**

- c. Press 'DISPLAY' a second time and *Total Remain* appears along with the current track playing and the total time left.



**Total Remain Screen Display**

- d. Press 'DISPLAY' a third time and *Display Off* appears along with no display.



**Display Off Screen Display**

### **USING THE REPEAT FEATURE**

The default mode for the Repeat feature is OFF. Pressing REPEAT consecutively changes the repeat options:

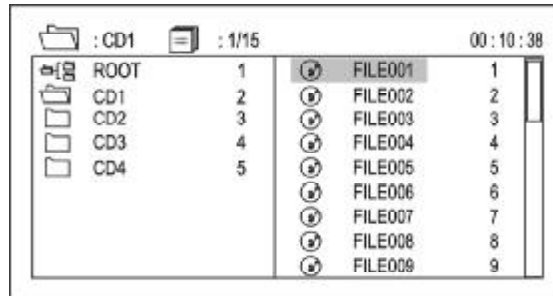
- *Track*- repeats the track that is playing.
- *Disc*- repeats the disc that is playing.
- *Off*

As you toggle through the options, the repeat option changes. The selected repeat option loops repeatedly until you turn it off.

## L. Playing MP3 Discs

MP3 is a format for storing digital audio. An audio CD-quality song is compressed into the MP3 format with very little loss of audio quality while taking up much less disc space. CD-R /RW discs that have been encoded in MP3 format are compatible with this system.

Insert a MP3 CD, the DVD player will initialize the disc and the directory (folder) will be shown on the TV screen.



### MP3 MENU Screen Display

When a MP3 disc is inserted into the unit, the menu screen appears and plays the MP3 automatically. You can use the menu screen to change folders and songs. The system plays the songs in the order they were burned onto the disc.

1. Press the ▲ or ▼ button to choose a folder from the folder list on the left side of the screen.
2. Press ENTER to select the highlighted folder. The songs available under the folder will be listed.
3. Use ▲ or ▼ button to choose a song from the list. Press ENTER to select and begin playback of the highlighted song.

Use the ►► ( NEXT ) button to move to the next song. Press the ◀◀ (PREVIOUS) button to move to the beginning of the previous song.



### **USING THE REPEAT FEATURE**

The default mode for the Repeat feature is OFF. Pressing REPEAT consecutively changes the repeat options:

- Repeat One
- Repeat Folder
- Repeat Off

As you toggle through the options, the repeat option changes. The selected repeat option loops repeatedly until you turn it off.

### **NOTICE**

- “” icon in front of a file name indicates that this is a folder, not an MP3 file.
- “” icon in front of a file name indicates that this is a MP3 file.

### **M. Playing JPEG file**

- 1) Load the JPEG Disc into the tray and the disc is played automatically.
- 2) Select a JPEG file by pressing “UP/DOWN” button.
- 3) You can preview the JPEG file by pressing “PLAY” or “ENTER”.
- 4) Pressing the “LEFT” Key will rotate the picture 90 degrees counterclockwise. Pressing the “RIGHT” Key will rotate the picture clockwise.
- 5) When browsing the photos, you can reverse the photo horizontally by pressing “UP” key, or you can reverse the photos vertically by pressing “DOWN” key.
- 6) When previewing the file, if you press “DISPLAY”, “SUBTITLE”, “AUDIO”, “AB”, “STOP”, a hand icon will appear on the display meaning that these options are not available.

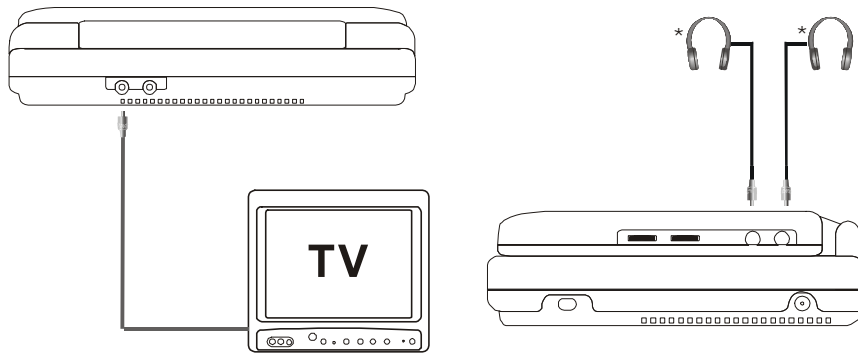


- 7) Press "MENU" to browse the JPEG files. A menu will appear on the screen and press "PLAY" to return.
- 8) Press "Play" or "OK", to play the JPEG file.

**N. Connecting to a TV or another monitor ( Refer to Figure 4)**

You can also connect the DVD player to a TV to enjoy high quality stereo sound and picture on another monitor.

1. Connect one end of the audio/video cable's black (1/8" plug) plug into the unit's DVD AV Out jack, and connect the other end to the AUDIO INPUT jacks on your TV or Monitor (white = left channel, red = right channel).
2. Connect the yellow plug to the VIDEO INPUT jack on your TV or Monitor.



**Figure 4**

\*Optional wired headphones may be used with the unit. Simply plug in the headset to either Headphone 1 jack or Headphone 2 jack on the right side of the monitor.

Note: Plugging into Headphone jack 1 disables the internal speakers.

## O. Specifications

Compatible DISC: DVD/CD/MP3  
Signal system: DVD--NTSC/PAL + Monitor--NTSC  
Panel size: 5 inch  
Frequency response: 20 Hz to 20 kHz  
Video output: 1 V<sub>p-p</sub>/75 Ohm, unbalanced  
Audio output: 1.4V<sub>rms</sub>/10kOhm  
Audio S/N: Better than 60 dB  
Dynamic range : Better than 85 dB  
Laser: Semiconductor Laser, Wave Length: 650 nm/795 nm  
Power source: DC 9V  
Power consumption: 12 W  
Operating temperature: 5~35°C  
Weight : 0.67 kg  
Dimensions (W x D x H): 8.07 X 5.98 X1.57inches  
205 x 152 x 40mm  
Battery Type: NiMh

## P. Rechargeable Battery Installation and Use

The player utilizes a set of long-life NiMh batteries for a portable power supply. NiMh batteries feature high storage capacity and low level of degradation. This means the NiMh batteries do not have “Memory Effect” and thus can be recharged safely regardless of whether the battery is fully or only partially discharged. Please fully charge the battery prior to first use.

**NOTE:** When the DVD player is used with the battery as a power source, ensure that the battery has been charged for at least eight hours prior to connecting it to the DVD player.

If you plan not to use the battery for an extended period of time (one week or longer), we recommend that you first fully charge the battery and store it away properly. For longer periods of storage, please recharge the battery at least once every two months to maintain the battery in optimum condition. Under no circumstances short the battery terminals, store the battery in a metal container, or leave the battery in a humid or damp environment. Ideally, store the battery in an

airtight container with desiccant or other dehumidifying agent. Each full recharge takes approximately five-hours and one full charge can provide power to the player for approximately 2 hours.

During recharge, the red indicator will stay on. Once fully recharged, the red light will turn off. At this point you may remove the wall plug and stop charging.

**Precautions Related to Battery Recharge:**

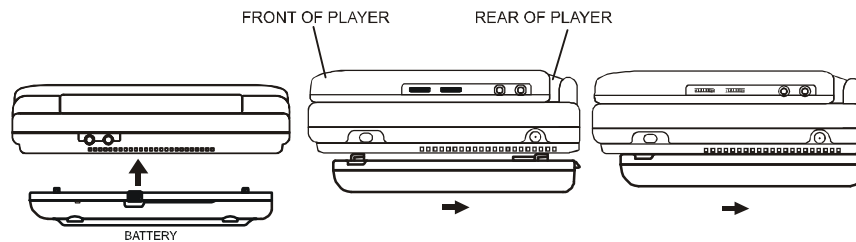
1. Once the battery is fully discharged, immediately recharge (regardless of whether you plan to use battery or not) in order to maximize battery life.
2. To charge the battery, please connect the power jack directly into the unit and leave the Power switch in the OFF position.

**Using and Maintaining your Rechargeable Batteries**

1. Please make sure you always use **only** the AC adapter included with the player to recharge your batteries.
2. Recharge efficiency will degrade when environmental temperatures drop below 50°F (10°C) or exceed 95°F (35°C).
3. Please remove battery from the player and store it properly if the player is not to be used for long time. During this period, please recharge the battery at least once every two months to avoid irreparable damage to the battery.

### Installing the Battery Pack:

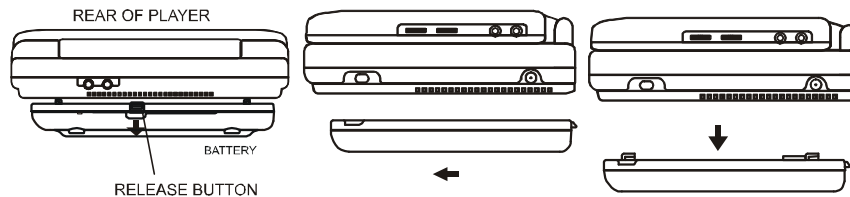
1. First, make sure the player is in 'Stop' mode and that the AC power supply has been disconnected.
2. Close the player cover.
3. Align the battery pack with the player module's front edge.
4. Push the battery towards the rear of the player until it locks into position. The lock position is indicated by a click. The unit will fit snugly to the player.



### Installing the DVD Player Battery

### Removing the Battery Pack:

1. First, make sure the player is in 'Stop' mode and that the AC power supply has been disconnected.
2. Press the release button in the down direction.
3. Slide the battery towards the front of the unit.



### Removing the DVD Player Battery

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