# Palsonic

**DVD Player**

**PVP-150**

**USER'S MANUAL**

# Introduction

Thank you for choosing the 7" portable DVD Player. The unit applies the latest state of the art electronics and is designed for use in hotels, offices, vehicles or your home. The DVD Player 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 setup. Please read all documentation prior to using this product. The documentation will assist you in obtaining the best equipment performance. Save this manual for later use.

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## Important Notice

It is unlawful in most jurisdictions for a person to drive a motor vehicle which is equipped with a television viewer or screen that is located in the motor vehicle at any point forward of the back of the driver's seat, or that is visible, directly or indirectly, to the driver while operating the vehicle. In the interest of safety, this system should never be installed where it will be visible, directly or indirectly, by the operator of the motor vehicle.

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## Safety Precaution

For safety reasons, when changing video media, it is recommended that the vehicle is not in motion, and that you do not allow children to unfasten seat-belts to change video media or make any adjustments to the system.

Enjoy your entertainment system but always remember-safety of all passengers remains the number one priority.

# Important Safety Instructions



CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN!
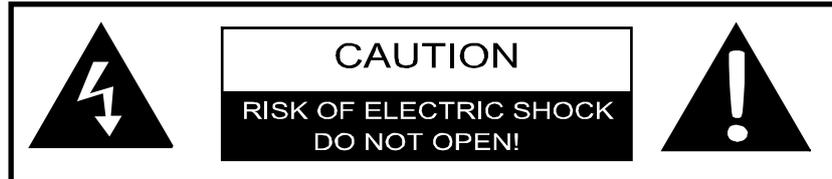
The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "Dangerous Voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

CLASS 1
LASER PRODUCT

**CAUTION: Laser radiation when open. Do note stare into beam.**

CAUTION: USE OF ANY CONTROLS, ADJUSTMENTS, OR PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

### CAUTION

1. The product contains a low-power laser device. In order to ensure the safety of the laser device, do not remove any cover and attempt to repair the unit. If any service is needed, please contact the distributor or its authorised service centre.
2. To reduce the risk of electric shock, do not remove the cover (or back). No user-serviceable parts inside. Refer servicing to qualified service personnel.
3. Unplug the product from the wall outlet before servicing or when it is unused for a long period of time.
4. The manufacturer should not hold responsibility for the damage caused by any substitutions and modifications of the product without authorisation from the manufacturer or authorised unit.
   Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.

### WARNING

The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.

# Important Safety Instructions

## Note:
1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Maintain well ventilated conditions around the product. Do not put product on bed, sofa or anything that blocks ventilation. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Read, heed and follow all instructions to ensure correct and safe installation and inter-connection of the apparatus.
10. The apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.
11. The mains socket outlet shall be installed near the apparatus and the mains plug shall remain readily operable.
12. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
13. Only use attachments/accessories specified by the manufacturer.
14. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
15. Unplug this apparatus during lightning storms or when unused for long periods of time.
16. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
17. The apparatus shall be connected to a mains socket outlet with a protective earthing connection.

# Important Safety Information

**Copyright Protection**

This product incorporates copyright protection technology that is protected by U.S. patents and other intellectual property rights. Use of this copyright protection technology must be authorised by Macrovision, and is intended for home and other limited viewing uses only unless otherwise authorised by Macrovision. Reverse engineering or disassembly is prohibited.

> **_IMPORTANT FOR LASER PRODUCTS_**
> **1. CLASS 1 LASER PRODUCT**
> **2. DANGER:** Visible laser radiation when open and interlock failed or defeated. Avoid direct exposure to beam.
> **3. CAUTION:** Do not open the top cover. There are no user serviceable parts inside the unit. Leave all servicing to qualified service personnel.

**Region code information**

DVD players and discs are coded by region. If the region number described on the DVD disc does not correspond to the region number of this product, this product cannot play the disc. The region code of this unit is 2.

# Table Of Contents

# Function Features

**High Resolution**
MPEG2 decoding format achieves more than 500 lines of horizontal resolution

**LCD (Liquid Crystal Display) Screen**
7" Colour LCD screen.

**Shock-Resistant Function**
Electronic shock-resistant design makes it possible to be used as a car-loaded DVD player.

**Compatibility**
Plays DVD disc and compatible with CD and JPEG discs, etc.

**OSD (On Screen Display) Language**
Support multi-languages OSD. You can choose from English, French, Spanish, etc.

**Audio Output**
Analog audio output can be connected to external amplifier.

**Unique Playback Operatio**n
Supports multi-language, fast/slow playback and repeat playback.

**Last Memory Playback**
Memorise the stopped playback track and continue playing disc from this spot in the case you open the disc tray cover by accident and then you start playback again.

# Description - Front Panel
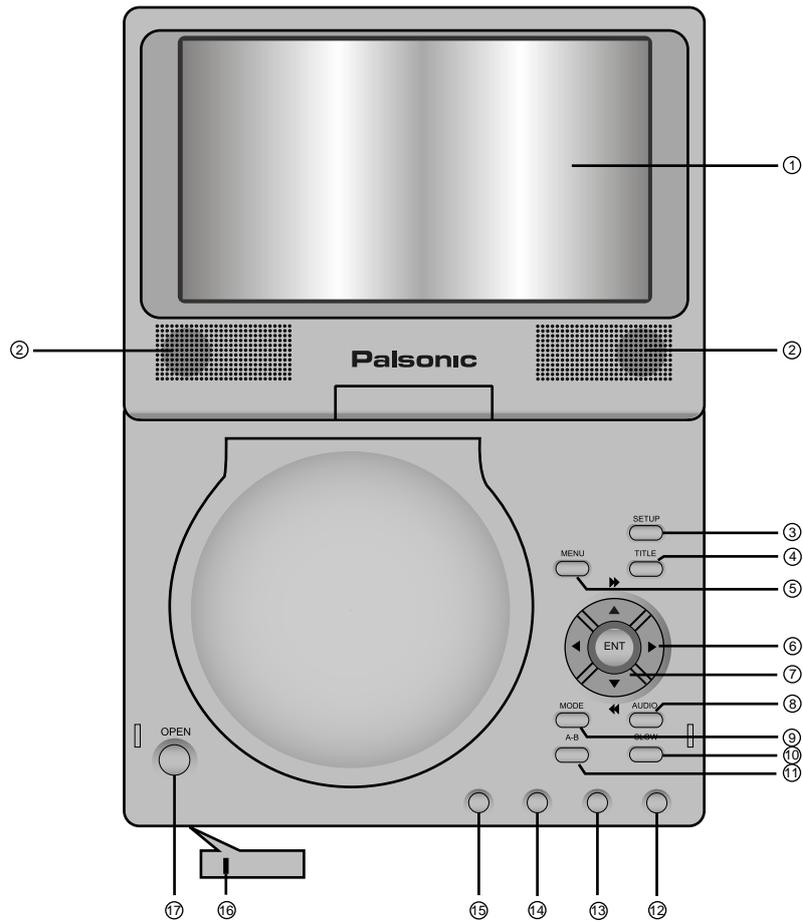


1. **LCD Screen**
   Present a high-resolution picture.
2. **Speaker**
   Two speakers produce stereo sound.
3. **SETUP button**
   Press to enter the player's system setup.

# Description - Front Panel

**4.    TITLE button**

Press to display the title menu if it exists in the disc.

**5.    MENU button**

Press to display or cancel the menu.

**6.    Direction buttons ( ◄ ▲ ▼ ► )**

Press to select menu items or settings.
The ▲ ▼ buttons are also used as the ►► ◄◄ buttons to search forward fast and search backward fast respectively.

**7.    ENT button**

Press to confirm selection.

**8.    AUDIO button**

Press to select different languages when a DVD disc that contains multiple audio languages is played. Press to select different audio track when a CD disc is played.

**9.    MODE button**

Press to change the aspect ratio or change the brightness and colour level.

**10.    SLOW/+ button**

This is a complex button.
Press it directly to activate the slow playback function.
Press the MODE button and then press this button to increase the value of brightness and colour.

**11.    A-B/- button**

This is a complex button.
Press it directly to play a certain selected segment repeatedly.
Press the MODE button and then press this button to decrease the value of brightness and colour.

**12.    ►►| NEXT button**

Press to skip to the next list, track or chapter.

**13.    |◄◄ PREV button**

Press to return to the previous list, track or chapter.

**14.    ■ (Stop) button**

Press to stop playback. Then press the ►►| button to resume playback from the stopped spot. Press this button twice to stop playback completely.

**15.    ►►|| (PLAY/PAUSE) button**

Press once to pause the playback, and press it again to resume the playback.

**16.    Charge indicator**

Lights red when the battery is charged and turns green when the charge is over.

**17.    OPEN button**

Push to open the disc tray cover.

**18.    Disc tray cover**

When the disc is loaded gently press the cover to close it.

# Description - Right and Left Panels

## Right Side View
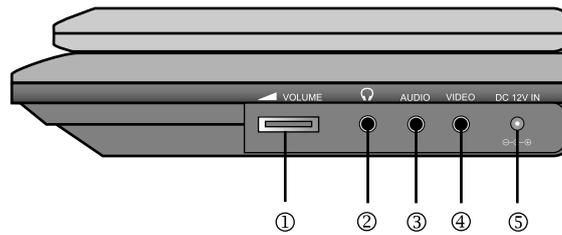


**1. Volume Control**
Used to adjust the volume of the headphone and speaker.
**2. Headphone Jack**
Used to connect headphones for private listening. When the headphones are
connected to this jack, the speaker will be turned off automatically.
**3. Audio Output Jack**
Used for audio output.
**4. Video Output Jack**
Use for connecting to an external monitor.
**5. DC 12V Input Jack**
Used to connect the power adapter, including the car adapter.

## Left Side View
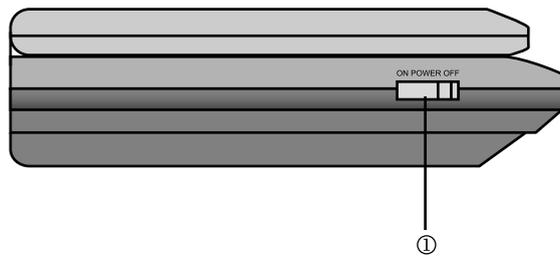


**1. Power Switch**
Used to turn the power on or off.

# Description - Bottom Panel
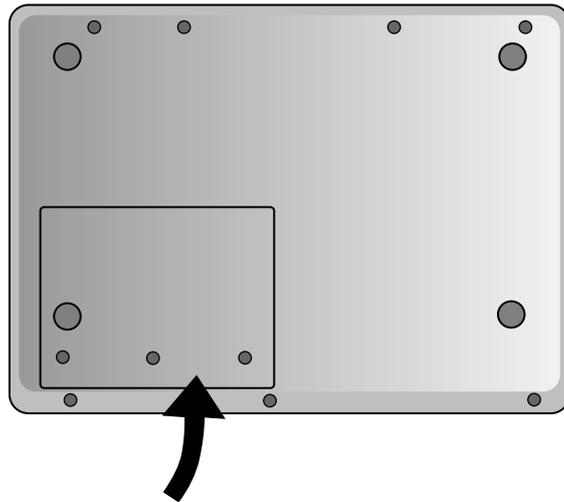


Built in great capacity rechargeable lithium ion battery

**Note: Unprofessional persons are not allowed to open the cover of the rechargeable battery.**

# System Connections

    ▷    Always ensure that the DVD player, TV and any other electrical equipment that connecting with DVD player is switched off and unplugged from the power supply.

    ▷    Ensure that you observe the colour coding when connecting audio and video cables.

## Connecting to A TV

Follow the drawings below to connect the DVD player to TV's Audio/Video inputs with Audio/Video cables.
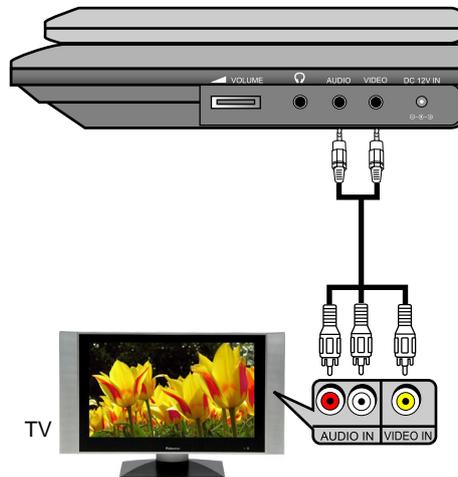
# System Connections

## Connecting to An Amplifier

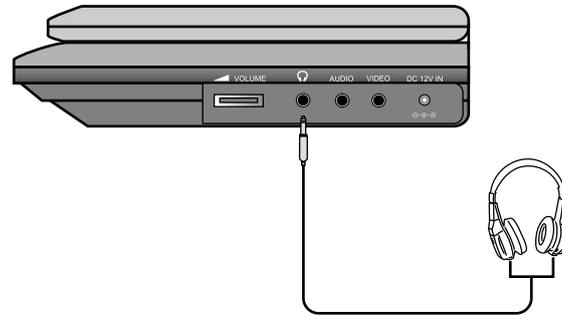Before connecting to amplifier, please refer to your audio equipment's manual first.
Follow the drawings below to connect the DVD player to AV amplifier.
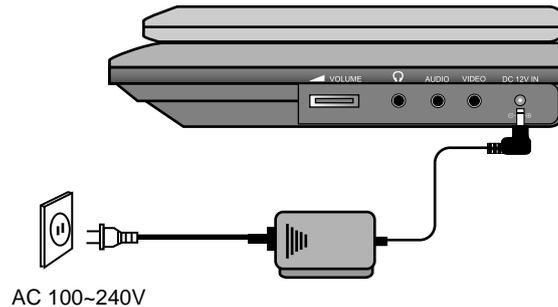
VOLUME    AUDIO   VIDEO   DC 12V IN

AUDIO IN

AMPLIFIER

AUDIO IN   VIDEO IN

TV
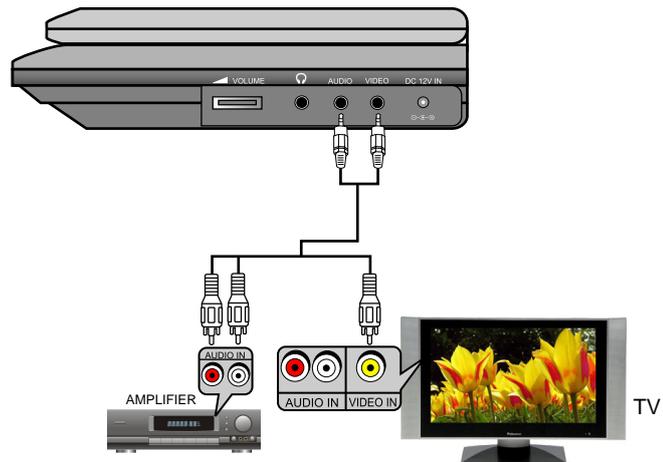
## Connecting to Headphones

Connect the headphones to the right side of the player for private listening

VOLUME    AUDIO   VIDEO   DC 12V IN

# Power Supply Connections

## Using of the Power Adapter



AC 100~240V

The player comes with a power adapter.
1.    Plug one end of the power adapter in to the slot marked DC 12V IN on the right
      side of the DVD player (as the figure shows above).
2.    Plug the other end of the power cord to a grounded outlet.

Note: 1. Please turn the player's power off before unplugging.
      2. In the case of using the adapter, the LCD screen will be lighter than using the
         rechargeable battery.

## Using of the Car Adaptor



cigarette
lighter
socket
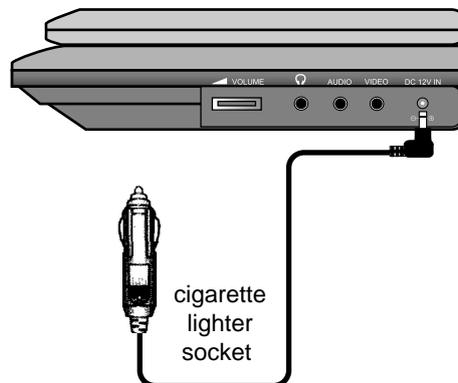
You can use car adapter while in a vehicle:
Connect one end of the car adapter to the unit's DC 12V IN jack and the other end to
the vehicle cigarette lighter socket as the figure shows above.

### Attention
▷        Do not operate the unit or view video while driving a vehicle.
▷        Place the unit in a proper position for viewing.
▷        We advise you to disconnect the player from the cigarette lighter at the instant
         when the car is starting up.

# About the Rechargeable Battery

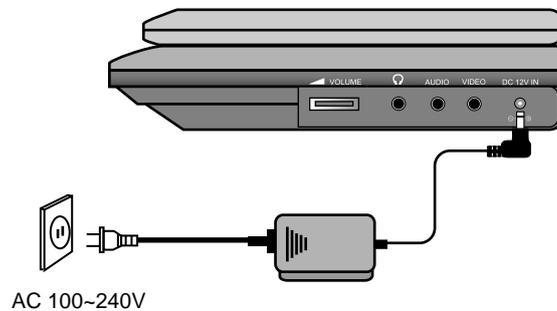## Rechargeable Battery Pack

Your portable DVD player comes with a built-in lithium ion rechargeable battery in the DVD player. Charge the battery fully before initial use. Charging time is normally about 6 hours. A fully charged battery delivers about 3 hours of use but playing time varies from disc to disc.

## Working conditions and precautions for the rechargeable battery

▷ New battery should be fully charged before initial use.
▷ Battery should only be used and charged when temperature is between 32-100F.
▷ Maintain well-ventilated conditions around the product to avoid overheating. Don't put the product on a bed, sofa or anything that may block ventilation to the product.
▷ When the charge of the battery is weak, low power mark will appear on the LCD screen and several minutes later, the player will turn off automatically.
▷ It will be longer to charge the rechargeable battery full during the playback.

## Charging the Battery Pack

Use the AC adaptor and follow the connection below to charge the rechargeable battery.



AC 100~240V

Note: When charging the battery pack, the charge light turns red and when the charging is complete, the light will turn green.

# Disc Information

## Disc Formats Supported By This Player

| | DISC LOGO | DIAMETER | PLAYBACK TIME/ PLAYBACK SIDES |
|---|---|---|---|
| DVD | | 12cm | 133 min (SS-SL) |
| | | | 242 min (SS-SL) |
| | | | 266 min (DS-SL) |
| | | | 484 min (DS-SL) |
| | | 8cm | 41 min (SS-SL) |
| | | | 75 min (SS-SL) |
| | | | 82 min (DS-SL) |
| | | | 150 min (DS-SL) |
| CD | | 12cm | 74 min |
| | | 8cm | 20 min |
| JPEG | | 12cm | |

The disc maker specifies the operation of some DVD discs. Please refer to the instruction manual with the disc.

### Care of Discs
Do not touch the playing surface of the disc.
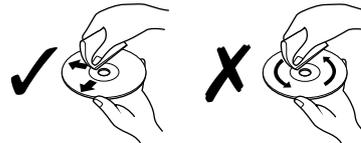Do not stick paper or labels on the disc.

### Storage of Discs
Do not expose disc to direct sunlight or excessive temperatures.

### Cleaning of Discs
If a disc has fingerprints or dust on it, lightly wipe the disc with soft cloth from the centre of the disc outward.

Never use record cleaning sprays or any other solvents to clean your discs.

# Playback Operation

## Preparations

1. Connect the DVD Player to power source.
2. Turn on the player by switching the POWER switch on the left side of the player to ON.
3. Press the OPEN button on the front panel to open the disc tray cover.
4. Load the disc with the label side facing up.
5. Close the disc tray cover. Press the disc cover until it clicks. The player will automatically search for the disc and start playback.
6. Adjust the volume level with the volume knob on the right side of the player.
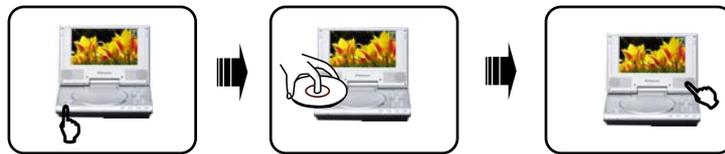


MODE
Press the MODE button to change the menu of brightness and colour. Please adjust these values with + and - buttons on the front panel. Press and hold the MODE button for about 1 or 2 seconds to change the aspect ration between 16:9 and 4:3.

## DVD Disc Playback

When the DVD menu appears press the direction buttons (◀ ▲ ▼ ▶) to select an option. Press the ENT button to start the selected option.

Pause
Press the ▶❙❙ button once to pause playback.
Press the ▶❙❙ button again to resume normal playback.

Stop
During playback, press the ■ button once to stop playback of a disc. Press the ▶❙❙ button and the Player will resume playback of the disc from the point where it was stopped.
Press the ■ button twice repeatedly and it will stop playback completely. Then press the ▶❙❙ button and it will start playback from the beginning of the disc.

Fast playback
Press the ▶▶ button to start fast forward playback. Press it repeatedly and it will be played at the speed of 2X, 4X, 8X, 16X or normal playback in sequence.
Press the ◀◀ button to start fast reverse playback. Press it repeatedly and it will be played at the speed of 2X. 4X. 8X. 16X or normal playback in sequence.
Under the fast playback state press the ▶❙❙ button to pause playback and press the ▶❙❙ button again to resume normal playback.

# Playback Operation

**Slow Playback**

Press the SLOW button to start slow playback. Press it repeatedly and it will be played at the speed of forward 1/2, 1/4, 1/8, 1/16 or normal playback in sequence.
Under the slow playback state press the ▶‖ button to pause playback and press the ▶‖ button again to resume normal playback.

**Previous and Next**

Press the ▶▶‖ button to play the previous chapter.
Press the ‖◀◀ button to play the next chapter.

**A-B Repeat**

During the disc playback, press the A-B button once to set the starting point A and press it again to set the end point B. Then the player will play the segment between A and B continuously. Press this button a third time to stop the A-B repeat.

**Title Menu**

Press the TITLE button during playback and the title menu will appear on the screen.
Press the ◀ ▲ ▼ ▶ button to select title or item you want to play. Then press the ENT button to confirm.

**Menu**

Press the MENU button during playback. The menu will appear on the screen. Press the ◀ ▲ ▼ ▶ button to select title or item you want to play. Then press the ENT button to confirm.

**Audio**

DVD discs can contain up to 8 audio languages. Press the AUDIO button during playback to select the language you prefer.

## CD Disc Playback

When a CD disc is loaded, the player will play it by the default sequence of the disc if the power is on. You can use the ▶▶‖, ‖◀◀ button to select a certain track to play.

**Pause**

Press the ▶‖ button once to pause playback.
Press the ▶‖ button again to resume normal playback

**Stop**

During playback, press the ■ button once to stop playback of a disc. Press the ▶‖ button to resume playback of the disc from the point where it was stopped.

# Playback Operation

**Fast playback**

Press the ▶▶ button to start fast forward playback. Press it repeatedly, it will be played at the speed of 2X, 4X, 8X, 16X or normal playback in sequence.

Press the ◀◀ button to start fast reverse playback. Press it repeatedly, it will be played at the speed of 2X, 4X, 8X, 16X or normal playback in sequence.

Under the fast playback state press the ▶ll button to pause playback and press the ▶ll button again to resume normal playback.

**Previous and Next**

Press the l◀◀ button to play the previous chapter.
Press the ▶▶l button to play the next chapter.

**Audio**

Press the AUDIO button to select the desired sound effect. Press it repeatedly to select stereo, left or right.

## Picture CD Playback

When a picture CD is loaded, a Root Fold with several sub-folders will appear on the screen. Use the ▲ or ▼ button to select the desired folder and then press the ENT button to enter the selected sub-folder that contains several files. Use the ▲ or ▼ button to select the desired file, and then press the ENT button to play. Press the ◀ button to return to the higher folder.

**Pause**

Press the ▶ll button to pause playback.
Press it again to resume normal playback.

**Stop**

Press the ■ button to return to the previous menu. Press ▶ll button to return to normal playback.

**Previous and Next**

Press the l◀◀ button to go to the previous file/page.
Press the ▶▶l button to go to the next file/page.

**Picture Rotation**

In normal playback, press the ▲ or ▼ buttons repeatedly to rotate the picture clockwise or anti-clockwise. When the picture is changed, this function will be cancelled automatically.

● Some picture CD discs are restricted by their designing method, and so have no rotating, etc.
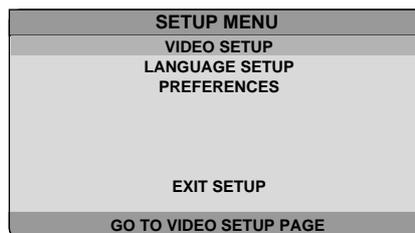
- 18 -

# System Setup

You can change the default settings of this unit to customise its performance to your own preference. Read this section to learn how to set up the system.

Note: the system should only be set up in the state that no disc is in the DVD drive or the unit is in the completely stop mode.
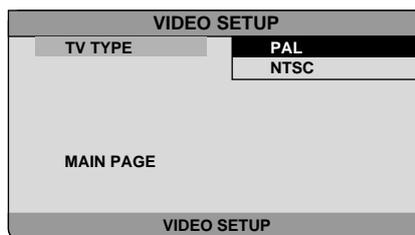
Follow the steps below to set up your system:
1.  Press the SETUP button and the setup menu will appear on the screen. It includes Video Setup, Language Setup and Preferences. You can exit from the setup menu by pressing the SETUP button again at any time during setting.
2.  Press the ▶ or ◀ button to highlight the sub-menu that you want and press the ENT button to access. Use the ▼ button to highlight "MAIN PAGE" and press the ENT button to return to the previous page.

<table>
<tr><td colspan="2" align="center">**SETUP MENU**</td></tr>
<tr><td colspan="2" align="center">**VIDEO SETUP**</td></tr>
<tr><td colspan="2" align="center">**LANGUAGE SETUP**</td></tr>
<tr><td colspan="2" align="center">**PREFERENCES**</td></tr>
<tr><td colspan="2" align="center">**EXIT SETUP**</td></tr>
<tr><td colspan="2" align="center">**GO TO VIDEO SETUP PAGE**</td></tr>
</table>

## Video Setup
The item included in this sub-menu are shown as below:

<table>
<tr><td colspan="2" align="center">**VIDEO SETUP**</td></tr>
<tr><td>**TV TYPE**</td><td>**PAL**</td></tr>
<tr><td></td><td>**NTSC**</td></tr>
<tr><td>**MAIN PAGE**</td><td></td></tr>
<tr><td colspan="2" align="center">**VIDEO SETUP**</td></tr>
</table>

Press the ▶ button to enter the setup of the selected item.
Press the ▲ or ▼ button to choose the proper setting.
Press the ENT button to confirm your selection.
Press the ◀ to exit.

# System Setup

## Language Setup

The items included in this sub-menu are shown as below:

```
              LANGUAGE SETUP
    OSD LANG            ENGLISH
    AUDIO              FRANCIS
    DISC MENU          ESPANOL
    SUBTITLE           DEUTSCH
                       ITALIANO

    MAIN PAGE


              SET OSD LANGUAGE
```

Press the ▲ or ▼ button to highlight the item you want to set up.
Press the ▶ button to enter the setup of the selected item.
Press the ▲ or ▼ button to choose the proper setting.
Press the ENT button to confirm your selection.
Press the ◀ to exit.

### OSD Lang
This item is used to set the OSD (on-screen display) language. You can choose from English, French, Spanish, etc.

### Audio, Disc Menu and Subtitle
If the disc contains multiple languages, you can select among English, French, Spanish, etc.

# System Setup

## Preference

The items included in this sub-menu are shown as below:

```
                  PREFERENCES
   TV DISPLAY          4:3 PS
   RESUME              4:3 LB
   DEFAULTS            16:9


   MAIN PAGE

              SET TV DISPLAY MODE
```

Press the ▲ or ▼ button to highlight the item you want to set up.
Press the ▶ button to enter the setup of the selected item.
Press the ▲ or ▼ button to choose the proper setting.
Press the ENT button to confirm your selection.
Press the ◀ to exit.

### TV Display

Used to set TV display mode. The provided modes are 4:3 PS, 4:3 LB and 16:9
- Select 4:3 PS or 4:3 LB when a 4:3 TV is connected.
- Select 16:9 when a 16:9 wide screen TV is connected.

### Resume

This item is used to set last memory state.
Select ON to activate the last memory function.
Select OFF to cancel the last memory function.

### Default

Select RESET and press the ENT button and then the system will return to default
status.

# Definitions

**Letterbox screen**

This refers to a screen on which the playback picture of wide-screen DVDs appears with black bands running along the top and bottom.

**Pan & Scan screen**

This refers to a screen on which the playback picture of wide-screen DVDs is cut off at the left and right sides.

**Title. Chapter (DVD)**

DVDs are divided into some large sections (titles) or some small sections (chapters). Each section is numbered: these numbers are called "Title number" or "Chapter number".

| Title 1 | | | Title 2 | |
|---------|-----------|--------|-----------|--------|
| Chapter 1 | Chapter 2 | ······ | Chapter 1 | ······ |

**Track (CD)**

CDs are divided into some sections (tracks). Each section is numbered; these numbers are called "Track number".

| Track 1 | Track 2 | Track 3 | ······ |
|---------|---------|---------|--------|

**JPEG (Picture CD)**

JPEG is a common picture format that has small file size and low quality loss rate of picture. Hundreds of pictures can be stored in a disc in this format. In order to utilise real digital album, use film to make a "PICTURE CD" in JPEG format.

# Troubleshooting

| Problem | How To Check |
|---|---|
| **The player cannot play.** | • Make sure the disc cover is completely closed.<br>• Make sure a disc is loaded.<br>• Make sure the disc is loaded with label side up.<br>• Disc should be clean, not dirty or warped.<br>• Player's region code should be the same as the region code of the DVD disc.<br>• Make sure water condensation has not occurred. If it has, remove the disc and keep the player power on until the moisture evaporates. |
| **There is no sound.** | • Make sure the system connection is correct.<br>• Is your disc dirty or warped? Clean or replace it.<br>• If wired headphones are plugged in, unplug them. |
| **There is no picture.** | • Make sure TV is turned on and in correct video mode.<br>• Make sure your system connection is correct. |
| **Poor AV performance.** | • Is your disc dirty or warped? Clean or replace it. |
| **Cannot continue to play and play a section repeatedly.** | • Make sure the player is not in A-B repeat status.<br>• Is your disc dirty or warped? If it is Clean or replace it. |

**Other possibilities:**

Static or other external interference may cause the player to function abnormally. Unplug the power-supply cord from the outlet and plug it in again to reset the player so that normal operation can resume. If you are still having problems, then disconnect the power to the DVD Player and consult a qualified technician.

# Specifications

| | | |
|---|---|---|
| TFT screen size | | 7 inches |
| Video System | | PAL/NTSC |
| Frequency Response | | 20Hz~20kHz ±2.5dB |
| Audio Signal-to-Noise | | >85dB |
| Audio distortion + noise | | < -70dB (1KHz) |
| Channel Separation | | > 70dB (1KHz) |
| Dynamic Range | | > 80dB (1KHz) |
| Audio Out | Analog Audio Out | Output Level: $1.5V\pm^{0.2}_{1.0}$, Load: 10K |
| Video Out | Video Out | Output Level:$1V_{P-P}\pm0.2$, Load: 75 Unbalanced Negative |
| Power | | 110-240V ~ 50/60Hz |
| Power Consumption | | < 25W |
| Dimensions | | 214mm × 158mm × 48mm L/W/H |
| Weight | | About 0.89 kg |

**Design And Specifications Are Subject To Change Without Notice**

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