7" Two Screen Car Portable DVD Player PDM-2727M



User's Manual



20060628

Important Safety Instructions



CAUTION

RISK OF ELECTRIC SHOCK DO NOT OPEN!



CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USE-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



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 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.

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OF MOISTURE.



CAUTION: Laser radiation when open. Do not stare into beam.

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

POWER SUPPLY:

Connect the supplied adapter to the side of the DVD player in the slot marked "Power In". Plug the two-prong end of the power cord to an AC100-120V outlet. If you have difficulty inserting the plug, turn it over and reinsert it, if the unit will not the used for a long time, disconnect the plug from the outlet.

NOTE:

Before plugging the power cord into an AC outlet, make sure that all the connections have been made.

Important Safety Instructions

CAUTION: These servicing instructions are for use by qualified service personnel only. To reduce the risk of electric shock, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so. Refer to service manual for servicing instructions.

- 1) Read these instructions.
- 2) Keep these instructions.
- 3) Heed all warnings.
- 4) Follow all instructions.
- 5) Do not use near water.
- 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) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- 10) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- 11) Only use attachments/accessories specified by the manufacturer.
- 12) 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.



- Unplug this apparatus during lightning storms or when unused for long periods of time.
- 14) 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.
- 15) Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.

Note: Do not touch the color TFT LCD screen by hand directly.

Important Safety Instructions

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 authorized by Macrovision, and is intended for home and other limited viewing uses only unless otherwise authorized 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 4.

Features

High-quality audio and video

Excellent sound: Dolby Decoder delivers great sound.

AV Out: Analog audio output and video output.

Advanced Playing Functions

Compatibility: Compatible with DVD, CD and JPEG.

On-screen Display: You can choose English, French or Spanish for the On-screen Display language.

Particular Performance: Multi-speed, fast forward, fast backward and slow forward. **Search by Time:** Search for a certain track of a disk by selected time.

Last Memory Playback: Memorizes the stopped playback track and continues playing the disk from this spot when the power is kept to supply. (Only available for DVD and CD disc).

SpecialFunctions:Supportsscreenaspectratiochanging,screensaver,multi-languagessubtitle,multi-angles etc.functions.

Accessories

Accessories List

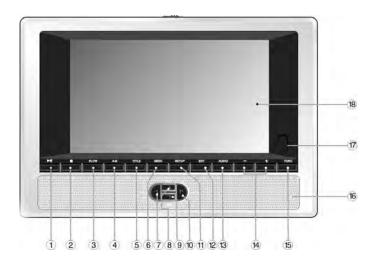
ITEM	NAME	QTY
3 5 5 1 3 5 5 1 2 5 7 5 1	Remote Control (with battery)	1
	Power Adapter	1
600	Car Adapter	1
O	Power Supply Cord	1
	Strap	4
300	Earphone	2
	Game handle	1
O	Audio/Video Cable	2
	Owner's Manual	1

NOTEAccessories and their parts numbers are subject to modification without prior notice due to improvements.

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View of Front Panel



1. ► (PLAY/PAUSE) button

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

2. 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.

3. SLOW button

Press to activate the slow playback function.

4. A-B Repeat button

Press to play a certain selected segment repeatedly.

5. TITLE button

Press to access to or exit from the title menu if it exists in the disc.

6. MENU button

Press to access to or exit from the menu.

View of Front Panel

7. **⋖**/⋈ button

Press to select different options, or to return to the previous list, track or chapter.

8. ▲/» button

Press to select different options, or to search forward fast.

9. ▼/∢ button

Press to select different options, or to search backward fast.

10. ►/₩ button

Press to select different options, or to skip to the next list, track or chapter.

11. Setup button

Press to enter the player's system setup.

12. ENT button

Press to access playback, or confirm your selection.

13. AUDIO button

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

14. -/+ button

Press to adjust the value of brightness and color.

15. FUNC button

Press the FUNC button to change the brightness and color level. Press and hold for 1-2 seconds to change the aspect ratio.

16. Speaker

17. Remote Control Sensor

18. LCD Screen

View of Side 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 to connect to an external amplifier.

4. Video Output Jack

Used to connect to an external monitor.

5. DC 9.5V Input Jack

Used to connect the power adapter, including the car adapter.

6. OPEN Switch

Push to open the disc tray cover.

7. Disc tray cover

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

View of Side Panels

Left Side View



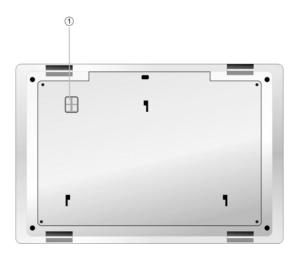
1. Headphone Jack

Used to connect headphones for private listening. When the headphones are connected to this jack, the speaker will be turned off automatically.

2. Power Switch

Used to turn the power on or off.

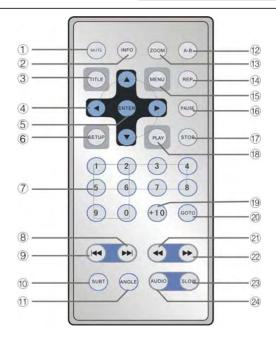
View of Main Unit Bottom



1. Rechargeable Battery Contacts

For connecting the rechargeable battery pack.

View of Remote Control



1. MUTE button

Press to turn off or on the speaker output.

2. INFO button

Press repeatedly to display or conceal the detailed information of the disc during playback.

3. TITLE button

Press to access to or exit from the title menu if it exists in the disc.

4. Direction button

Press to select different options.

5. ENTER button

Press to access playback or confirm your selection.

6. SETUP button

Press to enter the player's setup menu.

7. 0-9 number buttons

Press to select number.

View of Remote Control

8. M NEXT button

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

9. R PREV button

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

10. SUBT button

When playing a DVD coded with multi-subtitles, press to select a subtitle language or to turn subtitles off.

11. ANGLE button

Press to access various camera angles if the DVD disc contains multiple camera angles.

12. A-B button

Press to play a section of the disc from point A to point B. Press once to select the starting point A, press again to select the end point B. During A-B repeat playback, press this button to stop the repeat.

13. ZOOM button

Press to realize various zoom functions.

14. REP button

Press to repeat a chapter, title, the entire disc or close this function.

15. MENU button

Press to access to or exit from the menu during playback.

16. PAUSE button

Press to pause playback. Press the PLAY button to resume normal playback.

17. STOP button

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

18. PLAY button

Press to start playback.

19. +10 button

Press this button first and then the additional number buttons as needed to select number greater than 9.

20. GOTO button

Press to select the desired title, chapter or playback start time.

21. REV SCAN button Press to search backw

Press to search backward fast during playback.

22. >> FWD SCAN button

Press to search forward fast during playback.

23. SLOW button

Press to activate slow playback function.

24. AUDIO button

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

Battery Installation for Remote Control

Installation Steps

Follow the steps below to install the battery.

Step1: Pull the battery holder out from the remote control in the direction of the arrow.



Step 2: Load a new battery properly with the (+) side up.



Step3: Insert the battery holder back into the remote control.



Battery Property

Battery Type: CR2025 3V

Battery Life: Approximately 1 year under normal use (at room temperature).

Caution

- 1. Improper use of the battery may cause overheating, explosion or ignition, which can result in an injury or fire. Battery leakage may damage the remote control.
- 2. Do not expose the remote control unit to direct sunlight.
- 3. Do not recharge, disassemble, deform or heat the battery.
- 4. Do not put the battery in fire or water.
- 5. Immediately replace the exhausted battery.

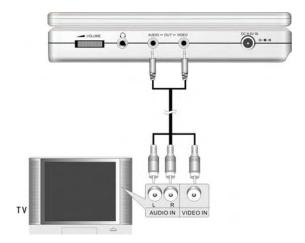
System Connections

- Always ensure that the DVD player, TV and any other electrical equipment to be connected with are switched off and unplugged from the power supply.
- Ensure that you observe the color coding when connecting audio and video cables.

Connecting to TV

Audio/Video connections

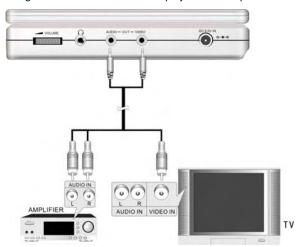
Follow the drawings below to connect the DVD player to TV's Audio/Video inputs with Audio/Video cables.



System Connections

Connecting to Amplifier

Refer to your Audio equipment's manual before connection. Follow the drawings below to connect the DVD player to AV amplifier.



Connecting to Headphones

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



When headphone is connected, the speakers will automatically turn off.

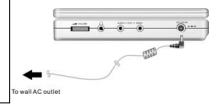
Power Supply Preparation

Using the AC Adapter

The player is supplied with an AC adapter for powering the unit and charging the battery.

 Connect AC adapter to the right side of the DVD player in the jack marked DC 9.5V IN, as shown on the right.

2. Plug the other end of the power cord into the wall AC outlet.

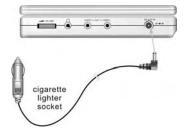


NOTE: Turn player's power off before unplugging.

Using of Car Adapter

The player is supplied with a Car Adapter for powering the unit while in a vehicle.

Connect the Car Adapter Power Plug to the unit's power jack and plug the other end to the vehicle's cigarette socket, as shown right.



Attention

- Do not operate the unit or view video software while driving a vehicle.
- Place the unit in a proper position for viewing.
- > Disconnect the player from the Car Adapter when starting the vehicle.

Notes on Discs

Compatible Disc Formats

	DISC LOGO	DIAMETER	PLAYBACK TIME/ PLAYABLE SIDES
376		12cm	133 min (SS-SL)
	DVD		242 min (SS-DL)
			266 min (DS-SL)
DVD			484 min (DS-DL)
DVD		8cm	41 min (SS-SL)
			75 min (SS-DL)
			82 min (DS-SL)
			150 min (DS-DL)
CD	DIGITAL AUDIO	12cm	74 min
		8cm	20 min
JPEG		12cm	

Operation methods of some DVD discs are specified by the software manufacturer. Please follow the instructions of those discs.

Care of Discs

Holding Discs

When loading or removing discs, do not touch their playing surfaces as



Cleaning

Fingerprints or stain on the disc may affect the quality of sound and picture. To clean your discs, use a soft clean cloth to wipe them. If necessary, moisten a soft cloth with diluted neutral detergent to remove heave dirt or fingerprints.



Do not wipe in a circular direction as the figure in the right middle (concentric scratches on the disc groove tend to cause noise). Gently wipe from the center of the disc to the outer edge as the right figure.



READ THE FOLLOWING INSTRUCTIONS CAREFULLY BEFORE USING YOUR DVD PLAYER FOR THE FIRST TIME.

WARNING: Do not play poor-quality discs to avoid damaging the lens.

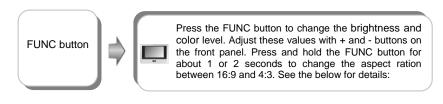
Pre-operation

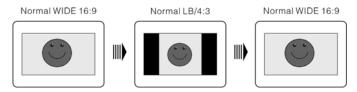
- 1. Connect the unit to power supply through the provided AC adaptor.
- 2. Switch "POWER ON/OFF" to "ON" on the left panel to turn on the DVD player.
- 3. Press OPEN button on the unit to open the disc tray cover, put a disc in the disc tray with printed side facing up. Close the disc cover. (See below)



- 4. The player will read the disc automatically.
- 5. Adjust the volume with the VOLUME control on the right panel to the desired level.
- 6. To turn the player off, switch the "POWER ON/OFF" on the left panel to "OFF".

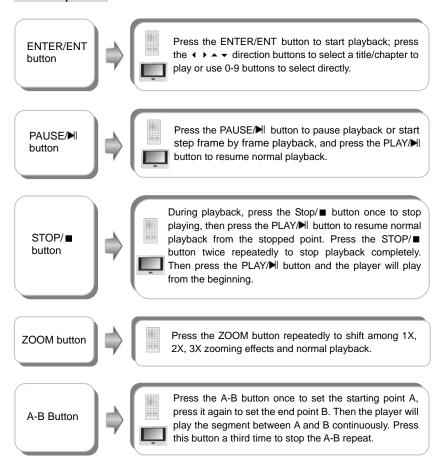
Using of General Button



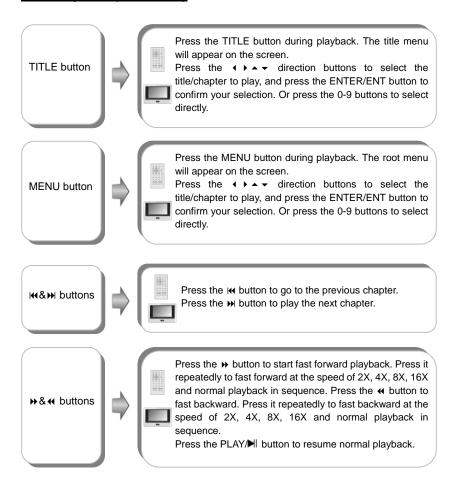


DVD Playback

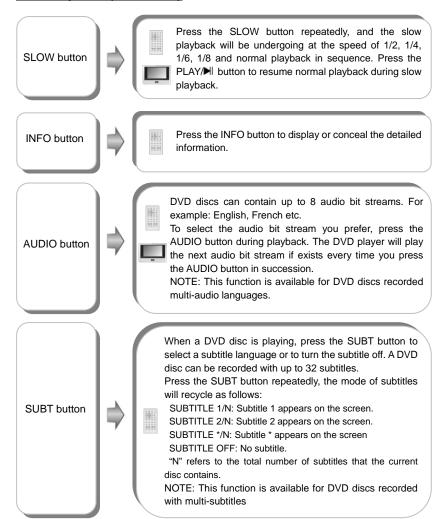
Buttons Operation



DVD Playback (continued)

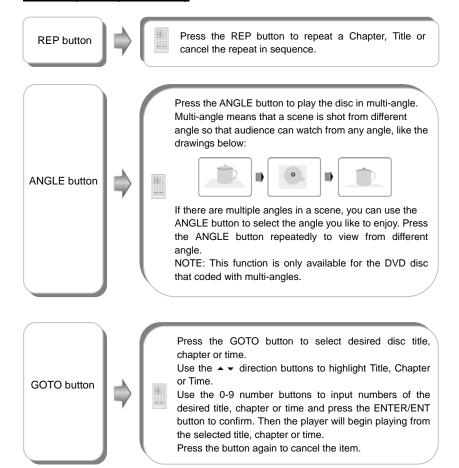


DVD Playback (continued)



22

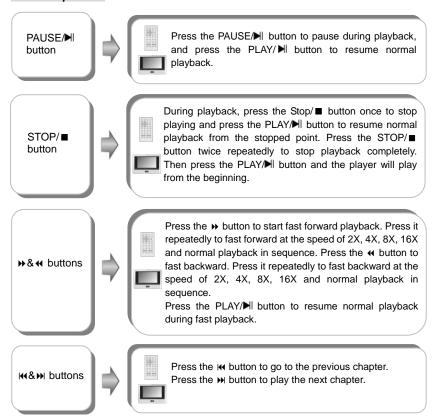
DVD Playback (continued)



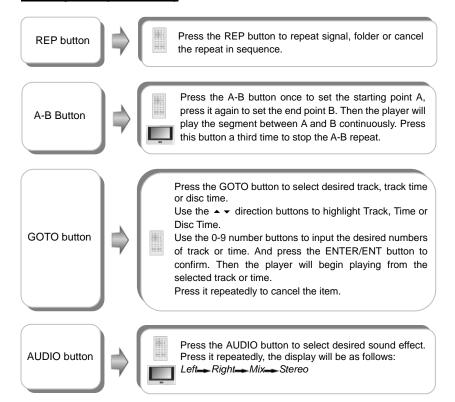
CD Playback

When a CD disc is loaded, the player will read the disc. Then a playback menu will appear on the screen and the player will play the disc automatically by the default sequence of the disc. You can use the M D buttons to select the desired track. Or press the number buttons to input the number of the desired track first and then press the ENTER/ENT button to confirm to play.

Buttons Operation



CD Playback (continued)



JPEG Playback

Pre-operation

- 1. Load a JPEG in the disc tray, the player will read the disc automatically.
- The screen displays the root folder with several subdirectories/subfolders. Press
 the ENTER/ENT button to enter. Use the ▲ ▼ buttons to select a desired folder
 and press the ENTER/ENT button to confirm your selection.
- Press the ▲ ▼ buttons to highlight ☐ →, then press the ENTER/ENT button to return to the last folder or directory.

NOTE: Many discs have other items besides pictures.

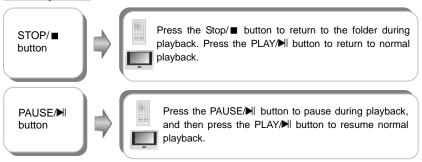
Filter and Repeat setup

Under the folder mode, press the direction buttons to highlight "Filter" and you can change its settings according to the steps below:

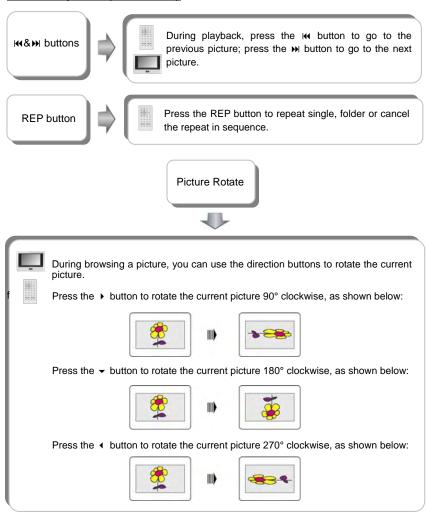
- 1. Press the ENTER/ENT button to enter the setup menu.
- 2. Press the ▲ ▼ button to select the item you want to set.
- 3. Press the ENTER/ENT button to select or cancel.
- 4. Press the ◆ button to exit.

Under the folder mode, press the direction buttons to highlight "Repeat" and press ENTER/ENT button repeatedly to change its setting. You can also press the REP button on the remote control to change its setting.

Button Operation



JPEG Playback (continued)



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

Follow the steps below to set up your system:

- 1. Press the SETUP button and the setup menu will appear on the screen.
- Press the ▲ ▼ buttons to select a sub-menu that you want to set up and press the
 button to enter the menu.
- 3. Press the 4 button to return to the previous menu. Or press the SETUP button again at any time during the setting to exit from the setup menu.

Language setup



Press the SETUP button and press the A vulture buttons to select Language. The screen will display as shown left.



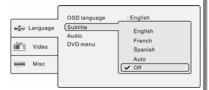
1. OSD language

Press the ▲ ▼ buttons to highlight this item.

Press the ENTER/ENT or ▶ button to enter the setup of this item.

There are several languages for you to choose. Press the ▲ ▼ buttons to choose the proper one. Press the ENTER/ENT button to confirm your selection and return.

Language setup (continued)



2. Subtitle

This item is used to set the subtitle language. Press the ▲ ▼ buttons to highlight this item. Press the ENTER/ENT or ▶ button to enter the setup of this item.

There are several items for you to choose.

Press the ▲ ▼ buttons to choose the proper one. Press the ENTER/ENT button to confirm your selection and return.



3. Audio

This item is used to set the audio output language.

Press the ▲ ▼ buttons to highlight this item.

Press the ENTER/ENT or ▶ button to enter the setup of this item.

There are several languages for you to choose. Press the ▲ ▼ buttons to choose the proper one. Press the ENTER/ENT button to confirm your selection and return.



4 DVD menu

This item is used to set the disc menu language. Press the ▲ ▼ buttons to highlight this item. Press the ENTER/ENT or ▶ button to enter the setup of this item.

There are several languages for you to choose. Press the ▲ ▼ buttons to choose the proper one. Press the ENTER/ENT button to confirm your selection and return.

Video setup



Press the SETUP button and press the A v buttons to select Video. The screen will display as shown left.



1. Aspect Ratio

This item is used to set aspect ratio.

Press the ▲ ▼ buttons to highlight this item. Press the ENTER/ENT or ▶ button to enter the setup of this item.

Press the ▲ ▼ buttons to choose 4:3 or 16:9. Press the ENTER/ENT button to confirm your selection and return.

NOTE: Select 4:3 when a 4:3 TV is connected. Select 16:9 when a 16:9 wide screen TV is connected.



2. View Mode

This item is used to set the video mode of the unit screen display.

Press the ▲ ▼ buttons to highlight this item.

Press the ENTER/ENT or ▶ button to enter the setup of this item.

There are several items for you to choose.

Press the ▲ ▼ buttons to choose the proper one. Press the ENTER/ENT button to confirm your selection and return.

Misc setup



Press the SETUP button and press the 🔺 🔻 buttons to select Misc. The screen will display as shown left.



1. Use Default Settings

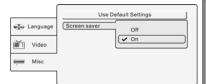
This item is used to reset the unit to the default.

Press the

buttons to highlight this item. Press the ENTER/ENT or ▶ button to enter the setup of this item.

Use the ◆ ▶ buttons to choose Yes or No and press the ENTER/ENT button to confirm Choose Yes, all the setting of the unit will return

to the default status; choose No, it will return.



2. Screen saver

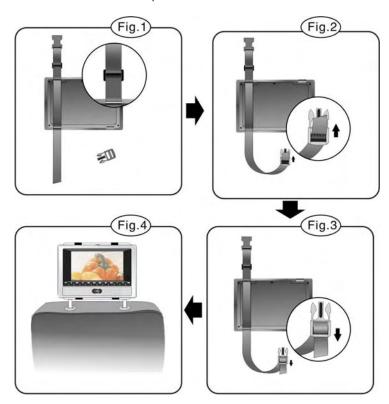
This item is used to set screen saver On or Off. Press the - v buttons to highlight this item. Press the ENTER/ENT or > button to enter the setup of this item.

Press the A v buttons to choose On or Off. Press the ENTER/ENT button to confirm your selection and return.

Usage of straps

Follow the steps below to fix the DVD Player onto the of a car seat headrest.

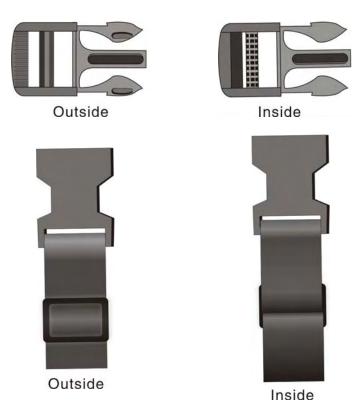
- 1. Place the DVD player on a soft and smooth surface with the bottom facing up.
- 2. Loose the strap and remove the buckle from the strap.
- 3. Insert the strap through the holes as the Fig.1. Make sure the inside of the strap faces up.
- 4. Thread the strap into the buckle as Fig.2 and Fig.3. After threading, make sure the outside of the buckle faces up.



Usage of straps

- 5. Repeat these steps for the other strap.
- 6. Adjust the length of the strap according to the backrest of the seat.
- 7. Fasten the straps on the headrest of the seat as in Fig.4. Make sure the two straps are between the headrest support rods (if your car has them).

NOTE: The drawings show the outside and the inside of the buckle and the strap.



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)

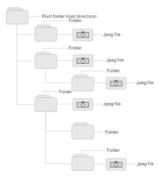
DVDs are divided into some large sections (titles) or some small sections (chapters). Each section is numbered: these numbers are called "Title number" or "Chapter number".

Title 2 Chapter1 Chapter2 Chapter 1

Track (CD)

JPEG

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 utilize real digital album, use film to make a "PICTURE CD" in JPEG format.



Troubleshooting

Take steps described in the tables below to solve simple problems before contacting after-sales service.

If You Suspect Something Wrong, immediately turn the power off.
Disconnect the power connector and check that there is neither smoke nor heat from the unit before asking for repairs. Never try to repair the unit by yourself because it is dangerous to do

PROBLEM	POSSIBLE CAUSE	POSSIBLE SOLUTION
	The disc cover may not be closed.	Close the disc cover.
	There may not be any discs in the DVD drive.	Put a disc in to the DVD drive.
The player cannot	The disc may not be put in with the right way.	Put the disc in with the label side up.
play.	The disc may be dirty or warped.	Clean or change the disc.
	The player's region code may not as the same as the region code of DVD disc.	Make sure the player's region code is the same as the region code of DVD disc.
	There may be water on the lens.	Remove the disc and keep the player being powered off for at least two hours.
	The system connection may be not correct.	Connect the system correctly.
There is no sound	The speaker may not be turned on.	Turn on the speaker.
	The sound setup of the DVD disc may be not correct.	Setup the sound of the DVD correctly.
	The disc may be dirty or warped.	Clean or change the disc.

Troubleshooting

PROBLEM	POSSIBLE CAUSE	POSSIBLE SOLUTION
	The LCD may be off or not be in correct video mode.	Turn on the LCD and choose the correct video mode.
There is no picture.	The system connection may be not correct.	Connect the system correctly.
	The unit may be not in AV out mode.	Switch AV tab on the bottom of the unit to out.
Poor AV performance.	The disc may be dirty or warped.	Clean or change the disc.
	There may be some obstructions between the remote control and the player.	Remove the obstruction between the remote control and the player.
The remote control	The remote control may not be pointed at the player.	Point the remote control at the player directly.
does not work	The batteries of remote control may not be inserted correctly.	Make sure the polarity of each battery is correct.
	The batteries of remote control may be out of power or weak.	Replace the batteries.

Other possibilities:

Static or other external interference may cause the player function abnormally. In order to recover normal status, unplug the power-supply cord and then plug it into the outlet again to reset the player. If the problems still exist, cut off the power supply and consult your service center or the qualified technician.

Specifications

TFT screen size		7 inches
Laser Wavelength		780/650 nm
Video System		NTSC
Frequency Response		20Hz∼20kHz ±2.5dB
Audio Signal-to-noise Rate		≥85dB
Audio distortion+noise		≤-70dB (1kHz)
Channel Separation		≥70dB (1kHz)
Dynamic Range		≥80dB (1kHz)
Audio Out	Analog Audio Out	Output Level: 1.5V±1.0, Load: 10ΚΩ
Video Out	Video Out	Output Level: 1V _{P-P} ±0.2, Load: 75Ω Unbalanced Negative
Power	AC 120V	
Power Consumption	< 25W	
Dimensions	230mmX154mmX40mm (L*W*D)	
Weight	About 0.85kg	

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