OLIN®

DVD Player
DVD-510

USER MANUAL

DVD-510
Operating manual
It's important to read this manual carefully before the start-up, use and set-up of the player. Keep the manual for future reference.

CAUTION
Risk of electric shock
DO NOT OPEN
WARNING: In order to reduce the risk of fire or electrical shock, do not remove the device panels. Contact qualified personnel for service and repairs.

The lightning bolt in a triangle symbol indicates to the user that there are dangerous voltages inside the device that can result in electrical shock.

The exclamation point in a triangle symbol indicates to the user important operating instructions and technical service information in the accompanying literature.

CLASS 1 LASER PRODUCT
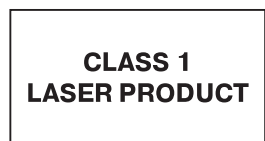
Indicates a device using a laser. This symbol must be located on the rear panel of a device, indicating that the device contains a Class 1 laser and that laser rays are in use. The possibility of laser exposure does not exist without opening the device.

CAUTION! IN ORDER TO AVOID ELECTRICAL SHOCK, FIRST CONNECT THE CORD TO THE PLAYER, AND THEN INSERT PLUG INTO THE ELECTRICAL OUTLET.

CAUTION! This device contains a DVD player that uses a laser system. Do not open the case in order to avoid exposure to laser radiation. Invisible laser radiation is present when the case is open. DO NOT LOOK AT THE LASER RAYS. Furthermore, use of the control system or making adjustments or completing operations, other than those described in these instructions, can lead to dangerous exposure to radiation. We urge you to carefully study these operating instructions and save them for future use. Contact a service center (if necessary) for service and repairs.

CAUTION! DO NOT OPEN THE UPPER HOUSING OF THE DEVICE DUE TO RISK OF ELECTRIC SHOCK. THERE ARE NO USER-SERVICEABLE PARTS INSIDE. EMPLOY THE SERVICES OF QUALIFIED PERSONNEL.

ATTENTION
IN ORDER TO AVOID ELECTRICAL SHOCK, THE WIDE PRONG OF THE PLUG SHOULD BE FIRMLY AND COMPLETELY INSERTED INTO THE OUTLET. WATER MUST NOT SPILL INTO THE DEVICE. DO NOT PLACE CONTAINERS OF LIQUIDS, LIKE VASES, ONTO THE DEVICE.

MAINTENANCE RULES
- In the event of damaging the plug or the power cable of the DVD player, please, unplug the player and send it for fixing to a qualified technician
- Don't plug too many electric appliances into one electric socket and don't prolong the cable as it can result in a fire or an electric shock
- Don't put anything on the power cable and don't connect the power cable randomly as it may result in a fire or an electric shock
- In the event of dropping the DVD player or damaging its panel, Please unplug the player and send it for repairing to a qualified technician.
- Don't insert anything in the DVD player housing. Never touch high voltage parts – this may cause fire or electric shock.
- To reduce the hazard of fire and electric shock don't remove the cover (or back panel) of the unit. Refer servicing only to qualified service personnel.
- Don't place the DVD player on unstable surfaces, brackets or desks. In the event of dropping this may cause injury to people and damage to the player itself.
- In case the air humidity is too high don't put the unit in dusty places. The dust collected may cause failure of the DVD player's base.
- Don't use the DVD player next to running water, in particular near bath tubs, dishwashers or basements.
- Don't cover the radiation hole with cloth or other materials.
- Don't place the DVD player in beds, on sofas, Rugs and other similar places where it's easy to block ventilation.
- Don't put the DVD player on radiators, next to heat sources or places nearby.

- Don't put the DVD player in places with limited ventilation.
- Avoid pouring any liquids on the DVD player and don't place any reservoirs with liquids (for instance, decorative vases) on the unit.
- Prevent the Display of the DVD player from direct sun beam exposure.
- In the event the DVD player still cannot work after the set up in accordance with the TROUBLESHOOTING instructions, don't open the unit by yourself. Please, address repairing to professional technicians.
- Please, operate the DVD player according to the User Manual. Should the DVD player be damaged due to your incorrect operation, please, refer its repair to professional technicians.
- Disconnect the player if not being used for long period of time.
- Please, switch the unit off, remove the plug from the socket and refer to a professional technician if the DVD player produces abnormal sounds or smells.
- Due to the hazard of fire don't put the sources of naked fire on or next to the DVD player. (eg candles)
- Prevent the DVD player housing (and especially its display) from hits.

IMPORTANT SAFETY NOTICES

IMPORTANT!
- In order to prevent unit sections from damages provide good ventilation.
- Protect the DVD player from damages caused by moisture or electric shock. Keep the device safe from exposure to rain or moisture. Don't put flowerpots or other objects with water onto the unit.
- To reduce the risk of fire or electric shock don't remove the cover (or the back panel) of the DVD player. Refer servicing only to qualified service professionals.
- Don't allow heat source impacting on the device.
- Where the main plug or an appliance coupler is used as the disconnect device, the disconnect device shall reamin readily operable.

CAUTION!
- Clean the DVD player only with dry cloth.
- Don't touch the unit cover if there is a threat of electric shock.
- Stop using the device at once after finding abnormal phenomena, such as smoke, unusual sounds or smells. In this event, please, switch off and unplug the unit immediately.
- Unplug the device when unused for long periods of time.

Special caution:
This product uses Class 1 lasers. If laser beams are directed to your skin it will trigger radiation damage. Please, refer to the user guide when using this appliance!

Please, read the manual carefully before operation. Keep it in a safe place for future reference.

USAGE NOTICES ON THE DVD PLAYER
Please, don't put the player in following positions:
- In direct sun light or heat radiation places, such as heaters, stoves or other appliances that produce heat.
- Tops of other heat radiation devices.
- Places with bad ventilation or dusty, high moisture, unsteady or places with vibration or those exposing the unit to rain or water.
- Next to high power speakers or on the same stand with the speakers.
- To prevent the unit from damage don't play scratched, bent or cracked discs.

USAGE NOTICES ON POWER SUPPLY
- The power supply required is AC 110 -240V 50/60Hz.
- If you don't intend to use the DVD player for a long period of time, please, disconnect the AC power plug from the outlet.
- To extend the service life of the device, the period between switching the DVD player on and off should last at least ten seconds.

MAIN FEATURES OF THE DEVICE
1. Fully compatible with DVD, SVCD, DVCD, VCD, Mp3, PHOTO CD, DVD-R, DVD-RW, CD-R and CD-RW formats
2. Read picture CD to realise digital picture displaying.
3. 10-bit digital video converter with the resolution of more than 500 lines.
4. 24-bit/96KHz digital audio converter, high quility of sound effect, professional Hi-Fi level.
5. Video component signal S-video output, composite video output, optical and coaxial output for selection.

6. Various screen options of TV display; also you may select preferred story section to view.
7. Full function intelligent upgrade.
8. Progressive scan function.
9. Highly integrated service system, decoding on single-chip technology, high reliability and stability, super error correction.

24-bit/96Khz Digital/Analog (D/A) converter.
This latest conversion technology matches the software of 96 KHz sampling frequency (twice as high as a CD) and 24-bit data, thus providing you with perfect sound quality without distortion.

Component video output.
The component video output (Y, Cr, Cb) enables you to enjoy true DVD effect. It renders pure colour signals as they are and without any video noise.

Laser head overcurrent protecting system
Laser head is the most important and critical part of the whole machine. Its performance is directly linked to the service life and error correcting function of the whole device. When a common player reads a scratched disc or a non-standard disc, the laser intensity will be 2-4 times or even 20 times higher than the normal level, thus greatly reducing its service life. This appliance is equipped with the unique laser head overcurrent protecting system, which can ensure constant laser current and thus greatly extend the service life of the laser head.
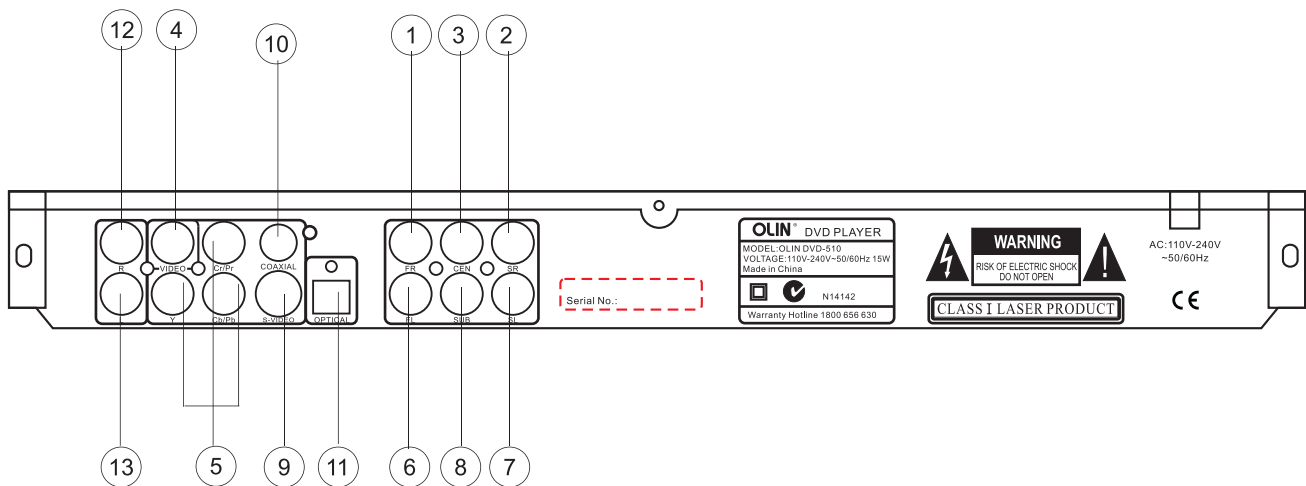
1. Brief instruction of controls
Front panel function:
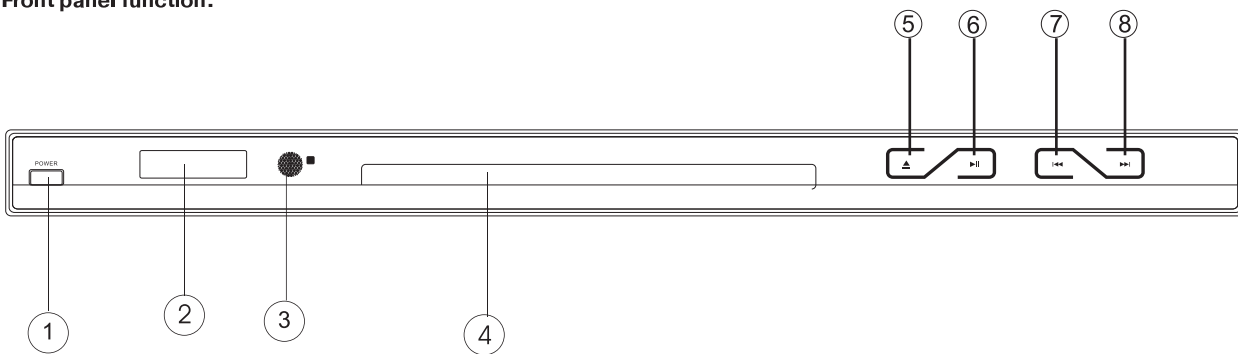
1. POWER	4. DISC TRAY	7. PREV
2. SCREEN	5. OPEN/CLOSE	8. NEXT
3. REMOTE CONTROL SENSOR	6. PLAY/PAUSE	

Back panel function:

1. 5.1 CH FR output jack	6. 5.1 CH FL output jack	11. Digital signal optical output jack
2. 5.1 CH SR output jack	7. 5.1 CH SL output jack	12. R output jack
3. 5.1 CH CEN output jack	8. 5.1 CH SUB output jack	13. L output jack
4. Video output jack	9. S-Video output jack	
5. Component output jack	10. Digital signal coaxial output jack	

3

Remote control

- Point the remote control directly at the player's remote sensor.
- Don't leave the remote control in an extremely hot or humid place.
- Don't insert the batteries in the wrong direction.
- If the remote control does not function correctly or the operating range becomes reduced, replace all batteries with new ones.

1. Power key: power ON/OFF

2. Program key: set play to follow the programs

3. Video key:video signal output switch

4. Repeat key: this key is used to return to previous menu of system setup or PBC operation.

5. Subtitle key: this function may enable you to select multi subtitle languages

6. Default key: reset to the factory setting value

7. Angle key: select various angle to view

8. A-B key: setup repeat play segment

9. Language key: select various language

10.Return key: return to disc menu playback

11. Prev key: press this key to play the previous melody number

12. Next key: press this key to play the next melody number

13. Setup key: display major menu

14. Enter key: confirm your selection

15. Direction keys: move cursor direction

16. Menu key: this key is used to return to previous menu

17. N/P key: transfer video channel

18. L/R key: change the audio channel

19. Numerical Key: select melody number

20. Goto key: set the playing time

21. Volume + key: press to raise the volume level a little

22. Volume - key: press to lower the volume level a little

23. PBC key: press this key to select playing VCD disc format

24. Title key: display title

25. REV key: fast backward

26. FWD key: fast forward

27. Zoom key: zoom in and out the pictures

28. Stop key: press this key to stop the playing machine

29. Step key: playback step mode

30. Pause key: press one time to pause

31. Display key: time indication, title indication, chapter indication

32. Play key: press twice to renew playback

33. Slow key: slowly playing

34.Mute key: press this key to open or close audio output

35.Clear key: clear function

36.Open/Close key: put in or eject disc
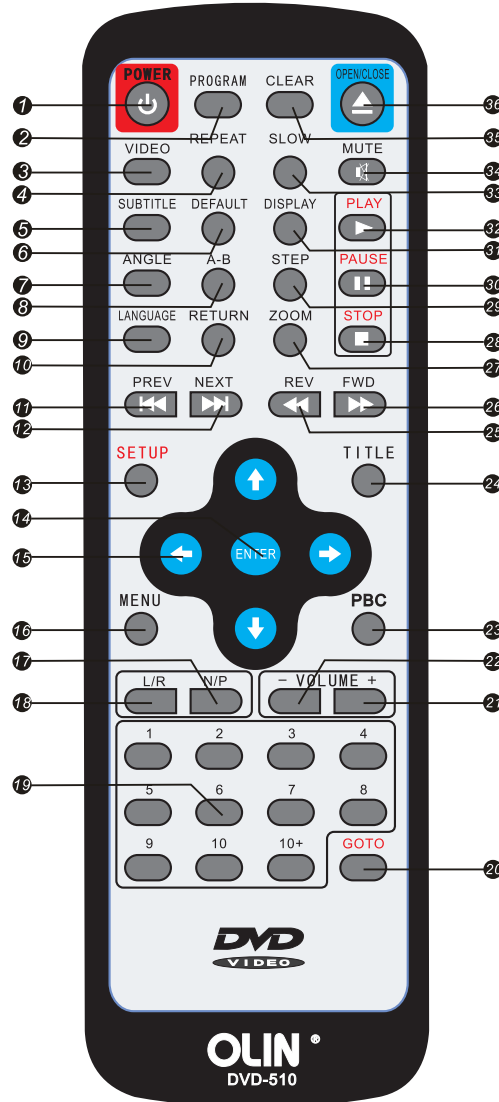
2. PREPARATIONS

2.1 PACKAGE SET
1. DVD player
2. Remote control
3. Audio/video cable
4. User manual
5. Batteries
6. Warranty card
7. Packaging (box)

2.2 Battery installation into the remote control
Place two AAA-format batteries in the battery compartment. Be sure the polarities are correct. There should be no large obstacles between the remote controller and the main unit ,when in use.

2.3 SYSTEM CONNECTION
1. When making connection between this unit and other components ensure that all connections are switched off.
2. Audio/video cables are connected according to the different colour identification and should be inserted firmly.
a. Yellow cable should be connected to video jack.
b. White cable should be connected to audio jack L(Left).
c. Red cable should be connected to audio jack R(Right).
3. Scheme of connection.

4

Digital audio amplifier

Channal amplifier

COAXIAL

OPTICAL

S-VIDEO

FR CEN SR
FL SUB SL

R VIDEO Cr/Pr COAXIAL
L Cb/Pb S-VIDEO OPTICAL

FR CEN SR
FL SUB SL

OLIN DVD PLAYER
MODEL:OLIN DVD-510
VOLTAGE:110V-240V~50/60Hz 15W
Made in China

Serial No.:

N14142

Warranty Hotline 1800 656 630

WARNING
RISK OF ELECTRIC SHOCK
DO NOT OPEN

CLASS I LASER PRODUCT

AC:110V-240V
~50/60Hz

CE

VIDEO
Y
L Pb/Cb
R Pr/Cr

TV
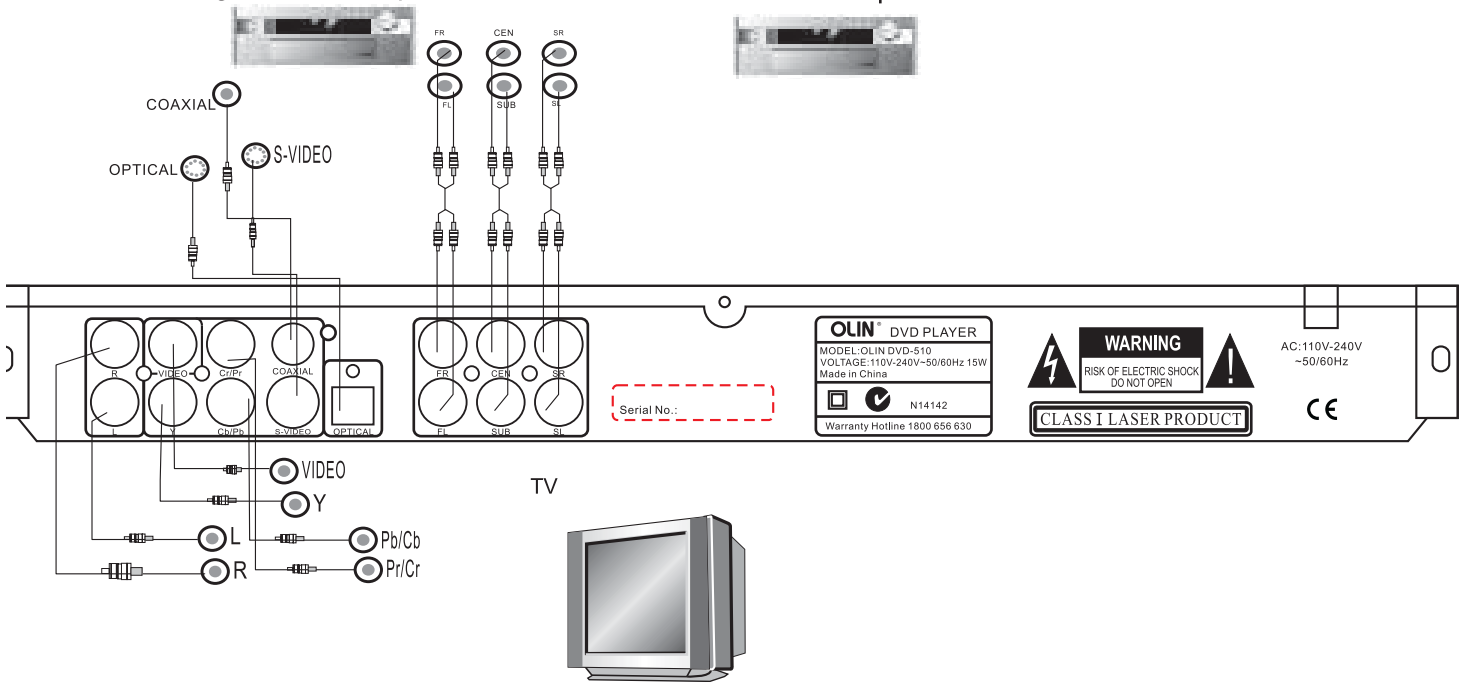
2.4. PLAY MODE SETTING

If you find that the picture does not cover the entire screen or there is no colour, please, select PAL, NTSC or Multi mode by pressing the N/P key.

DVD disc may support pictures with different proportions. When using the TV mode you can also match the screen proportion to the proportions of your discs. Select Normal/Full, Normal/mailbox, wide screen under the System setup. Operate in the following way: Press <SETUP> key to get General setup, press <PLAY> key, use direction keys up and down to select the TV mode, then press left/right keys to to select Normal/Full, Normal/mailbox, or wide screen options according to your need. Finally, press <PLAY>.

3. BASIC OPERATION

Upon the completion of all the connection setup the device is ready for service. Before playing ensure the completion of all the following preparatory operations:
1. Switch on the TV and select AV mode. If the connection format is S-video, select the S-video mode.
2. If an amplifier is used, switch it on and select AC-3 or DVD mode.
3. Plug the DVD player cable in the power point .

Step 1: Press POWER key. After pressing DISC LOADING will display on the screen:

POWER

LOADING
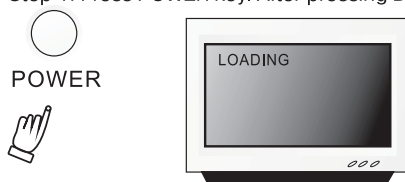
If the disc tray is empty, the NO DISC notice will appear on the screen.

NO DISC

Step 2: Press the OPEN/CLOSE key, the disc tray will come out automatically.
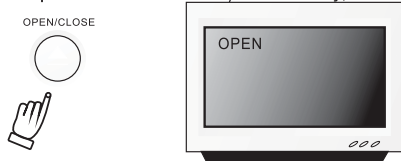
OPEN/CLOSE

OPEN

Step 3: Put the disc on the tray, press the OPEN/CLOSE key to close the tray, the disc type will be shown in the upper-left corner of the screen, as well as on the LED screen.

5

3.1. Disc playing

Once the disc has been read, the machine will start playing automatically.

- If the disc is in DVD format, the machine will show the DVD menu or title menu.
- If the disc is in VCD2.0 mode, the machine will activate PBC playback control status.
- If the disc is in CD format, the machine will start playing the sequence.

Press the PLAY key

PLAY/PAUSE

Press the PAUSE key

PLAY/PAUSE

Press the PREV key:

PREV

Press the NEXT key:

NEXT

Press FWD key to get 2X, 4X, 8X, 16X, 32X normal play circular fast forward function of all type of disc playing.

FWD

Press REV key to get 2X, 4X, 8X, 16X, 32X normal play circular fast reverse function of all disc playing.

REV

Press STOP key one time to stop the VCD and DVD disc playing, press PLAY key to resume the playing, press STOP key twice to totally stop the playing.

STOP

4. FUNCTIONALITY DESCRIPTION

4.1 Display

If the DVD disc is playing, press the Display key on the remote control to get following displays.

After pressing the Display key for the first time:

Display

Title Elapsed
01: 24: 19
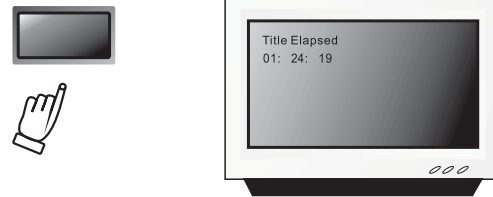
After pressing the Display key for the second time:

Title Remain
01: 44: 34
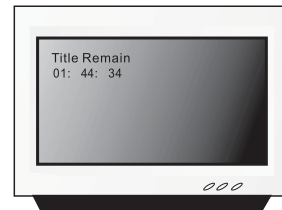
After pressing the Display key for the third time:

Chapter Elapsed
00: 05: 29
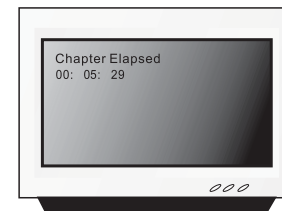
After pressing the Display key for the fourth time:

Chapter Remain
00: 07: 36
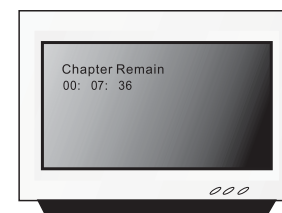
After pressing the Display key for the fifth time the message will disappear from the screen.

6

4.2 N/P function
Press the N/P key repeatedly to get NTSC, Multi or PAL notices on the screen (please, stop the disc playing before choosing this function).

4.3 Subtitles
This function enables you to select multi subtitle languages (32 languages, only for discs with multi subtitles encoded). Press the SUBTITLE key to get the desired text on the screen.

For instance, to select language 1 (English) from 8 options Press SUBTITLE key and select ENGLISH language:
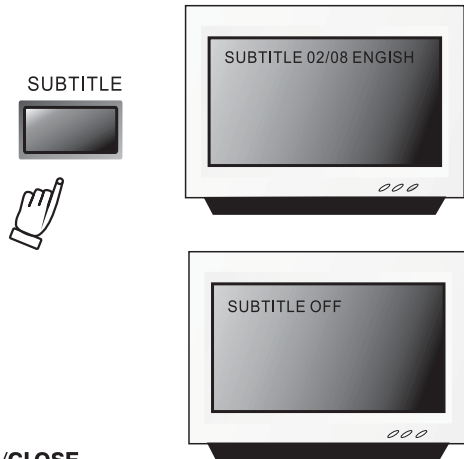If don't need subtitle function, then select SUBTITLE OFF

SUBTITLE

SUBTITLE 02/08 ENGISH

○○○

SUBTITLE OFF

○○○

4.4 OPEN/CLOSE
Eject or load the disc tray in Disc mode.

4.5 PBC (PLAYBACK)
When playing SVCD, VCD2.0 discs press PBC – the disc menu will show. You can select a program from the menu. After loading the disc, the unit will enter PBC ON play automatically. After pressing the PBC button the PBC OFF notice will appear on the screen. In this mode the menu won't appear – press digit key to select the track directly. PBC menu won't appear for VCD1.1, CD-DA and Mp3 formats.

4.6 ANGLE
During athletic matches, concerts or theatrical programs you can select various angles to view the same image by pressing the ANGLE key continually (this function will work only for multi angle encoded discs).

ANGLE

1/4

○○○

4.8 LANGUAGE»
There are 8 languages to select (4 languages for CD format).
Press LANGUAGE key to select languages (this operation works only for multi language encoded discs).
For example, when selecting language 1 from 2 language options with sound field effect AC-3, 2 channels, English the following notice will appear on the screen:

AUDIO 1/8 AC-3 2CH ENGISH

○○○

4.7 TITLE
Press TITLE key to get the title menu (this operation works only with multi title encoded discs).

4.9 MENU
Press MENU key to return to the main menu for DVD playing (this function works only with multi subtitle encoded discs).

4.10. DIRECTION KEYS
When playing discs, the four direction keys allow you to select your option in the title, menu or setup.

If there is no menu or it's not in the setup status, pressing the "left" button of the remote control switches off the VFD display, and pressing the "right" direction button turns the VFD display on.

4.11 NUMBER KEYS
Press relevant number keys for playing favourite pictures according to their series numbers in the menu.

4.12 GOTO
Press GOTO button and select to jump to a Title, a Chapter or a time point.

GOTO

Tt:01/55 Ch:01/14

○○○

Tt:51/55 Time   :   :

○○○

Ch:01/14 Time   :   :

○○○
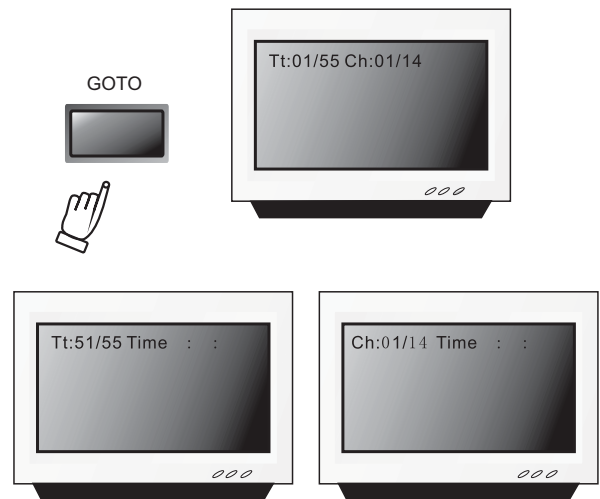
4.13 REPEAT FROM A TO B
First set the initial point (A) by pressing the A-B key:

A - B

A

○○○
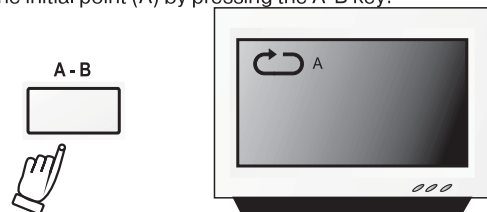
Then set the end point (B) by pressing the A-B key once again:

AB

○○○
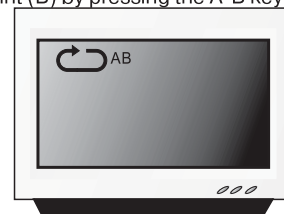
After this setting the program will repeat playing from A to B.

○○○

Third pressing the A-B key will cancel repeating.

4.14 REPEAT FUNCTION

After pressing the REPEAT key in the DVD mode the following notice will appear on the TV screen:
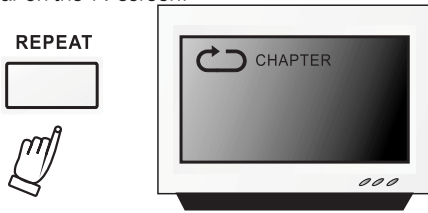
REPEAT

CHAPTER

When repeating the chapter:

TITLE

When repeating the title:

ALL

When repeating all:

4.15 ZOOM

The picture may be enlarged up to 4 times to facilitate enjoying a particular action or still picture. When repeatedly pressing this button up to 3 times, the zoom scales will be 2x, 3x, 4x,respectively. Pressing this button one more time will return the screen to normal play status.

4.16 PROGRAM

If the disc has 2 or more tracks, chapters or files, you may set up the playing order up to your wish. In order to enter the program menu press the PROGRAM button.
By pressing digit keys you can input track, title and chapter numbers. If there are more than ten programmed tracks, press NEXT to go on programming (with a maximum of 20 programmable items) use the up/ down/left/right keys to move the cursor to the START title. Press ENTER for starting PROGRAM playing.
The PROGRAM function is unavailable when playing Mp3 discs! By pressing the PROGRAM button once to enter the DIRECTORY-PLAY mode, you can select the program to play in the current directory; pressing PROGRAM once again will allow you entering the FILE-LIST mode, where you can select the program to play in the file list of the whole disc.

4.17 R/L FUNCTION (SOUND BALANCING)

when playing discs in DVD or SVCD formats the screen shows Aud 1, Aud 2, and "no lead sing" notices. When playing VCD discs it shows "left lead sing", "right lead sing" and "no lead sing".

4.18 VOLUME AND MUTE

Press the <VOL+> volume key to increase volume and the <VOL-> key to reduce volume down to no volume output.
Press the MUTE key to switch the sound off, press it once again for switching the sound on once again.

4.19 THE "SLOW" FUNCTION

When playing a DVD disc pressing the SLOW button repeatedly will enable you to slow the motion by 1/2,1/4,1/8,1/16 as the normal backward speed. For an SVCD or VCD disc, the track will be played at a 1/2,1/4,1/8,1/16 slower than the normal playing speed.

4.20 VIDEO FUNCTION

By pressing the <VIDEO>key you may opt between S-VIDEO, YUV output modes.

5. SETTING UP THE SYSTEM

1. After accessing the SETUP Menu, press the direction buttons for moving up and down to select the item desired, then press the PLAY button to confirm your entry and move to the sub-menu. Use the left and right direction buttons to move the pointer, and the up and down direction buttons to select the option desired. After that press the PLAY button to confirm your selection. Now the setup of this current function is completed.
2. To end the setup, press the SETUP button again. In the SETUP MENU you may choose any of the following options up to your wish.

1.1 GENERAL SETUP

This option is used for setting up the TV screen format., video functions, and DVD functions, with such options, as "TV DISPLAY", "ANGLE MARK", "OSD LANGUAGE", "CAPTION", "SCREEN SAVER" and "LAST MEMORY".

General Audio Dolby Video Preference

.. General Setup Page ..

TV Display	PS
Angle Mark	On
OSD Lang	Eng
Captions	Off
Screen saver	On
HDCD	Off
last memory	Off

Go To General Setup Page

1.1.1 TV SCREEN

Follow the operating instructions stated in "DVD MENU SETUP" in combination with the desired option as shown in the following figure.

General Audio Dolby Video Preference

.. General Setup Page ..

TV Display	PS	Normal/PS
Angle Mark	On	Normal/LB
OSD Lang	Eng	Wide
Captions	Off	
Screen saver	On	
HDCD	Off	
last memory	Off	

Set TV Display Mode

Note:
1). Irrespective of what screen format you have selected, if your screen displays in the 4:3 format, the picture will be shown in that format anyway.

8

2). For DVD discs the screen format is convertible.
3). If your screen displays in 4:3 format, when a DVD with 16:9 display format is used, the picture will be flattened.

TV screen / Film format	4:3			16:9
	Normal	Full view	Mailbox	Wide scrren
4:3				
16:9				

1.1.2 ANGLE MARK
When a DVD supporting multiple angles is used, the user may select a particular shooting angle.

Follow the operating instructions stated in "DVD MENU SETUP" in combination with the desired option as shown in the following figure.

General Audio Dolby Video Preference

.. General Setup Page ..

TV Display	PS	
Angle Mark	On	On
OSD Lang	Eng	Off
Captions	Off	
Screen saver	On	
HDCD	Off	
last memory	Off	

Set Angle Mark

1.1.3 SCREEN LANGUAGE
The user can use this item to switch the language of the setup menu into Russian and back.
Follow the operating instructions stated in "DVD MENU SETUP" in combination with the desired option as shown in the following figure.

General Audio Dolby Video Preference

.. General Setup Page ..

TV Display	PS	
Angle Mark	On	
OSD Lang	Eng	English
Captions	On	
Screen saver	Off	
HDCD	Off	
last memory	Off	

Set OSD Language

1.1.4 HIDE SUBTITLES
Follow the operating instructions stated in "DVD MENU SETUP" in combination with the desired option as shown in the following figure.

General Audio Dolby Video Preference

.. General Setup Page ..

TV Display	PS	
Angle Mark	On	
OSD Lang	Eng	
Captions	Off	On
Screen saver	On	Off
HDCD	Off	
last memory	Off	

Closed Caption

Note:
This function doesn't work if the DVD doesn't show it.

1.1.5 SCREEN PROTECTION
Select in the "General setup" menu to get Screen protection Setting according to the following figure.

General Audio Dolby Video Preference

.. General Setup Page ..

TV Display	PS	
Angle Mark	On	
OSD Lang	Eng	
Captions	Off	
Screen saver	On	On
HDCD	Off	Off
last memory	Off	

Screen Saver

1.1.6 HDCD

General Audio Dolby Video Preference

.. General Setup Page ..

TV Display	PS	
Angle Mark	On	
OSD Lang	Eng	
Captions	Off	
Screen saver	On	
HDCD	Off	Off
last memory	Off	1X
		2X

HDCD

1.1.7 MEMORY PLAY SETTINGS
Select memory play settings according to the following figure:

General Audio Dolby Video Preference

.. General Setup Page ..

TV Display	PS
Angle Mark	On
OSD Lang	Eng
Captions	Off
Screen saver	On
HDCD	Off
last memory	Off

On
Off

Set Last Memory State

1.2 AUDIO SETUP
The function includes speaker setup, SPDIF setup, Dolby digital setup, equalizer setup and 3D processing.

General Audio Dolby Video Preference

.. Audio Setup Page ..

Speaker Setup
SPDIF Setup

Go To Audio Setup Page

1.2.1 SPEAKER SETUP
The submenu options include DOWNMIX MODE, CENTER, REAR, SUBWOOFER, POST DRC and AUDIO SETUP.

1.2.1.1. DOWNMIX MODE
Follow the operating instructions stated in "DVD MENU SETUP" in combination with the desired option as shown in the following figure.

General Audio Dolby Video Preference

.. Speaker Setup Page ..

Downmix	Stereo
Front speaker	LRG
Center Speaker	LRG
Rear Speaker	LRG
Subwoofer	On

LT/RT
Stereo
5.1CH

Set Downmix Mode

This setting is suitable for films. If you need only two channels to enjoy music, it's recommended to select the option 2. Where the 5.1 theater sound is available, the option 4 is recommended.

1.2.1.2 FRONT SPEAKER
When the center, rear and the subwoofer speaker are in the "Off" position, and the front speaker is in the "Large" one, the front audio signal can be mixed with the center, rear and subwoofer speaker. Usually it is set to "Large".

General Audio Dolby Video Preference

.. Speaker Setup Page ..

Downmix	Stereo
Front speaker	LRG
Center Speaker	LRG
Rear Speaker	LRG
Subwoofer	On

Large
Small

Setup Front speaker

The front speaker can be set in Large or Small position.
2.1.3 CENTRAL SPEAKER
Follow the operating instructions stated in "DVD MENU SETUP" in combination with the desired option as shown in the following figure.

General Audio Dolby Video Preference

.. Speaker Setup Page ..

Downmix	5.1CH
Front speaker	LRG
Center Speaker	LRG
Rear Speaker	LRG
Subwoofer	On

Large
Small
Off

Setup Center Speaker

.2.1.4 REAR SPEAKER
The rear speaker can be set in LARGE or OFF positions.
Follow the operating instructions stated in "DVD MENU SETUP" in combination with the desired option as shown in the following figure.

General Audio Dolby Video Preference

.. Speaker Setup Page ..

Downmix	5.1CH
Front speaker	LRG
Center Speaker	LRG
Rear Speaker	LRG
Subwoofer	On

Large
Small
Off

Setup Rear Surround Spea

1.2.1.5 WOOFER SPEAKER

The woofer speaker can be set in ON of OFF positions.
Follow the operating instructions stated in "DVD MENU SETUP" in combination with the desired option as shown in the following figure

General Audio Dolby Video Preference

.. Speaker Setup Page ..

Downmix	5.1 CH
Front speaker	LRG
Center Speaker	LRG
Rear Speaker	LRG
Subwoofer	On

> On
> Off

Setup Subwoofer

1.2.1.6 OUTPUT DYNAMIC COMPRESS

This function can compress audio signals with wide dynamic ranges proportionally to reduce the intensive impact on the speakers.
Follow the operating instructions stated in "DVD MENU SETUP" in combination with the desired option as shown in the following figure.
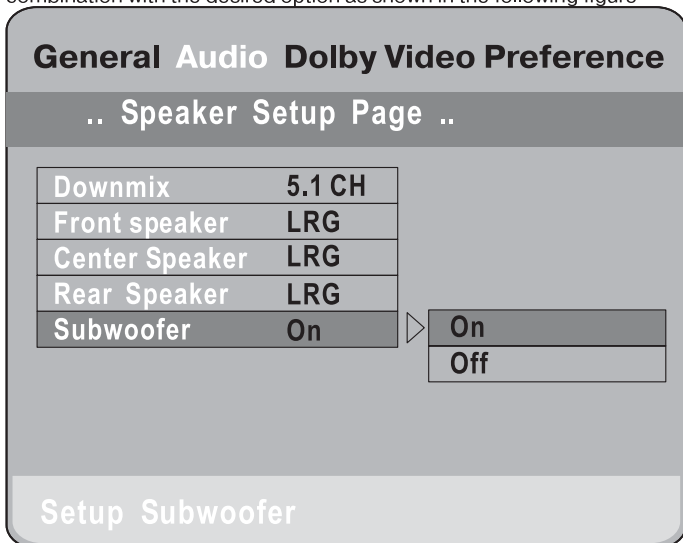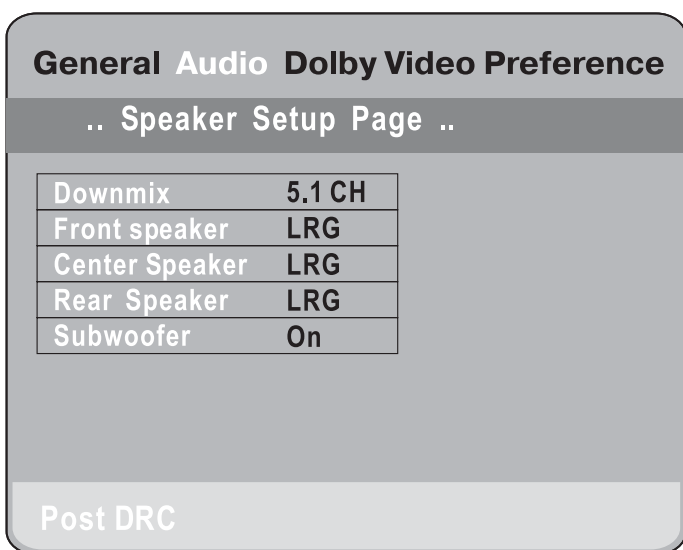
General Audio Dolby Video Preference

.. Speaker Setup Page ..

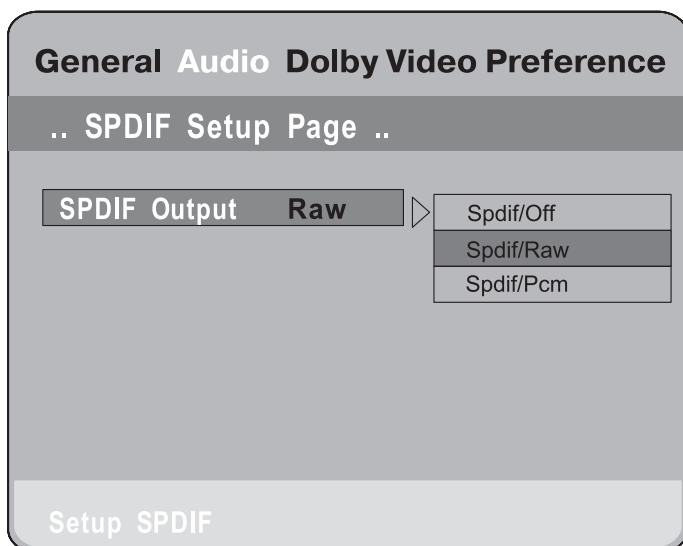| Downmix	5.1 CH
Front speaker	LRG
Center Speaker	LRG
Rear Speaker	LRG
Subwoofer	On

Post DRC

Set up output dynamic compression.
Output dynamic compression can be set in "ON", "OFF" or "AUTO" position.

1.2.2 DIGITAL AUDIO SETUP

The function includes SPDIF output and LPCM output.

1.2.2.1 DIGITAL AUDIO OUTPUT

Dolby digital format audio can be output through OPTICAL or COAXIAL sockets on the rear panel. Follow the operating instructions stated in "DVD MENU SETUP" in combination with the desired option as shown in the following figure.
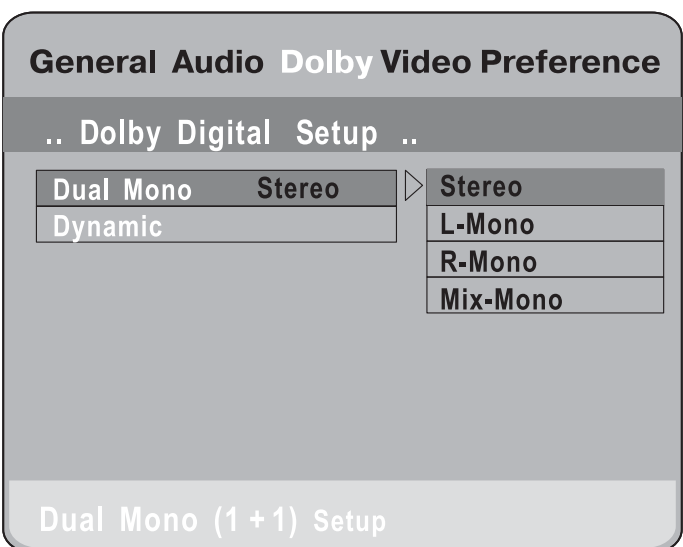
General Audio Dolby Video Preference

.. SPDIF Setup Page ..

SPDIF Output	Raw

> Spdif/Off
> Spdif/Raw
> Spdif/Pcm

Setup SPDIF

1.2.3. DOLBYDIGITALSETUP

Dolby digital setup includes L+R and dynamic range compressing.

1.2.3.1 L+R SETUP

Follow the operating instructions stated in "DVD MENU SETUP" in combination with the desired option as shown in the following figure.

General Audio Dolby Video Preference

.. Dolby Digital Setup ..

Dual Mono	Stereo
Dynamic	

> Stereo
> L-Mono
> R-Mono
> Mix-Mono

Dual Mono (1 + 1) Setup

If you have Dolby digital output in your amplifier/decoder, you may select stereo, left, right and mixed sound according toyour wishes.

1.2.3.2 DYNAMIC RANGE COMPRESSION
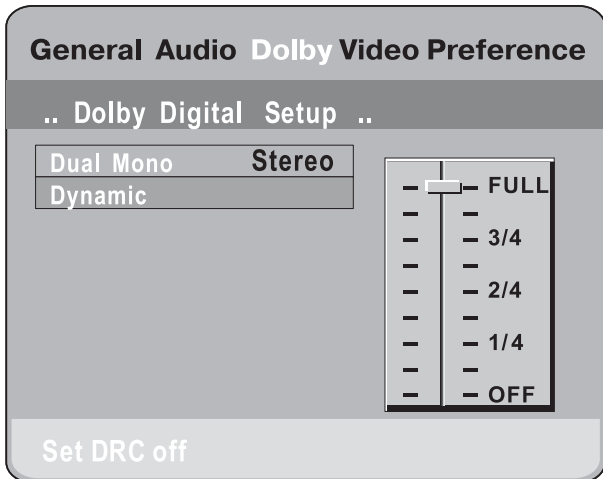
Follow the operating instructions stated in "DVD MENU SETUP" in combination with the desired option as shown in the following figure.
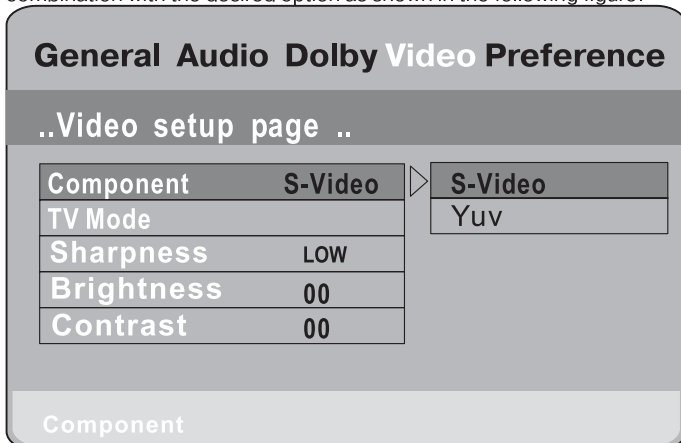
General Audio Dolby Video Preference

.. Dolby Digital   Setup ..

Dual Mono   Stereo
Dynamic

— | — FULL
— |
—   — 3/4
— | —
—   — 2/4
— | —
—   — 1/4
— |
—   — OFF

Set DRC off

1.3 VIDEO SETUP
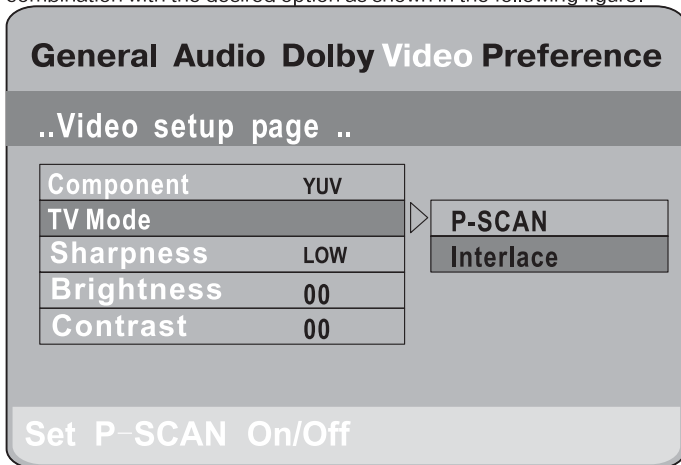This function includes setting up the Component, TVmode and Quality modes.

1.3.1 COMPONENT
Follow the operating instructions stated in "DVD MENU SETUP" in combination with the desired option as shown in the following figure.

General Audio Dolby Video Preference

..Video setup page ..

Component	S-Video	▷	S-Video
TV Mode			Yuv
Sharpness	LOW		
Brightness	00		
Contrast	00		

Component

1.3.2 TV MODE
Follow the operating instructions stated in "DVD MENU SETUP" in combination with the desired option as shown in the following figure.

General Audio Dolby Video Preference

..Video setup page ..

Component	YUV	▷	P-SCAN
TV Mode			Interlace
Sharpness	LOW		
Brightness	00		
Contrast	00		

Set P-SCAN On/Off

1.3.3 QUALITY
The Quality function includes setting up the Sharpness, Brightness and Contrast modes.
1.3.3.1 SHARPNESS
Follow the operating instructions stated in "DVD MENU SETUP" in combination with the desired option as shown in the following figure.
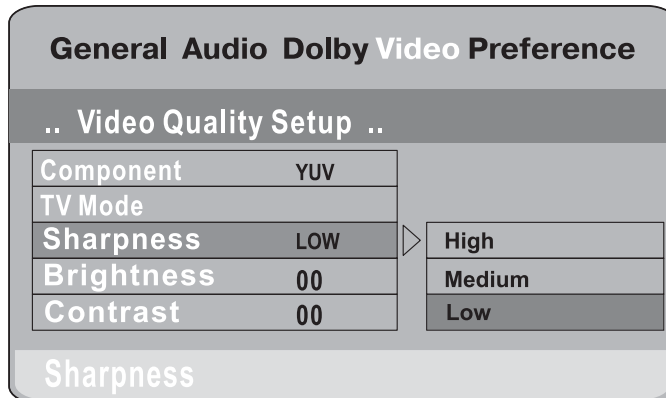
General Audio Dolby Video Preference

.. Video Quality Setup ..

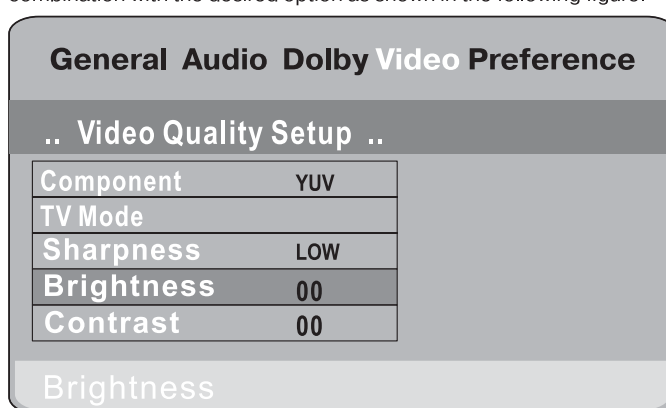| Component | YUV | | |
TV Mode			
Sharpness	LOW	▷	High
Brightness	00		Medium
Contrast	00		Low

Sharpness

1.3.3.2 BRIGHTNESS
Follow the operating instructions stated in "DVD MENU SETUP" in combination with the desired option as shown in the following figure.

General Audio Dolby Video Preference

.. Video Quality Setup ..

Component	YUV
TV Mode	
Sharpness	LOW
Brightness	00
Contrast	00

Brightness

Press the right arrow button to enter the adjustment mode. After that press the left and right buttons to adjust the settings.
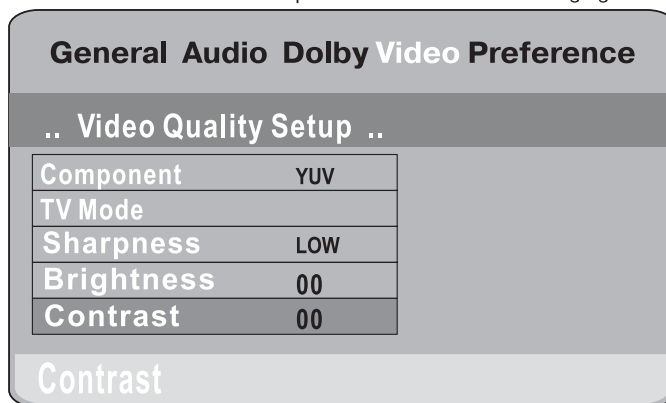Press the enter arrow button to return to the setup menu.

1.3.3.3 CONTRAST
Follow the operating instructions stated in "DVD MENU SETUP" in combination with the desired option as shown in the following figure.

General Audio Dolby Video Preference

.. Video Quality Setup ..

Component	YUV
TV Mode	
Sharpness	LOW
Brightness	00
Contrast	00

Contrast

Press the right arrow button to enter the adjustment mode. After that press the left and right buttons to adjust the settings.
Press the enter arrow button to return to the setup menu.

1.4. PREFERENCE SETUP
Please eject the disk tray first to enter the preference setup page.
Press stop twice and enter stop mode, then press the SETUP button to access the Initial Setup menu which includes such items as TV TYPE, AUDIO, SUBTITLE, DISC MENU, PARENTAL, PASSWORD and DEFAULTS. The preset values are essential to a DVD player. The user may change these items as desired.

1.4.1 TV TYPE SETUP
Follow the operating instructions stated in "DVD MENU SETUP" in combination with the desired option as shown in the following figure.

General Audio Dolby Video Preference

.. Preference page ..

TV type	PAL		PAL
Audio	Eng		Multi
Subtitle	Eng		NTSC
Disc Menu	Eng		
Parental	ADULT		
Password			
Default			

Set TV Standard

This device supports outputs of various systems, including NTSC, Multi and PAL.
1)   If your TV set works only in NTSC or PAL systems, in the event of selecting a wrong system the TV screen will start blinking and become colourless. In this case press the N/P button on the remote controller to return to the normal screen. Don't forget selecting the correct system.
2)   To obtain more information on output formats refer to your TV set instructions.

2.2.2.   AUDIO SETUP
Follow the operating instructions stated in "DVD MENU SETUP" in combination with the desired option as shown in the following figure.

General Audio Dolby Video Preference

Preference page

TV type	PAL		Ehglish
Audio	Eng		French
Subtitle	Eng		Spanish
Disc menu	Eng		Chinese
Parental	ADULT		Japanese
Password			Korean
Default			Russian
			Thai

Preffered audio language

The device provides the built-in disc dubbing language options in such languages as English, French, Spanish, Chinese, Japanese, Korean, Russian and Thai.

2.2.3.   SUBTITLE SETUP

The device provides such built-in subtitle languages, as English, French, Spanish, Chinese , Japanese , Korean,Russian and Thai.
When playing a DVD disc, the user may hide the subtitle or choose any of them as the preset subtitle language.

Follow the operating instructions stated in "DVD MENU SETUP" in combination with the desired option as shown in the following figure.

General Audio Dolby Video Preference

.. Preference page ..

TV type	PAL		English
Audio	Eng		French
Subtitle	Eng		Spanish
Disc menu	Eng		Chinese
Parental	ADULT		Japanese
Password			Korean
Default			Russian
			Thai

Preferred Subtitle Language

2.2.4.   DISC MENU LANGUAGE SETUP
This device provides such such film menu language options, as English, French, Spanish, Chinese, Japanese, Korean, Russian and Thai.

Follow the operating instructions stated in "DVD MENU SETUP" in combination with the desired option as shown in the following figure.

General Audio Dolby Video Preference

.. Preference page ..

TV type	PAL		English
Audio	Eng		French
Subtitle	Eng		Spanish
Disc menu	Eng		Chinese
Parental	ADULT		Japanese
Password			Korean
Default			Russian
			Thai

Preferred Menu Language

1.1.2   PARENTAL CONTROL
Follow the operating instructions stated in "DVD MENU SETUP" in combination with the desired option as shown in the following figure.

General Audio Dolby Video Preference

.. Preference page ..

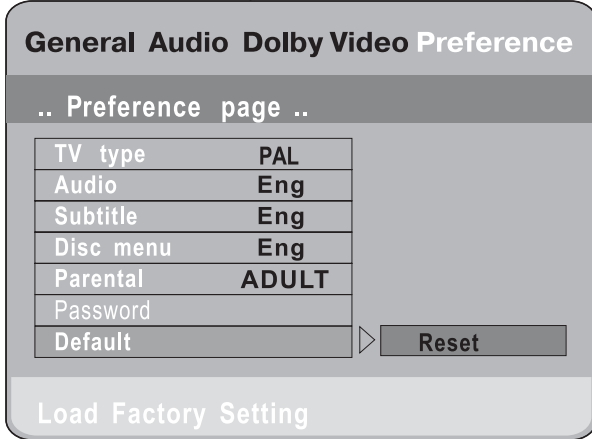| TV type	PAL		1 KID SAF
Audio	Eng		2 G
Subtitle	Eng		3 PG
Disc menu	Eng		4 PG 13
Parental	ADULT		5 PGR
Password			6 R
Default			7 Nc17
			8 ADULT

Set Parental Control

To prevent children watching restricted films the film class may be set according to the label mark on the disc.
This function won't work if the "Password Setup" mode is on.

1.4.6. DEFAULT SETTINGS
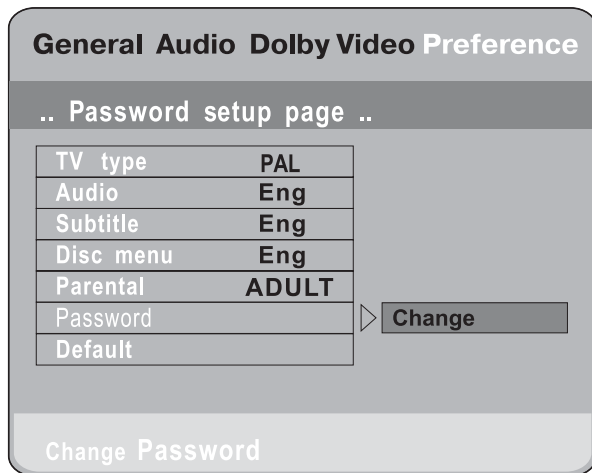This function allows using the original settings of the device.

Follow the operating instructions stated in "DVD MENU SETUP" in combination with the desired option as shown in the following figure.

```
General  Audio  Dolby Video  Preference

.. Preference  page ..

   TV  type          PAL
   Audio             Eng
   Subtitle          Eng
   Disc  menu        Eng
   Parental          ADULT
   Password
   Default        ▷    Reset

Load Factory Setting
```

1.5. PASSWORD SETUP
Follow the operating instructions stated in "DVD MENU SETUP" in combination with the desired option as shown in the following figure.

The default password is "0000". The user may change it using this option.

```
General  Audio  Dolby Video  Preference

.. Password  setup  page ..

   TV  type          PAL
   Audio             Eng
   Subtitle          Eng
   Disc  menu        Eng
   Parental          ADULT
   Password       ▷    Change
   Default

Change Password
```

6. OPERATING THE MP3 FUNCTION
MP3 is an audio compression mode using Level 3 of the international MPEG standard. Under this standard the sound is compressed in the proportion of 12:1. An MP3 disc may contain music enough for playing longer than 600 minutes or record more than 170 songs providing the same sound quality as the CD format.
To play an MP3 disc
Files menu of MP3 play
When playing an MP3 disc 2 file menus can be selected by pressing on the PROG key: File list and Folder.

1. FILE LIST
   This function allows selecting the files to be played by pressing the UP DOWN arrow keys in combination with the ENTER key, or using the number keys together with the ENTER key for direct selection. Should the input number be out of the music numbers, the "CURRENT TRACK NUMBER" display in the screen.
2. FOLDER
   Enter the screen menu first, after that press the UP DOWN or LEFT RIGHT arrow keys and then the ENTER key to select the subdirectory and music.

7. JPEG SETTINGS
JPEG format is the most efficient compression format that is widely used as picture storage type flattened and stored format.
Even if pictures are compressed 15-20 types they still have good performance. Supported by most picture processing software types and fit for picture storage it requires small disc space and is easy for use. The device can play picture CD discs in JPEG format.
Press relevant number keys to select picture display.
1. Put the disc on the disc tray correctly; the machine begins searching the disc information.
2. Press number keys to select the picture.
3. The present picture will be shown only after pressing the number key.

Select playing by choosing the relevant menu item.
1. Insert the disc,machine will start searching for the disc information and the main menu will display on the screen. Press number keys starting from 1 to select pictures, then press the play key to play.
2. Press direction keys to select pictures, then press the play key.
3. In the position of stop press direction keys to select other pictures.
4. In the stop position select the first line item on the right, then press the play key to return to the upper menu.

8. TROUBLESHOOTING GUIDE
For your convenience we have enlisted some points to help solving problems you might encounter while using the DVD player.

No sound
· Ensure firm connection between the player and other appliances, such as power amplifier or TV set.
· Ensure correct operation of the TV and the power amplifier.

No picture
· Ensure firm connection between the player and other appliances, such as power amplifier or TV set.
· Make sure that the disc is clean.

Remote controller doesn't work
· Ensure there are no obstacles between the player and the remote controller.
· Point with the remote controller at the remote control sensor.
· Check the battery

Picture dividing
· Make sure the disc is clean and unscratched.
· As the player is controlled with microcomputer, when encountering a problem switch off the power first and then switch it on again in a few seconds. By then, if no mistake icon is shown, the player shall work well.

9. DISC PROTECTION
Protection
a. When loading or removing the disc, always hold disc from the cental hole and the edge.
b. Don't stick or write anything on the surface. Protect discs from any fingerprints.

Cleaning the disc surface
Use only a soft cloth for disc cleaning. Always wipe discs from the center towards the edge.

Disc storage
a. Never warp the discs. During non-use periods, store discs in their cases, which should be kept vertically. Don't expose discs to high temperatures, humidity or extremely low temperatures, or other conditions that may damage discs.
b. Don't expose discs to direct sunlight.

10. MPEG 4 OPERATION
Basic playback
Play MPEG 4 disc.
After the unit has read the MPEG4 disc, the TV screen will display the following figure:
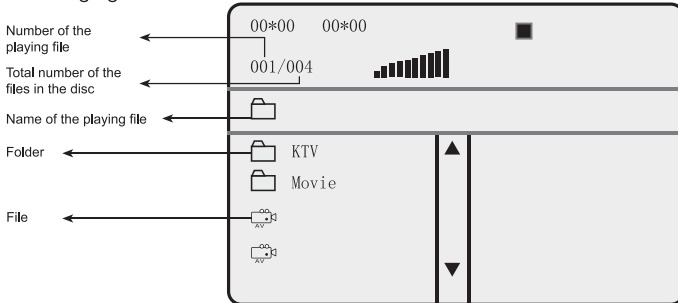
After entering the MPEG4 disc menu press the "up" or "down" direction key to select the desired folder, then press the "enter" key or the "right" direction key to enter the submenu of the folder. Press the "up" or "down" direction keys to select the desired chapter, and then press

the "enter" key to play. Also you can press number keys for selecting chapters to play directly.
Playback tips:
1. when playing the disc menu, pressing the "prog" key once will make the unit put all the files to a general folder. Then press direction keys or number keys to select the chapter desired.
2. when playing the disc menu, press the direction button "right" to enter the next level submenu; or press the direction key "left" to enter the last level menu.
3. when playing the disc menu, press the "mark" key for programming to program the chapter to play. The procedure is as follows: press direction keys to select the desired chapter, then press the "mark" key to program the chapter in the playback list; after finishing programming press the "prog" key to enter the playback list for playing.
4. press the "repeat" key repeatedly to select an option from "play disorderly" -> "random play" -> "one chapter play" -> "one chapter repeat" -> "catalogue repeat" -> "catalogue play" digital selection of the chapter: when playing the menu or one chapter press number keys for direct chapter selection, for example: to select chapter 28 press the numbers "2" and "8", then press the "enter key".

11.Technical Specifications
Type	DVD PLAYER
Model	**DVD-510**
Play mode	NTSC/**PAL**/MULTI
Disc mode	DVD, SVCD, DVCD, VCD, MP3,
PHOTO CD, CD-R, CD-RW, DVD+R, DVD-R, DVD-RW, DVD+RW	
Video format	Mpeg 1/2/4, AVI,Xvid,DivX.
Audio format	MP3,WMA
Multi region	0～6
Resolution	≥ 500 lines
Video S/N ratio	≥ 56 dB
Frequency response	fs 96 KHz: 4Hy-44KHz: +/-1 dB
Audio S/N ratio	≥ 90 dB
Dynamic range	≥ 90 dB
Distortion	< 0.01%
D/A converter	192KHz/24bit
Video Output	1Vp-p(75 Ohm)
S-video output	Y: 1Vp-p(75 Ohm) C:0.3Vp-p(75 Ohm)
Audio output	2.0V±0.0V, 1.0V

AC-3	5.1-channel output
Power voltage	110 -240V 50/60 H^z
Power consumption	≥15 W
Dimensions	360x230x50mm
Weight	1.89 KG

Need some help?
Call our toll free
Customer Helpline today!

FREE CALL **Customer Helpline** ☎ **1800 656 630**

Or visit our website
www.westwell.com.au/olin

WESTWELL
CONNECTING EAST TO WEST