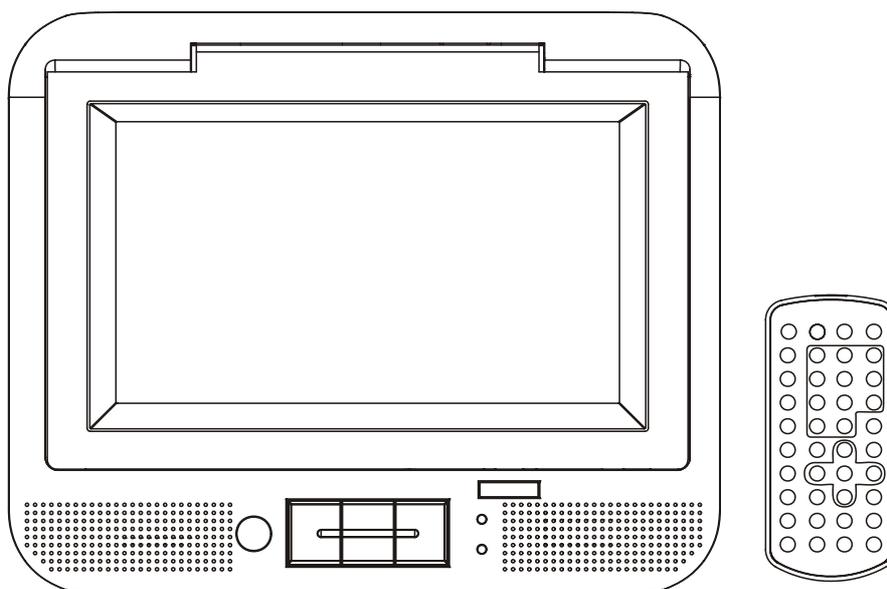


Lenco

Operating Manual

PORTABLE LCD DVD PLAYER

Model: MES-230



READ THESE INSTRUCTIONS INCLUDED IN THIS IM THOROUGHLY PRIOR TO CONNECTING AND OPERATING.

PLEASE RETAIN THIS MANUAL IN CASE YOU MAY NEED IT FOR FUTURE REFERENCE.

THE ILLUSTRATIONS & GRAPHICS HEREIN ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE.

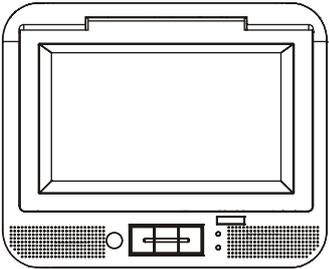
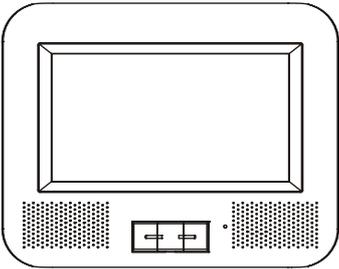
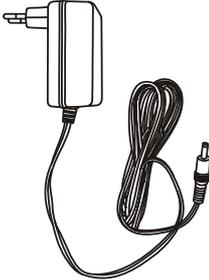
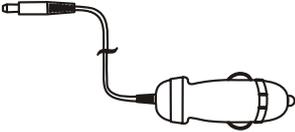
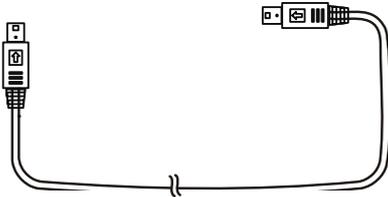
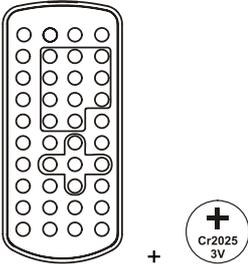
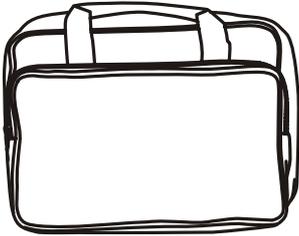
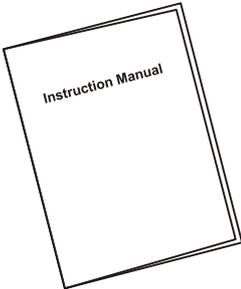
For information and support, www.lenco.eu

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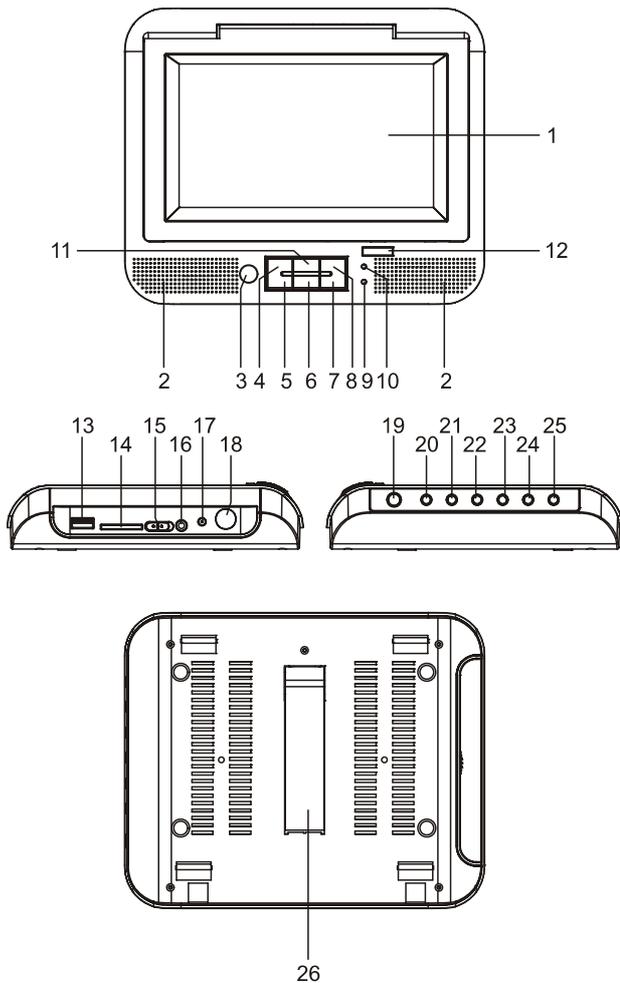
IN THE BOX

You should have the following items in the packaging:

 <p>Main Portable DVD player / Screen Unit (built-in a rechargeable battery) 1PCS</p>	 <p>Slave Screen 1PCS</p>	 <p>AC/DC power adaptor 1PCS</p>
 <p>Car cigarette lighter adapter 1PCS</p>	 <p>Slave Screen Connector Cable 1PCS</p>	 <p>Remote Control + Battery 1PCS</p>
 <p>Vehicle Headrest Attachment Strap 4PCS</p>	 <p>Carry Bag 1PCS</p>	 <p>Instruction Manual 1PCS</p>

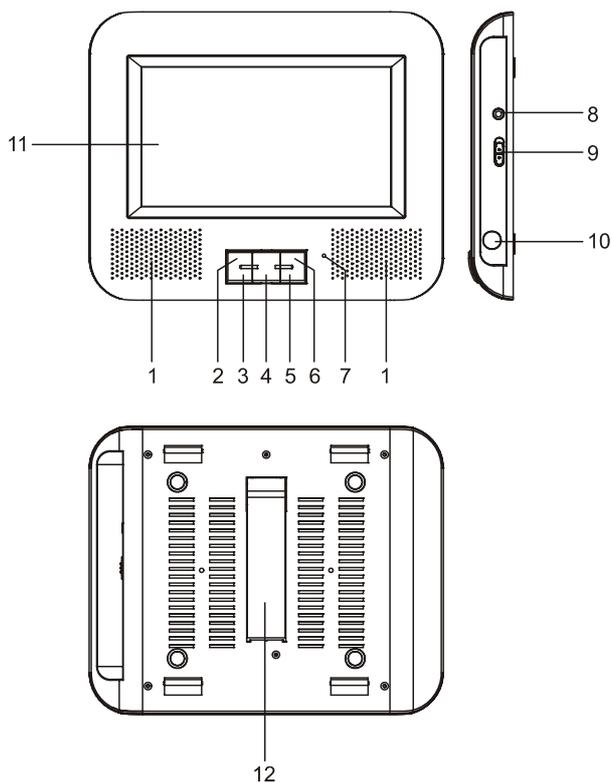
Please retain all packaging materials for when the product needs transportation.

OVERVIEW OF THE DVD PLAYER:



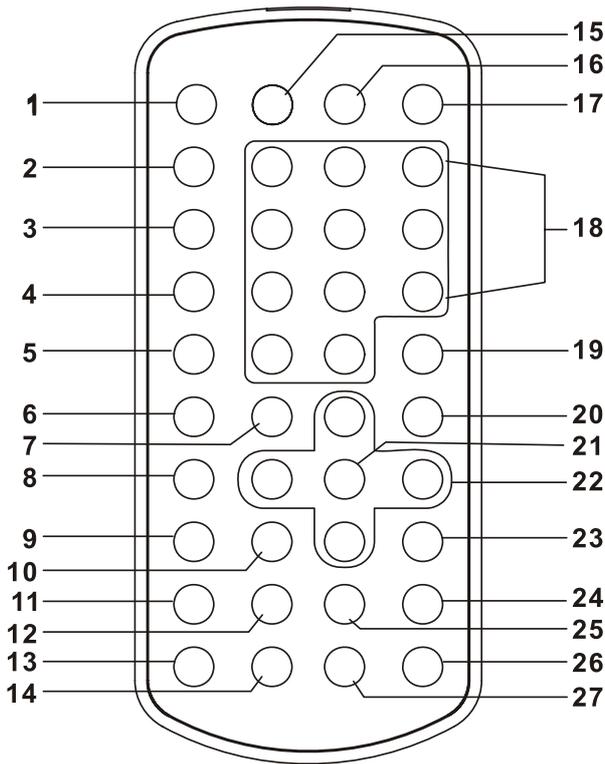
1. TFT SCREEN
2. SPEAKERS
3. REMOTE SENSOR
4. NEXT & F.FWD KEY
5. PREVIOUS & F.BWD KEY
6. STOP KEY
7. VOLUME- KEY
8. VOLUME + KEY
9. CHARGE INDICATOR
10. POWER INDICATOR
11. PLAY/PAUSE KEY
12. DISC COVER OPEN KEY
13. USB PORT
14. SD/MMC CARD SLOT
15. POWER ON/OFF SWITCH
16. PHONES JACK
17. DC IN JACK
18. DC&AUDIO/VIDEO OUT JACK
19. SOURCE KEY
20. MENU KEY
21. ENTER KEY
22. NAVIGATION LEFT KEY
23. NAVIGATION RIGHT KEY
24. NAVIGATION DOWN KEY
25. NAVIGATION UP KEY
26. BRACKET

SLAVE SCREEN



1. SPEAKERS
2. UP/VOL+ KEY
3. DOWN/VOL- KEY
4. MODE KEY
5. REVERSE KEY
6. 16:9/4:3 KEY
7. POWER INDICATOR
8. PHONES JACK
9. POWER ON/OFF SWITCH
10. AV INPUT&DC IN JACK
11. DISPLAY
12. BRACKET

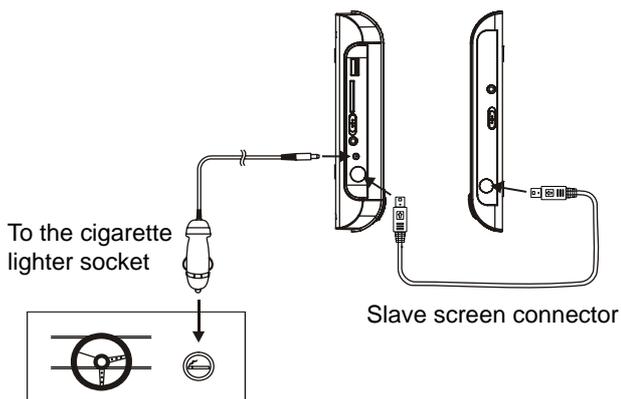
Remote control unit



- | | |
|----------------------------|----------------------------|
| 1. MUTE button | 15. DISPLAY button |
| 2. VOLUME+ button | 16. SETUP button |
| 3. VOLUME- button | 17. TFT SET button |
| 4. REPEAT 1/ALL&A-B button | 18. NUMERIC buttons |
| 5. MENU button | 19. CLEAR button |
| 6. SUBTITLE button | 20. STOP&DVD/SD/USB button |
| 7. PLAY button | 21. ENTER button |
| 8. TITLE button | 22. NAVIGATION buttons |
| 9. AUDIO button | 23. SLOW button |
| 10. PAUSE/STEP button | 24. NEXT button |
| 11. F.BWD button | 25. PREVIOUS button |
| 12. F.FWD button | 26. SEARCH button |
| 13. ANGLE button | 27. PROGRAM button |
| 14. ZOOM button | |

Connecting to an affiliated screen

This unit is equipped with another affiliated screen, you can use the affiliated screen and player to appreciate the programme at the same time, the connecting method is illustrated as below using the in car adaptor.



CHARGE THE BUILT-IN BATTERY

The player is with a rechargeable lithium battery. Before using the battery, please make sure it is charged. If not, charge it first. Slide the power switch to OFF position and then connect one end of the supplied adapter to the wall outlet and the other end to the unit for charging the built-in battery.

Note:

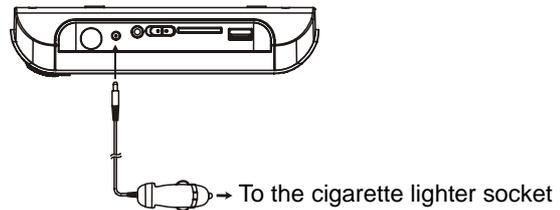
1. The battery only could be charged at powering off mode.
2. If the unit is not in use for a prolonged period of time, it is recommendable to charge the built-in battery each three months.

CONNECTING TO A CAR ADAPTOR

The car power adaptor is designed for use with vehicles that have a 12V, negative ground electrical system.

WARNING:

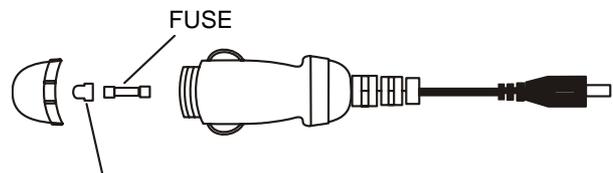
Disconnect the car power adaptor when not in use. Not in use in 24V vehicles.



CAUTIONS:

- Use the unit only with the recommended car power adaptor, use with other car power adaptor might damage the unit.
- The recommended car power adaptor is for use with this unit only. Do not use it with other equipment.
- In the interests of road traffic safety, do not operate the unit or view video software while driving a vehicle.
- Make sure the unit is fastened securely to prevent from moving outside of the vehicle in an accident
- When the inside of the cigarette lighter socket is dirty with ashes or dust, the plug section may become hot due to poor contact. Be sure to clean the cigarette lighter socket before use.
- After use, disconnect the car power adaptor from both the unit and cigarette lighter socket.

FUSE REPLACEMENT



POSITIVE(+) CAP

NOTE: Don't throw out the positive(+) cap when replace the fuse.

OPERATIONS

PREPARATION

Power on the TV set and select video input mode.
Power on the audio system which is connected to the player.

GET STARTED

1. Slide POWER switch to turn on the player.
2. Press disc cover Open button to open the disc tray.
3. Place a disc onto the disc tray.
4. Close the disc tray by hand and the playback starts automatically.
5. When a menu screen appears on the TV, move the navigation buttons or press the numeric buttons to select a preferred track number, then press OK button to start playback.

ADJUST THE VOLUME

Press the VOLUME buttons to increase or reduce the volume.

MUTE

While the power is on, the audio output of the main unit is to be shut off by pressing the button. Press it again to resume sound output.

SKIP AHEAD OR BACK

Press PREV button during play to skip previous chapter (DVD) or a track (CD), Press NEXT button during play to skip next chapter (DVD) or a track (CD).

TFT SET

Press TFT SET button on the remote control repeatedly to adjust the color intensity and brightness respectively via navigation left/right button.

Press and hold this button for a moment to turn on or off the TFT display.

RAPID ADVANCE/REVERSE

During playback, press and hold F.FWD button or F.BWD button on the unit or press these two buttons on the remote respectively to scan the disc forward or backward at X2, X4, X8, X20 normal speed.
Press PLAY button to resume normal play.

PAUSE/STEP PLAY

Press pause/step button during playback to pause. During pause mode, each time the pause/step button is pressed, the player will only play one frame; to resume normal play, press play button.

STOP PLAYBACK

Press STOP button during playback to stop playback; the player activates its resume function when STOP is pressed in STOP mode; press PLAY/PAUSE button again, playback resumes at the point it stopped previously; open the disc tray or press the STOP button one more time to clear the resume function.

SLOW-MOTION PLAY (DVD)

Press SLOW button during playback, the disc will be played at 1/2 normal speed at first, each time this button is pressed, the play speed becomes slower (down to 1/7 normal speed.)
Press PLAY/PAUSE button, normal play will resume.

REPEAT

Press REPEAT 1/ALL&A-B button during play, it will repeat play one chapter/title or repeat all (for DVD disc), or repeat play a track or all tracks (for CD), or repeat the sections between two specific points (A-B).

SEARCH FOR PREFERRED SCENE

1. Press SEARCH button during play and highlight the item to be played (Title, Chapter, or Chapter time) by navigation buttons.
2. Input the desired number or time via the numeric buttons.
3. Press OK button to confirm and the playback from the located scene starts.
4. To exit search menu, press SEARCH button directly.

PROGRAM PLAY (UP TO 16 MEMORIES)

1. Press PROGRAM during playback to display the program menu.
2. Select location(s) to be memorized via navigation buttons and then enter desired Titles/Chapters numbers via numeric buttons.
Example: Track 3, press "3"
Track 12, press "+10" and then "2"
Track 21, press "+10" twice and then "1"
3. To start programmed playback, select PLAY on the menu; Pressing PROGRAM button again to exit programming.
4. To clear a programmed item, enter program menu and scroll to the item you want to clear, press CLEAR button on the remote to clear the selected item. To clear all items, select the <CLEAR> on the menu, and then press OK button on remote control.
5. You can also cancel program mode by clearing all the items in the program menu.

ZOOM PLAY

Press ZOOM button continuously to zoom in the picture by 2, 3, and 4 times, zoom out by 1/2, 1/3, 1/4 normal size.
Press this button once more when the picture is at 1/4 size to return to the normal size display.
Scroll to view the enlarged picture using Navigation buttons.

ON SCREEN DISPLAY INFORMATION

When the player is in operation, press DISPLAY button continuously, the screen will display parts of information (current disc type, title number, chapter number, playtime, audio language, audio type, subtitle language and multi angle, etc) in a sequence.

CHANGING AUDIO SOUNDTRACK LANGUAGE (DVD DISC)

It is possible to change the audio soundtrack language to a different language from the one selected at the initial settings (This operation works only with discs on which multiple audio soundtrack languages are recorded).
Press AUDIO button during DVD disc play, the sound track will be changed with a selected sound track showing on the screen.
NOTE: When no soundtrack languages are recorded, pressing this button will not work.

MULTI-ANGLE VIEWING (DVD ONLY)

Press and hold ANGLE button to select your desired angle to view the scene.
Note: only the DVDs shot with multi-angle scenes have this function.

CHANGING SUBTITLE LANGUAGE (DVD ONLY)

Press SUBTITLE button several times during DVD playback, the subtitle language will be changed with the selected subtitle language showing on the screen;
When the desired language appears, release the button to view the subtitle in that language.
Note: this function only works on the DVDs recorded with multi-language subtitles.

RETURN TO MAIN MENU AND PLAY THE TITLE (DVD)

During playback, press MENU button to return to main menu and press TITLE button to play the title.

MP3/MPEG 4 PLAYBACK

1. Load the MP3/MPEG 4 disc onto the disc tray, then select a corresponding function to play the disc with navigation left/right button and press OK Button to confirm. Then the TV screen will show folders of corresponding format on the disc.
2. Select the folder you want by the navigation buttons and then press OK button to confirm.
3. The files in this folder are displayed and select your favourable track via navigation buttons and press ok button to start playback.
4. Press NEXT and PREV button to select track directly.
5. Press REPEAT1/ALL&A-B button change play mode.

Kodak Picture CD / JPEG CD playback

Load a Kodak picture CD/JPEG CD disc onto the disc tray, then select picture function to play the disc with navigation left/right button and press OK Button to confirm.

Slide show of Kodak Picture CD begins automatically;

Folders of JPEG picture CD are displayed on the TV screen; use the navigation buttons on the remote to select the desired folder and then press OK button to confirm.

The files in this folder are displayed and you can select your favourable pictures using the up/down navigation buttons on the remote and press OK button to start playback.

Preview of the picture, resolution, size, date will be displayed while you scroll across the file names.

Kodak Picture CD / JPEG CD operations

1. Play modes

Press REPEAT button to change play mode.

During playback, press STOP to enter preview mode.

2. Skip to next/previous picture

Press NEXT button to skip to the next picture or PREV button to the previous picture.

3. Picture rotations

Press RIGHT and LEFT navigation buttons to rotate the picture Clockwise and anti-clockwise respectively.

4. Picture flip and turn

Press UP navigation button to flip the picture up or down.

Press DOWN navigation button to flip the picture left or right.

5. Picture zoom in/out

Press ZOOM button continuously, the picture zooms in by 2, 3, 4 times or zooms out by 1/2, 1/3, 1/4 the original size.

Press this button once more when the picture getting 1/4 size to return to the normal play.

If the picture is enlarged, you may use the navigation buttons to view blocked parts of the picture.

6. Slide show transition modes

During slide show playback, press the PROGRAM button cyclically to select one play mode to play picture.

EXTERNAL MEMORY MEDIA OPERATION (USB&SD/MMC CARD)

Prepare the player for External Memory media operation

1. Slide the POWER switch to ON position, Insert a USB data traveller filled with media files into the USB port or plug the SD/MMC card into the card slot, the USB or the SD/MMC card is successfully detected , select a corresponding function via navigation right/left button for play and press ENTER Button to confirm. Folders show on the screen and use navigation buttons to select your desired folder and track to play.
2. Press NEXT or PREVIOUS button to skip forward or backward.

Note: Press and hold STOP button on the remote or press SOURCE button on the unit to call out the source menu and make selection among USB, card and disc via navigation UP/DOWN button, press ENTER button to enter the selected mode.

Initial Settings

Initial settings page is for you to make your preferred settings up for your player. Once the initial settings are done they are retained in the CPU of the player until otherwise modified.

Common procedures for initial settings

1. Press SETUP button on the remote or press MENU button on the unit.
2. Use the navigation buttons to select the item you want to modify, setting page with further setting items displayed shows on the TV screen. Again use navigation buttons to make changes. Press ENTER button to confirm modifications.
3. Use navigation buttons to switch to another setting on the main setting page.
4. Press SETUP button on the remote or press MENU button on the unit to exit main setting page.

1. SYSTEM SETUP

1.1 TV SYSTEM - it is used to select the TV mode.

Please select this option as per your TV set.

1.2 SCREEN SAVER- when the player is not in used for several minutes, a running DVD logo will move across the TV screen to protect the TV screen.

Options: On: Screen saver is enabled

Off: Screen saver is disabled

1.3 TV TYPE- it is used to select the TV scan mode, please set as per your TV set.

Options: 4:3PS : Normal Pan & scan mode

4:3LB : normal Letter box mode

16:9 : 16:9 wide screen mode

1.4 PASSWORD- input password to unlock the system. The steps are as follows:

- 1.4.1 Enter SYSTEM SETUP, select the PASSWORD item by scrolling the down navigation button, and then press the right navigation button to select the input box.
- 1.4.2 Input user's password "0000" to unlock it, in this case, select the input box again to change the password by inputting another new four numeric numbers and then press ENTER button to confirm. When the password is changed, you are needed to input the new one to unlock the system.

1.4.3 Once you forget your own password, use the supervisor's password "8200" to unlock it.

NOTE: If wrong password was input in unlock status, the system will lock.

1.5 RATING - Set the rating of this player. If you want to change the rating of parental lock, please input the password to unlock first.

Options: **1 KID SAFE / 2 G / 3 PG / 4 PG 13 / 5 PG-R / 6 R / 7 NC-17 / 8 ADULT**

1.6 DEFAULT - Reset to factory settings.

Options: RESTORE

2. LANGUAGE SETUP

2.1 OSD LANGUAGE - It is used to select different On Screen Display language for different user.

2.2 AUDIO LANG - select preferred audio language.
(DVD only, need disc software support)

2.3 SUBTITLE LANG- Select preferred subtitle language.
(DVD only, need disc software support)

2.4 MENU LANG - Select preferred disc menu language.
(DVD only, need disc software support)

3. VIDEO SETUP

3.1 BRIGHTNESS - to set the brightness for the display.
Options: 0/2/4/6/8/10/12

3.2 CONTRAST - to set the contrast effect for display.
Options: 0/2/4/6/8/10/12

3.3 HUE - to set the colour impression for display.
Options: -6/-4/-2/0/+2/+4/+6

3.4 SATURATION - to set the saturation level for display.
Options: 0/2/4/6/8/10/12

4. SPEAKER SETUP

4.1 DOWNMIX

Options: **LT/RT** - Left/Right mix mode

STEREO - Select this option if you don't have a 5.1 channels amplifier.

ADJUSTING THE SLAVE SCREEN

UP/VOL+

During play back, press to increase volume directly.

DOWN/VOL- KEY

During play back, press to decrease volume directly.

MODE KEY

During playback, press repeatedly to adjust brightness, color, contrast, sharpness, tint effect for the display and volume for the audio output of the slave screen via UP/DOWN button near the MODE button.

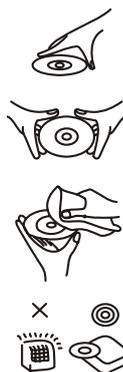
REVERSE KEY

During playback, press to reversing the screen.

16:9/4:3 KEY

Repeatedly press to choose the aspect ratio.

Disc Handling precautions



- Hold the disc by the edge so the surface will not be soiled with finger prints. Finger prints, dirt and scratches can cause skipping and distortion.
- Do not write on the label side with a ball-point pen or other writing utensils.
- Do not apply benzine, thinner, and liquid that prevents against static electricity.
- Be careful not to drop or bend the disc.
- Instal only one disc on the disc tray.
- Do not try to close the disc tray when the disc is not in stalled properly.
- Be sure to store the disc in it's case when not in use.

TROUBLESHOOTING

If your DVD player does not seem to be functioning properly, check the items below before you contact an authorized service center

Symptom	Check
Power does not turn on or suddenly turns off.	<ul style="list-style-type: none"> Make sure the adapter is securely plugged in. Turn the power off and then back on.
Battery pack is in place but the power does not turn on or suddenly turns off.	<ul style="list-style-type: none"> Check that the battery pack is charged. If not, recharge it.
Remote control won't work	<ul style="list-style-type: none"> Check that the battery is inserted in the "+" and "-" direction properly. The battery may be flat. Replace it with a new one. Check that the signal transmission is directed at the remote control sensor on the DVD player. Remove the obstacle between the remote controller and remote control sensor.
No picture or sound	<ul style="list-style-type: none"> Check that the A/V cables are securely connected. Check that the disc is a DVD, DVD-RW or AUDIO CD. Do not use a disc that has scratches or dirt. Check that the label-side of the disc is facing up. The pick-up lens of the DVD player may be dirty. Contact the service center for lens cleaning. Check that the TV channel is set to VIDEO or AV if viewing with a TV.
No picture	<ul style="list-style-type: none"> Check that the LCD display is turned on.
No sound	<ul style="list-style-type: none"> Check that the display panel is open. If it is closed, audio will not be output to the speakers. Check the volume setting. If set to zero, turn up volume level. Check that the headphones are plugged into the PHONES socket. Speakers cannot be used with the headphones.
No picture and sound	<ul style="list-style-type: none"> Check that the battery is properly installed and the Adapter is properly connected.
Distorted video or sound	<ul style="list-style-type: none"> Use a disc without scratches or dents.

CAUTION

- 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.
- Minimum distances 2.0cm around the apparatus for sufficient ventilation.
- The ventilation should not be impeded by covering the ventilation openings with items, such as newspapers, table-cloths, curtains, etc.
- No naked flame sources, such as lighted candles, should be placed on the apparatus.
- When the mains plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.
- The use of apparatus is in tropical and/or moderate climates.
- Attention should be drawn to the environmental aspects of battery disposal.

SPECIFICATIONS

Power source: DC 9V 2A

Power consumption: 11W (Main unit)

18W (Main unit & Slave screen)

TV systems supported: PAL/NTSC/AUTO

Operating Temperature Range: +5°C to +35°C

Continuous playing time: 120 minutes

Dimensions: 219.1(L)×180.2(W)×39(H)

Operating Humidity Range: 10 % to 75 %

Battery of Remote Control: CR2025, 3V

Discs supported:

1. DVD-VIDEO disc

- 12 cm single-sided, single-layer
- 12 cm single-sided, dual-layer
- 12 cm double-sided, single-layer
- 8 cm single-sided, single-layer
- 8 cm single-sided, dual-layer
- 8 cm double-sided, single-layer

2. CD-DA/CD-R/CD-RW/MP3 -CD

12cm disc

8cm disc

Audio signal output:

1. DVD (linear audio)

- (1) Frequency response: 20Hz-20KHz (48KHz sampling)&20Hz-20KHz (96KHz sampling)
- (2) S/N ratio: >45dB
- (3) Dynamic range: 90dB

2. CD audio:

- (1) Frequency response: 20Hz-20KHz
- (2) S/N ratio: >45dB
- (3) Dynamic range: 90dB

Specifications are subject to change without notice



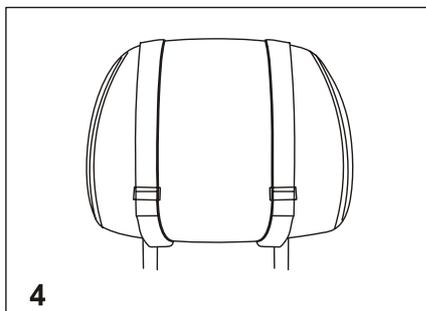
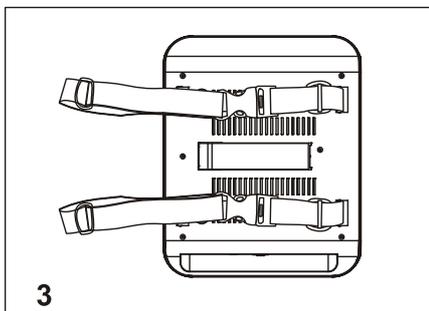
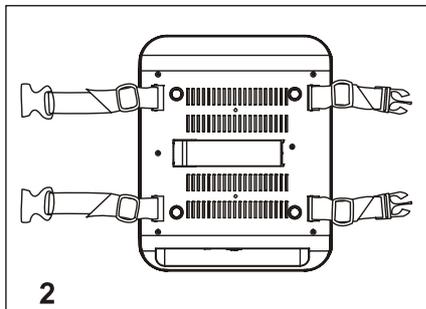
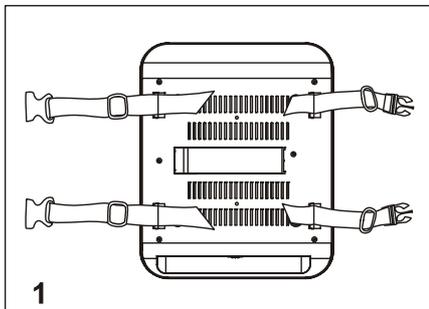
If at any time in the future you should need to dispose of this product please note that: Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice.

(Waste Electrical and Electronic Equipment Directive)

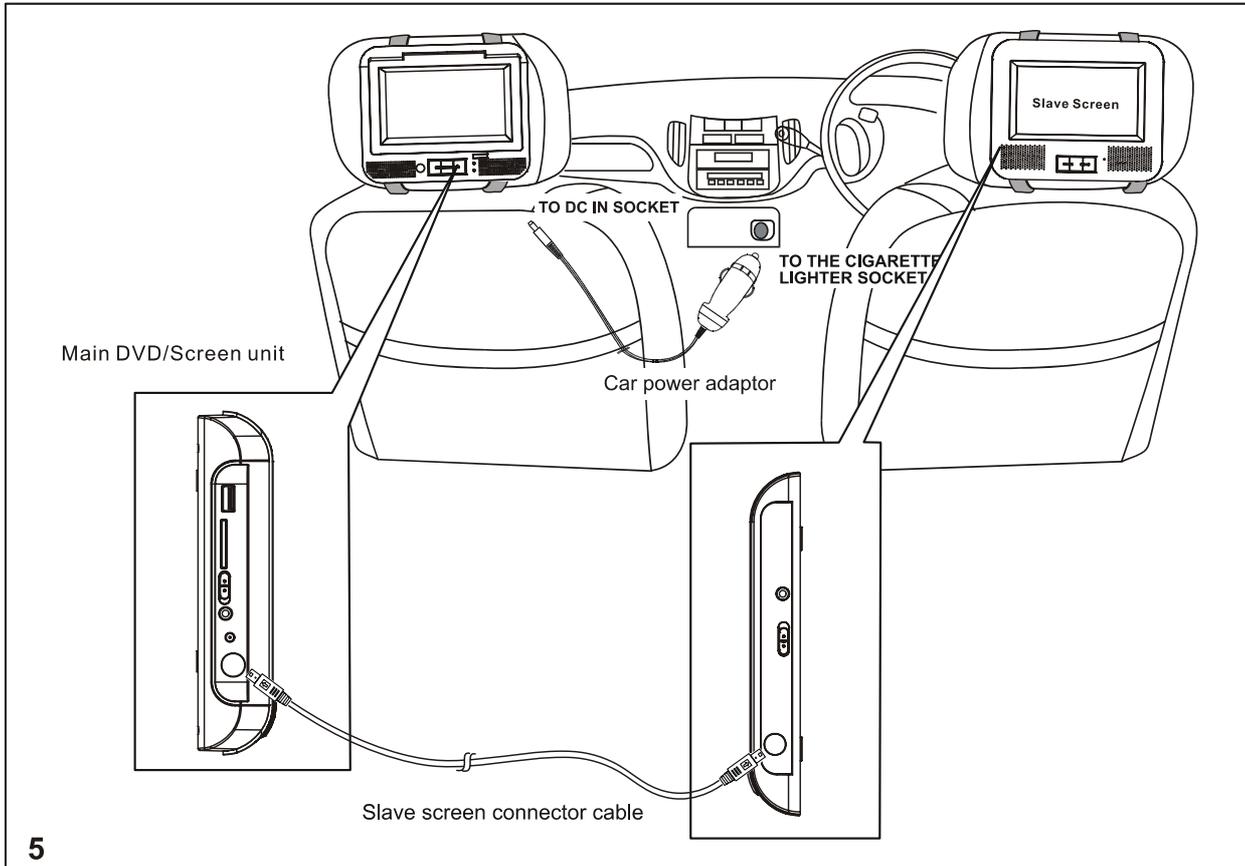
Installation of the portable DVD player in a vehicle

WARNING

- On no account should this unit be used by the driver of a moving vehicle, or left unsecured in the vehicle whilst driving.
- If this unit is being used by a passenger, ensure that it is secured or held safely, and that it does not obstruct any safety devices (eg. Airbags, Seatbelts etc).
- Some vehicles have what is known as an "Active Headrest". If your vehicle has this feature, please consult your vehicle's manufacturer to determine whether the screens can be attached safely to your vehicle headrest.



1. Put the headrest straps through the metal bars.
2. Reverse the straps and put them through the adjustable latches.
3. Buckle up left straps with right straps.
4. Adjust the length of the straps and fix the unit to the headrest.



5. Connect the Car power adaptor as shown. Your portable DVD player and slave screen now be used for in-car entertainment, as long as the vehicle's engine is running. Note that the remote sensor is only on the Main unit, so use of the remote control will have to be adjusted accordingly.