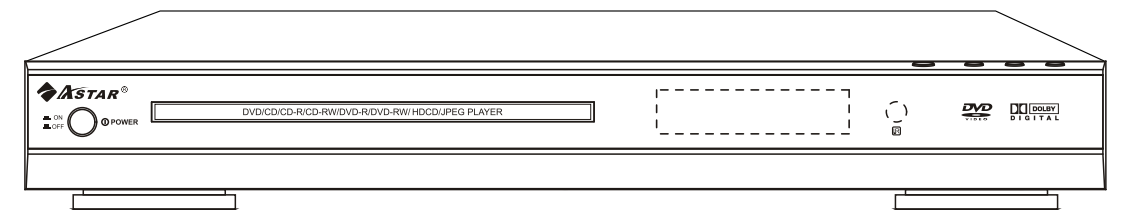




DVD-3200

User Manual



Please read this User Manual carefully to ensure proper use of this product and keep this manual for further reference.

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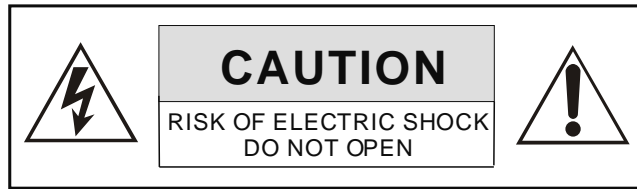
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THE LIGHTNING FLASH WITH ARROWHEAD SYMBOL WITHIN AN EQUILATERAL TRIANGLE IS INTENDED TO ALERT THE USER TO THE PRESENCE OF UNINSULATED "DANGEROUS VOLTAGE" WITHIN THE UNIT'S CABINET THAT MAY BE OF SUFFICIENT MAGNITUDE TO CONSTITUTE A RISK OF ELECTRIC SHOCK TO PERSONS.



THE EXCLAMATION POINT WITHIN AN EQUILATERAL TRIANGLE IS INTENDED TO ALERT THE USER TO THE PRESENCE OF IMPORTANT OPERATING AND MAINTENANCE (SERVICING) INSTRUCTIONS IN THE MANUAL ACCOMPANYING THE UNIT.

WARNING:

TO PREVENT FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THE UNIT TO RAIN OR MOISTURE. NEVER ATTEMPT TO OPEN THE CABINET, DANGEROUS HIGH VOLTAGES ARE PRESENTED IN THE UNIT. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

CAUTION:

TO PREVENT ELECTRIC SHOCK, MATCH WIDE- BLADE PLUG WITH WIDE SLOT AND FULLY INSERT. THE APPARATUS SHALL NOT BE EXPOSED TO WATER AND NO OBJECTS FILLED WITH LIQUID SUCH AS VASES SHALL BE PLACED ON THE APPARATUS.

CAUTION:

THE UNIT EMPLOYS A LASER SYSTEM. TO ENSURE THE PROPER USE OF THE UNIT, READ THIS MANUAL CAREFULLY AND KEEP IT FOR FUTURE REFERENCE.

IF THE UNIT REQUIRES SERVICING, CONTACT THE SELLER OR SEE "TROUBLESHOOTING".

TO PREVENT DIRECT EXPOSURE TO THE LASER RADIATION, DO NOT OPEN THE CABINET. VISIBLE LASER MAY RADIATE WHEN THE CABINET IS OPENED OR THE INTERLOCKS ARE DEFEATED. DO NOT STARE INTO THE LASER BEAMS.

CAUTION:

THE DVD VIDEO PLAYER IS A CLASS 1 LASER PRODUCT. USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE. AS THE LASER BEAM USED IN THIS DVD VIDEO PLAYER IS HARMFUL TO THE EYES, DO NOT ATTEMPT TO DISASSEMBLE THE CABINET. REFER SERVICING TO QUALIFIED PERSONNEL ONLY.

WARNING:

FCC REGULATIONS STATE THAT ANY CHANGE OR MODIFICATION TO THE EQUIPMENT, NOT EXPRESSLY APPROVED BY MAKER OR ITS AUTHORIZED PARTIES, COULD VOID USER'S AUTHORITY TO OPERATE THIS EQUIPMENT.

Power requirements: 90-240V~50/60Hz

Power consumption: 15W

Video standard: NTSC/PAL/AUTO

Unit Weight: 2.1 KG

Video out

Video out: 1.0V(p-p)/75 Ω , sync, negative polarity, RCA pin Jack x 1

S-video output connector(separate Y、C signal output connector):

Y output: 1.0V(p-p)/75 Ω , sync, negative polarity

C output: 0.286 V(p-p)/75 Ω

Audio out

2.1channel out: 1.85V(rms)/10k Ω , RCA pin Jack(L,R) x 1

5.1channel out: RCA pin Jackx6

Coaxial out/Optical: 0.5V(p-p)/75 Ω , RCA pin Jack x 1

Frequency response: 20Hz to 20kHz

S/N ratio: >90dB

Total harmonic distortion: < 0.05%

[Accessories]

Video/Audio cablex1

Remote Controlx1

User s Manualx1

Specifications are subject to change without notice.

Weight and dimensions are approximate.

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

1. Read Instructions

All the safety and operating instructions should be read before the product is operated.

2. Retain Instructions

The safety and operating instructions should be retained for future reference.

3. Heed Warnings

All warnings on the product and in the operating instructions should be adhered to.

4. Follow Instructions

All operating instructions should be followed.

5. Cleaning

Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.

6. Attachments

Do not use attachments not recommended by the product manufacturer as they may cause hazards.

7. Water and Moisture

Do not use this product near water for example, near a bathtub, wash bowl, kitchen sink, or laundry tub; in a wet basement; or near a swimming pool; and the like.

8. Accessories

Do not place this product on an unstable cart, stand, tripod, bracket, or table. The product may fall, causing serious injury to a child or adult, and serious damage to the product. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the product. Any mounting of the product should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer.

9. Portable Cart Warning

A product and cart combination should be moved with care. Quick stop, excessive force, and uneven surface may cause the product and cart combination to overturn.

10. Ventilation

Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the product and to protect it from overheating, and these openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.

11. Power Sources

This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your product dealer or local power company. For products intended to operate from battery power or other sources, refer to the operating instructions.

12. Grounding or Polarization

This product may be equipped with a polarized alternating current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.

13. Power Cord Protection

Power supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the product.

14. Protective Attachment Plug

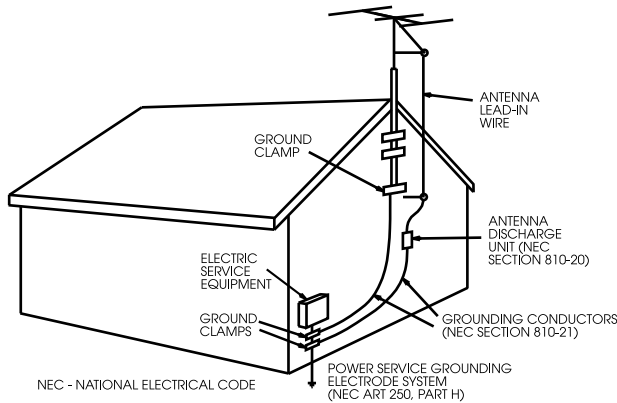
The product is equipped with an attachment plug having overload protection. This is a safety feature. See Instruction Manual for replacement or resetting of protective device. If replacement of the plug is required, be sure the service technician has used a replacement plug specified by the manufacturer that has the same overload protection as the original plug.



(Symbol provided by RETAC)

15. Outdoor Antenna Grounding

If an outside antenna or cable system is connected to the product, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built-up static charges. Article 810 of the National Electrical Code, ANSI/NFPA 70, provides information with regard to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. See figure below.



16. Lightning

For added protection for this product during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the product due to lightning and power lines surges.

17. Power Lines

An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.

18. Overloading

Do not overload wall outlets, extension cords, or integral convenience receptacles, as this can result in a risk of fire or electric shock.

19. Object and Liquid Entry

Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.

20. Servicing

Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

21. Damage Requiring Service

Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:

- A) When the power-supply cord or plug is damaged,
- B) If liquid has been spilled, or objects have fallen into the product,
- C) If the product has been exposed to rain or water,
- D) If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation,
- E) If the product has been dropped or damaged in any way, and
- F) When the product exhibits a distinct change in performance this indicates a need for service.

22. Replacement Parts

When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.

23. Safety Check

Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.

24. Wall or Ceiling Mounting

The product should be mounted to a wall or ceiling only as recommended by the manufacturer.

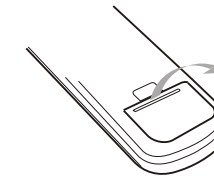
25. Heat

The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.

Insert batteries

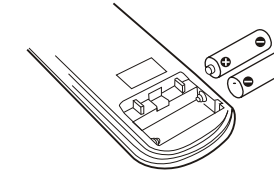
1

1. Open the cover.



2

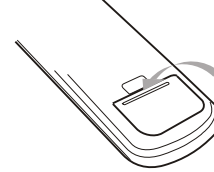
2. Insert batteries.



Make sure to match the "+" and "-" of the batteries with the marks inside the battery compartment.

3

3. Close the cover.



Notes:

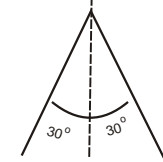
Improper use of batteries may cause battery leakage and corrosion. To operate the remote control correctly, follow the instructions below:

- Do not insert the batteries in the wrong direction.
- Do not charge, heat, open, or short-circuit the batteries.
- Do not throw batteries into a fire.
- Do not leave dead batteries in the Remote Control.
- Do not use different types of batteries together, or mix old and new batteries.
- If you do not use the remote control for a long period of time, remove the batteries to avoid possible damage from battery corrosion.
- If the remote control does not function correctly or the operating range becomes reduced, replace all batteries with new ones.
- If battery leakage occurs, clean the battery compartment, then insert new ones.

Using the remote control

Point the remote control at the remote sensor.

(The pictures below are for reference only.)



Remarks: Do not expose the remote sensor of the DVD Player to a strong light source, such as direct sunlight.

Notes:

- Point the remote control directly at the player's remote sensor.
- Do not leave the remote control in an extremely hot or humid place.
- Do not spill water or put anything wet on the remote control.
- Battery life is ~1 year under normal conditions.

If you have any questions, please consult the troubleshooting guide below.

NO PICTURE OR SOUND

- Ensure the power button is on.
- Ensure the power outlet is operational.
- Ensure the power cord is not damaged.
- Ensure the power plug is connected firmly to the outlet.

PICTURE BUT NO SOUND

- Ensure the audio jacks are securely connected.
- Ensure the audio connector is not damaged.
- Ensure the volume is turned up in VOL/CH setup.
- Ensure you have set the player's AUDIO settings correctly.
- Ensure you have ENTERed the correct AV input for your TV.
- Ensure the audio is not set to mute.

SOUND BUT NO PICTURE

- Ensure the video jacks are securely connected.
- Ensure you have ENTERed the correct AV input for your TV.
- Ensure the video connector is not damaged.
- Ensure you have set the player's VIDEO settings correctly.

POOR PICTURE OR SOUND

- Ensure you have set the player's AUDIO settings correctly.
- Ensure the disc is not scratched or stained.
- Ensure the AV connector or the output terminal is not damaged.

"BAD DISC" DISPLAYED

- Ensure the disc is not warped, damaged or deformed.
 - Ensure the disc is not badly stained or damaged.
 - Ensure the disc format is compatible with the player.
 - Please check whether you have tried to play a software CD.
- If so, please restart the player.

REMOTE NOT WORKING

- Ensure the remote batteries are working.
- Point the remote control directly at the player's IR sensor.
- Remove any obstacles between the remote and the IR sensor.

UNIT NOT WORKING

- Turn off the power, and then turn it on again.

"NO DISC" DISPLAYED

- Ensure you have put the disc on the tray.
- Ensure the disc is not upside down.
- Ensure the disc is not distorted, stained or scratched.

- Please use the original box and packing materials for safe transportation of this product.








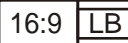

- It is normal for the cover and rear panel to become warm after the player has been operating for an extended period of time.

- Do not move this product during playback. Doing so may cause damage to the pickup and the disc.

Press **OPEN/CLOSE** on the front panel or remote to open or close the disc tray. Do not push or touch the tray while it is opening or closing.

- Full compatibility with DVD, CD, Kodak Picture CD, CD-R and CD-RW (finalized)
- Multiple playback modes: Program, Search, 10-Second Review
- Dynamic spectrum display
- Coaxial and optical digital audio output
- S-video, composite video and component (Y, Pb, Pr) video outputs

Disc formats supported by this player:

	Dolby Digital		Closed Caption
	KODAK picture CDs		Subtitle choices
	DVD video		Audio choices
	Parental Lock		TV Aspect Ratio modes
	Multi-angle		

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

The product complies with the KODAK Picture CD format and will display KODAK Picture CDs. The "KODAK Picture CD Compatible" logo is a trademark of Eastman Kodak Company and is used with permission.

Manufactured under license from Dolby Laboratories. "Dolby" and the double-D symbol are trademarks of Dolby Laboratories. Confidential Unpublished Works. ©1992-1997 Dolby Laboratories, Inc. All rights reserved.

The introduction of KODAK Picture CD

A Kodak Picture CD has the size and shape of a regular CD. You can order a KODAK Picture CD simply by checking the box on the photo finishing envelope when you drop off a roll of film (35 mm or Advanced Photo System (APS) color print film) at the time of processing in Kodak Express store displaying "Kodak Picture CD" sign. When your order is returned, you receive your prints, negatives, and your full roll of pictures safely stored on your KODAK Picture CD. Each KODAK Picture CD brings you the tools to enhance, share and manage your pictures on your computer. You also can record the JPEG picture into CD-R or CD-RW with the CD-Rewriter yourself.

- Note:**
1. The Max. Size of JPEG Picture can be supported: 3840X3840 pels
 2. JPEG stands for Joint Picture Experts Group. It is the first International Standard on Still Picture Compressing: ISO 10918-1, constituted by the Committee on Still Picture Compressing Standard of ISO. The pictures on KODAK Picture CD are stored in this format (JPEG). This player can decode the JPEG pictures in KODAK Picture CD and playback the pictures in different modes.

Now, you can playback Kodak Picture CDs on this player and view your wonderful pictures on your TV in the comfort of your living room.




When a Kodak Picture CD is inserted on a player an automatic slide show is launched. Each picture in the Kodak Picture CD will be displayed consecutively in a slide-show fashion and will be scaled to fit in the whole TV screen.

General function:

- You can set slideshow transition modes for any pictures.
- Press **PAUSE** to stop playing.
- Press **◀** or **▶** to see the previous or next picture.
- Press **PLAY** to continue slideshow transitions.
- Press **STOP** to return to root menu.

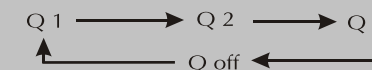
Image Rotation

There are three modes to rotate a picture: original, 90 Deg, and 180 Deg. These operations are allowed only when a picture is being displayed normally and will be cancelled automatically when a new picture is displayed. The **ANGLE** keys are used to select the different rotation modes:

- Press **ANGLE** OSD display  original.
- Press **ANGLE** again OSD display  90 Deg.
- Press **ANGLE** again OSD display  180 Deg.

Zoom Function:

This player provides both Zoom in/out and Zoom pan function. Press the **ZOOM** consecutively, the picture will zoom in/out in turn as follows:



- Note:** During the ZOOM function, slideshow transitions and image rotation are disabled.
Q off: close zoom, press **PLAY** again to resume slideshow transition mode.

ANGLE



During DVD playback

- Press **ANGLE** to view scenes from different camera angles.
- Press **ANGLE** repeatedly to change from one camera angle to another.

Note: This function is disc specific.

LANGUAGE



During DVD playback

- Press **LANGUAGE** repeatedly to select from up to 8 audio languages/formats.

Note: This function is disc specific.

SUBTITLE

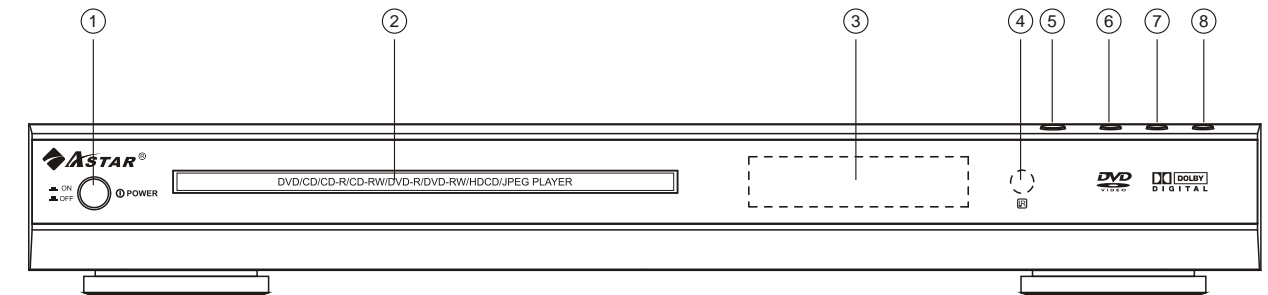


During DVD playback

- Press **SUBTITLE** repeatedly to select from up to 32 subtitle languages.

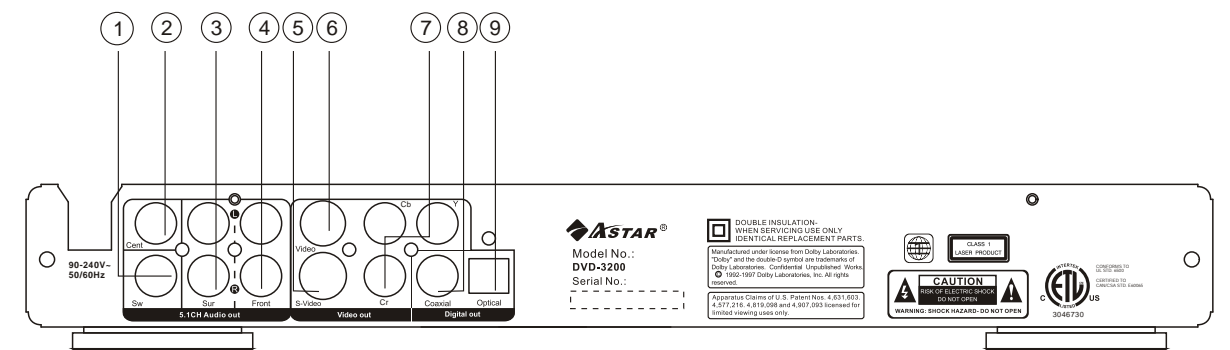
Note: This function is disc specific (languages will vary).

Front panel

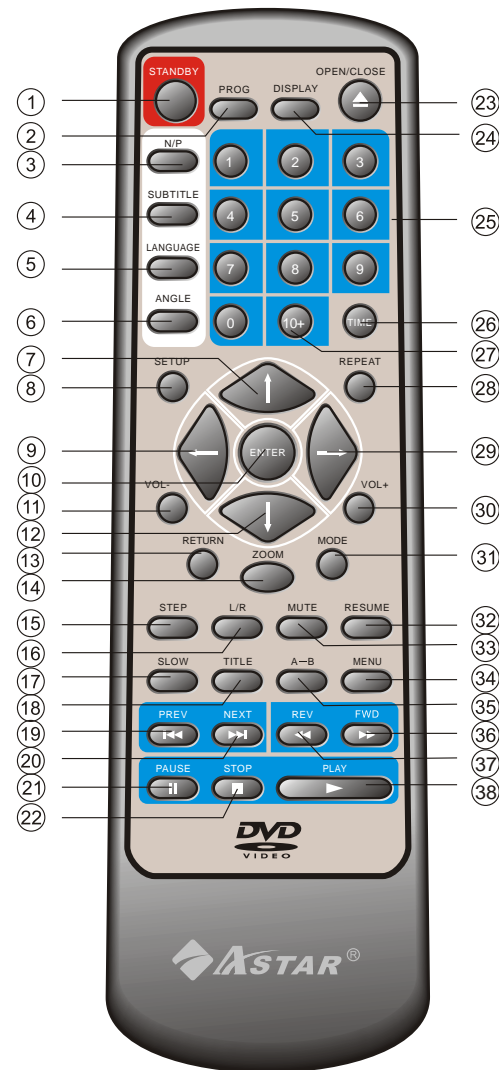


- | | |
|--------------|--------------|
| ① POWER | ⑤ OPEN/CLOSE |
| ② CABIN DOOR | ⑥ PLAY |
| ③ VFD SCREEN | ⑦ PAUSE |
| ④ SENSOR | ⑧ STOP |

Rear panel



- | | |
|---------------------------|--------------------------------------|
| ① 5.1 CH SW output jack | ⑥ Video output jack |
| ② 5.1 CH CEN output jack | ⑦ Component output jack |
| ③ 5.1CH SUR output jack | ⑧ Digital signal coaxial output jack |
| ④ 5.1CH FRONT output jack | ⑨ Digital signal optical output jack |
| ⑤ S-Video output jack | |



- | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------|-------------------|------------|------------|---------|------|---------|--------|---------|--------|--------|----------|--------|--------|-------|--------|--------|--------|---------|--------|--------|--------------|-----------|--------|-----------|----------|---------|--------|--------|--------|--------------|-------|-------|--------|
| ① STANDBY | ②③ 0-9 NUMBER KEY | ④ SUBTITLE | ⑤ LANGUAGE | ⑥ ANGLE | ⑦ UP | ⑧ SETUP | ⑨ LEFT | ⑩ ENTER | ⑪ VOL- | ⑫ DOWN | ⑬ RETURN | ⑭ ZOOM | ⑮ STEP | ⑯ L/R | ⑰ SLOW | ⑱ PREV | ⑳ NEXT | ㉑ PAUSE | ㉒ STOP | ㉓ PLAY | ㉔ OPEN/CLOSE | ㉕ DISPLAY | ㉖ TIME | ㉗ 10+ KEY | ㉘ REPEAT | ㉙ RIGHT | ㉚ VOL+ | ㉛ MODE | ㉜ MENU | ㉝ A-B REPEAT | ㉞ FWD | ㉟ REV | ㊱ PLAY |
|-----------|-------------------|------------|------------|---------|------|---------|--------|---------|--------|--------|----------|--------|--------|-------|--------|--------|--------|---------|--------|--------|--------------|-----------|--------|-----------|----------|---------|--------|--------|--------|--------------|-------|-------|--------|

VOL+ VOL-

- Press Volume <VOL+> button to increase Volume
- Press <VOL-> button to reduce volume till to no volume output.

MUTE

- Press MUTE to mute the Audio output
- Press MUTE again to resume normal audio output

ZOOM

- During DVD playback, press **ZOOM** to magnify the image as follows:

```

    graph LR
      Q1 --> Q2
      Q2 --> Q3
      Q3 --> QOff[Q Off]
      QOff --> Q1
    
```

Note:

1. Please note that reference numbers for the remote are described beginning on page 18 of this manual.
2. In this manual, "←" "→" "↑" "↓" will be used to represent different NAVIGATION ARROWS on the remote respectively.

SLOW



- Press slow repeatedly to slow motion playback at variable speeds.

STEP

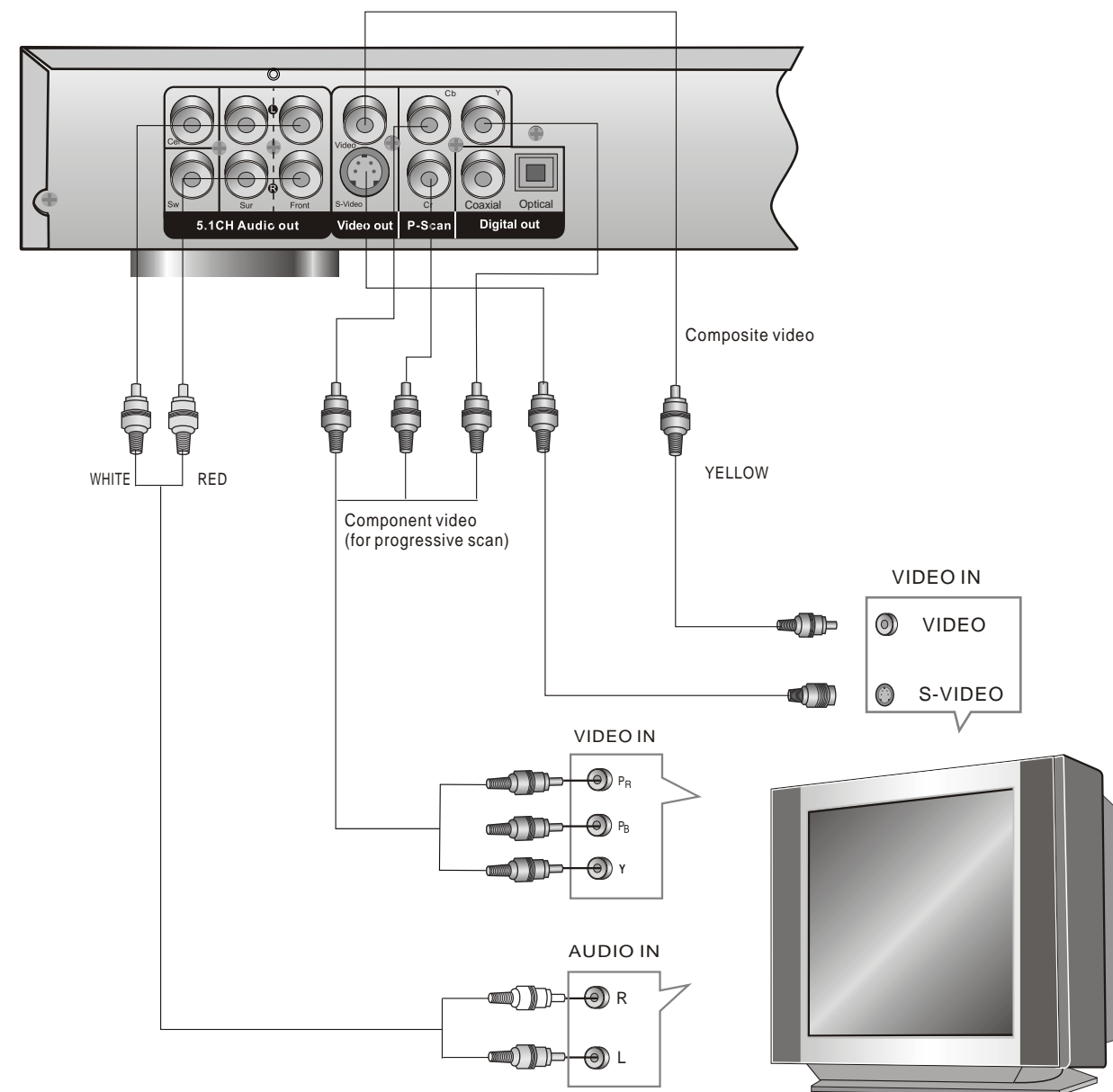


- Press STEP during playback to pause playback.
- Press STEP repeatedly to play frame.
- Press play to resume normal playback.

REPEAT



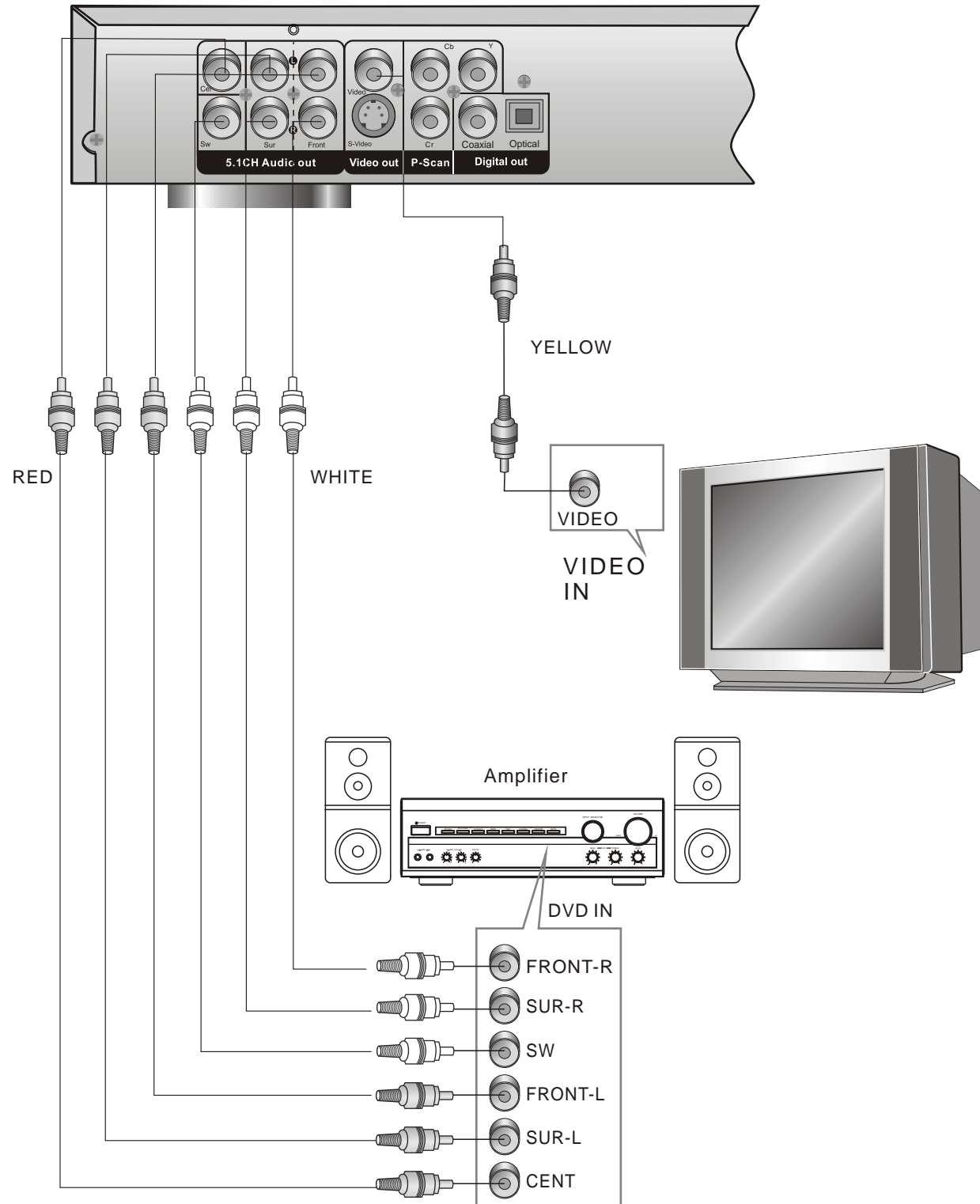
- Select to press REPEAT to select Repeat Title, Repeat chapter, Repeat off During DVD playback.
- Press REPEAT to select Repeat Single, Repeat All and Repeat off (CD or Others).



Notes:

There are three ways of connecting the player's AV output to the TV set:

1. S-video cable and left/right audio cable [set the (Video Type) to (S-Video)].
2. Composite video cable and left/right audio cable.
3. Component video cable and left/right audio cable [set the (Video Type) to (Y, Pb, Pr)].

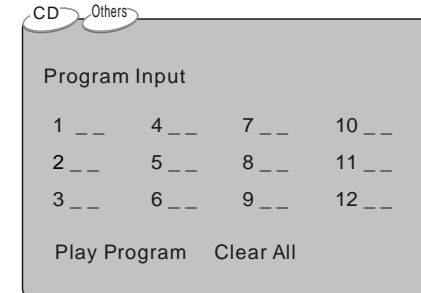


Notes:

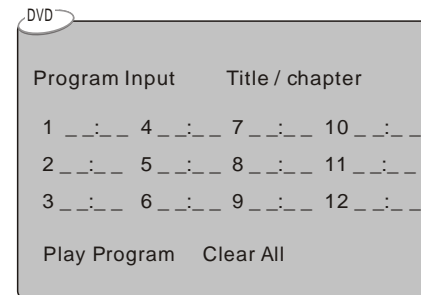
1. Set the TV to the AV input connected to the DVD player.
2. Set the Amplifier to the AV input connected to the DVD player.



While [PROGRAM] is on, press ENTER to display the [Program] submenu:



Input the track numbers in the order you would like them to play. When finished, select [Play Program] and then press ENTER to play the tracks in the new programmed order. Select [Clear All] and press ENTER to clear all the numbers you have input.



Input the title number and the chapter number in the desired order. Then select [Play Program] and press ENTER to play the chapters in the order you have set. Select [Clear All] and press ENTER to clear all the numbers you have input.


MODE



- During playback is stopped
- Press **MODE** button twice to switch to progressive scan mode
- Press **MODE** once to switch back to Interlace scan mode

Note: If you connect the DVD player to your TV using the component Video Output, you can use the **MODE** button to switch to progressive scan for superior video quality.


PLAY



- Press **PLAY** from stop mode to start playback.
- Press **PLAY** during playback to replay the last 10 seconds. This function is not available if the elapsed time of current track is less than 10 seconds.


Note: MP3 discs and some DVD discs do not have a 10 second review feature.

PAUSE



- Press **PAUSE** during playback to pause playback.
- Press **PLAY** to resume normal playback.


MENU



- During DVD, playback , press **MENU** to return to the program menu.
- In the Setup Menu, press **MENU** to return to the main menu or stop mode.
- Any time, press **MENU** to cancel the current OSD or some menus

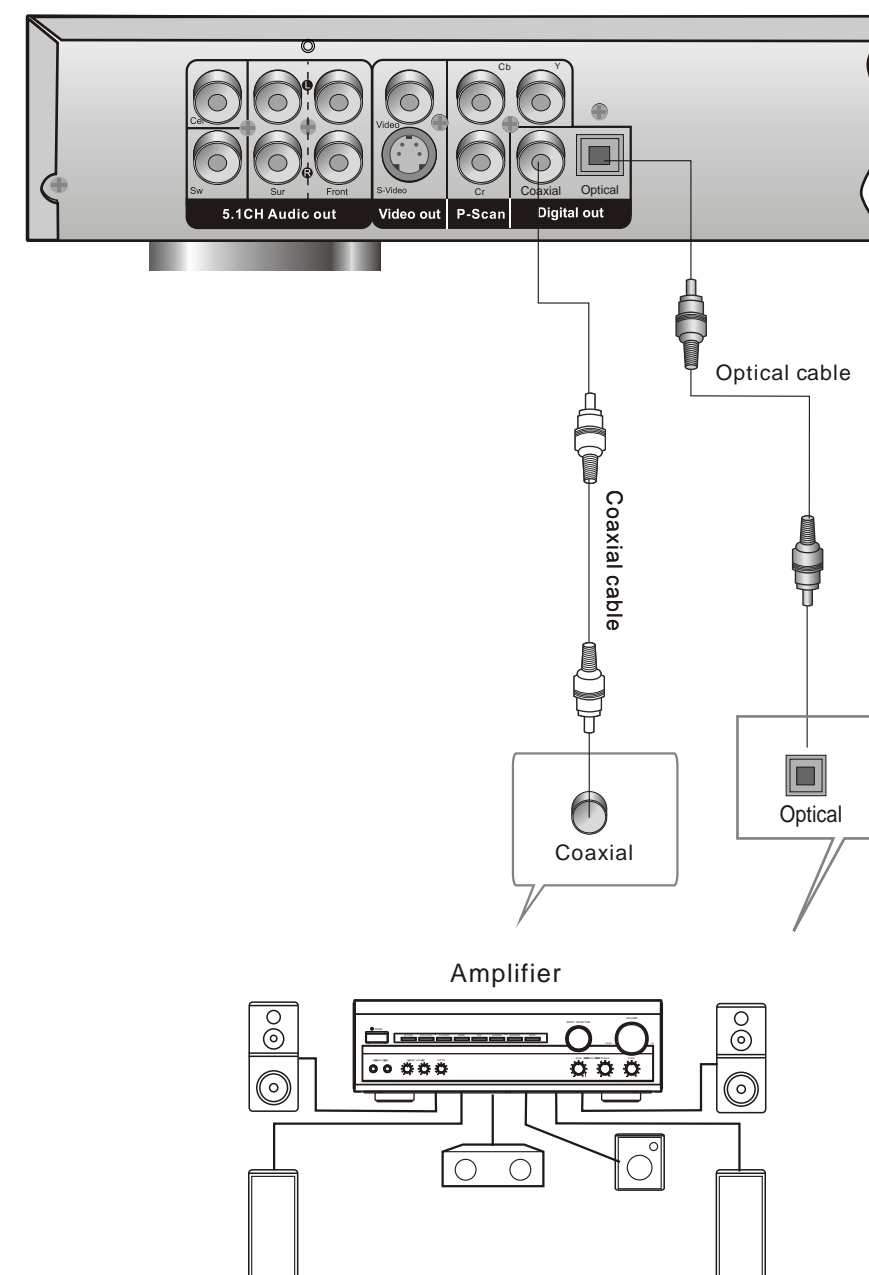
Note: This function is subject to the disc.

TITLE



- During DVD playback, press **TITLE** to display the DVD title menu or play the first title.

Note: This function is subject to the disc.

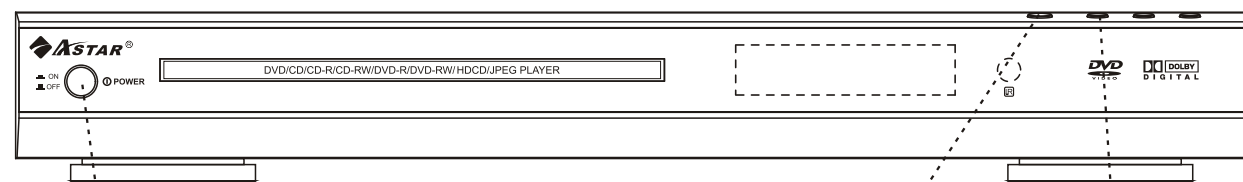


Notes:

1. Select the Coaxial digital audio output.
2. Set the player's audio out to **Raw** or **PCM** mode .
3. Set the Amplifier to the AV input connected to the DVD player.

Preparation before playing:

1. Connect the DVD player to your TV and amplifier.
2. Turn on the TV.
3. Set the TV to the AV input connected to the DVD player.
4. Turn down the volume on your amplifier, and then power it on.
5. Set the amplifier to the AV input connected to the DVD player.



STEP 1 - Press POWER to start the player. The DVD logo appears on the TV screen.

STEP 2 - Press OPEN/CLOSE either on the front panel or remote control. When the tray is opened, place the disc on the tray with the label side up. Press OPEN/CLOSE again to close the disc tray.

STEP 3 - Press the PLAY button on the front panel or remote control. The player will automatically read and identify the disc, and begin playback.

▶▶

- During DVD or CD playback, press and hold ▶▶ to scan forward. The player will review the disc at 2, 4, 8 and 20 times normal speed as follows:
- Press **PLAY** to resume normal playback.

◀◀

- During DVD or CD playback, press and hold ◀◀ to scan in reverse. The player will review the disc at 2, 4, 8 and 20 times normal speed as follows:
- Press **PLAY** to resume normal playback.

PREV

◀◀

- Press **PREV** to skip to previous chapter or track.

NEXT

▶▶

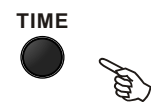
- Press **NEXT** to skip to the next chapter or track.

STOP

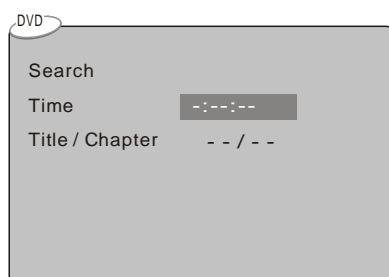
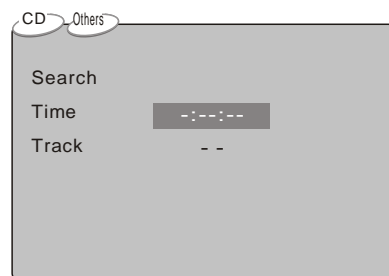
■

- Press **STOP** to stop and hold playback.
- Press **RESUME** to resume playback from the point you pressed STOP.

Note: The screen saver will automatically turn on if playback is stopped about 5 minutes (when Screen Saver is set to on).



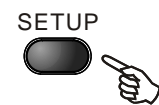
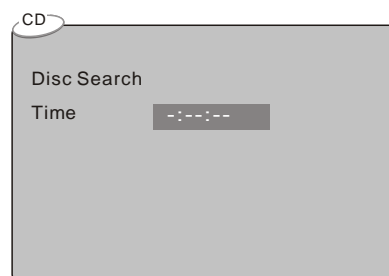
During playback, press **TIME**, and the [Track Search] menu will display as follows:



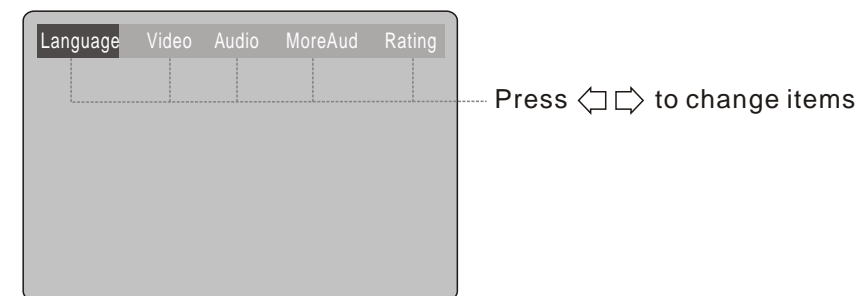
- Notes:**
- ① Time searches for an exact time in the movie.
 - ② In Title/Chapter mode, you cannot SELECT a value outside the range of the total number of titles or chapters.
 - ③ For some DVD discs, the Search function is unavailable.

Use the number keys to input the desired Time, Title or Chapter, then press **ENTER** to confirm.

Press **TIME** again, the [Disc Search] menu will display as follows:



In stop mode, press **SETUP**, and the TV screen will display the Setup Menu as follows:

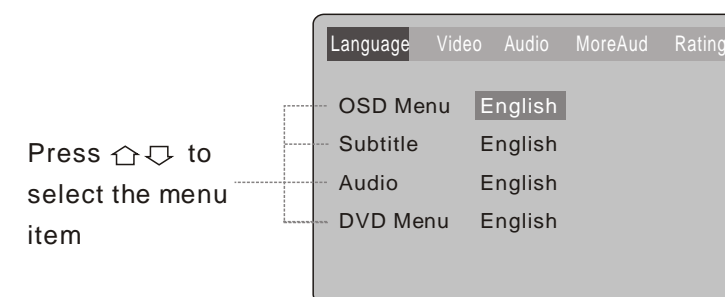


Setup Menu

- A. Press **ENTER** to display each submenu
- B. Press **SETUP** to exit the Setup Menu

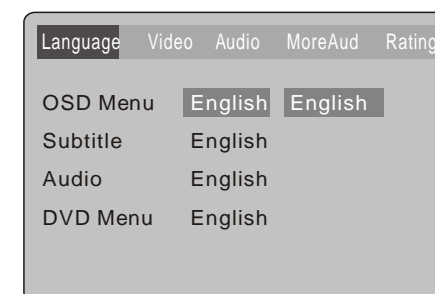
Language Setup

Select [Language] in the Setup Menu, and press **ENTER** to display the [Language] submenu:



- A. Press **ENTER** or <=> to set
- B. Press <=> to go back one menu
- C. Press <=> OR <=> repeatedly to return to the Setup Menu

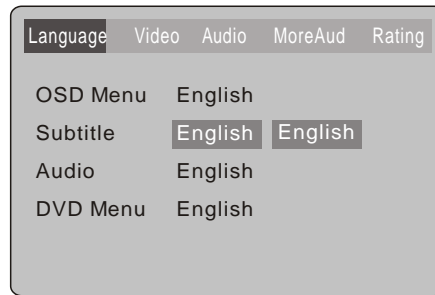
Select [OSD Menu], and press **ENTER** or <=> to display the [OSD Menu] submenu:



- A. Press **ENTER** to confirm.
- B. Press **SETUP** to exit the Setup Menu.

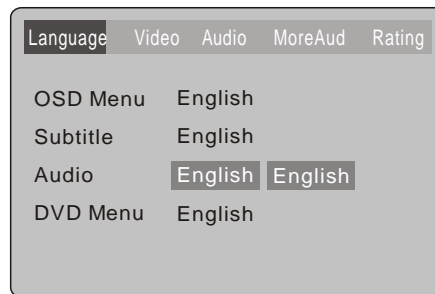
Language Setup

Select [Subtitle], and press ENTER or \rightarrow to display the [Subtitle] submenu:



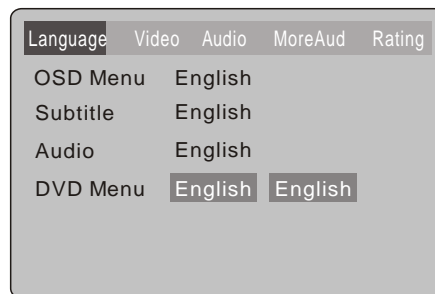
- A. Press **ENTER** to confirm
- B. Press **SETUP** to exit the Setup Menu

Select [Audio], and press ENTER or \rightarrow to display the [Audio] submenu:

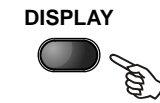


- A. Press **ENTER** to confirm
- B. Press **SETUP** to exit the Setup Menu

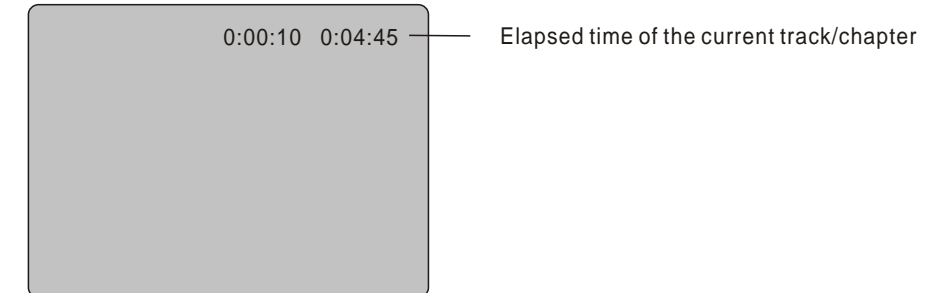
Select [DVD Menu], and press ENTER or \rightarrow to display the [DVD Menu] submenu:



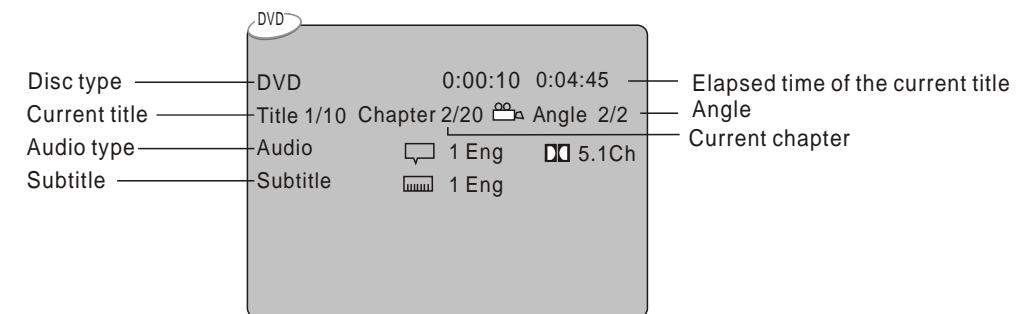
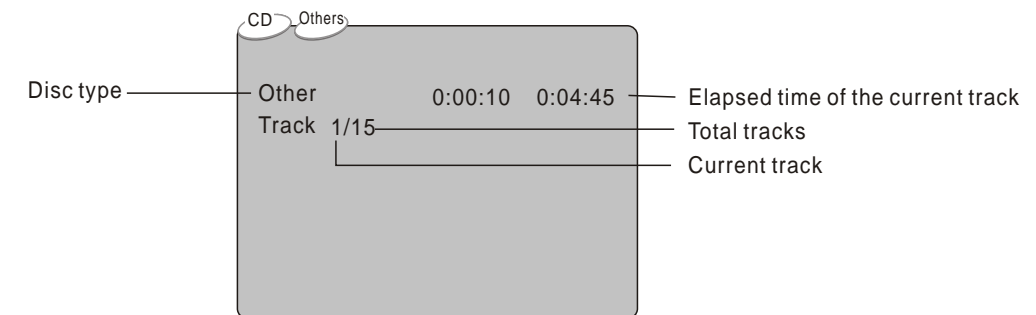
- A. Press **ENTER** to confirm
- B. Press **SETUP** to exit the Setup Menu



During playback, press DISPLAY to display the current time counter position.



Press DISPLAY again to display additional information about the playing disc.



STANDBY



- During playback, press **STANDBY** to stop the player and return to standby mode.
- While the player is in standby, press **STANDBY** or any key on the front panel to resume normal operation.

OPEN/CLOSE



- To open the disc tray, press **OPEN/CLOSE**.
- To close the disc tray, press **OPEN/CLOSE** again.

0-10+ keys



- These keys are used to input the time, as well as title, chapter and track numbers.
- When a numeric item is displayed on the screen, press the 0-10+ keys to select the desired entry, and press **ENTER** to confirm.

A-B



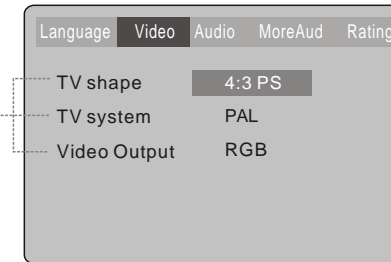
- During playback, press **A-B** to select point A.
- Press it again to select point B. The player will repeat the section from A to B automatically.
- Press **A-B** third time to cancel A-B repeat and clear points A and B.

Note: 1. During CD playback, points A and B must be within the same track.
During DVD playback, points A and B can be selected from different chapters.
2. This function is subject to the disc.

Video Setup

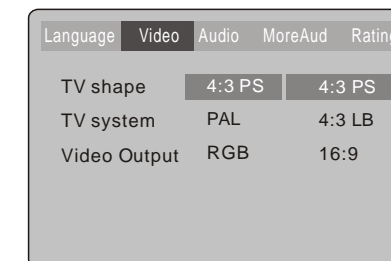
Select [Video] in the Setup Menu, and press ENTER to display the [Video] submenu:

Press to select the menu item



- A. Press ENTER or to set
- B. Press to return to the Setup Menu

Select [TV shape], and press **ENTER** or to display the [TV shape] submenu:



Press to change your selection

- A. Press **ENTER** to confirm
- B. Press **SETUP** to exit the Setup Menu

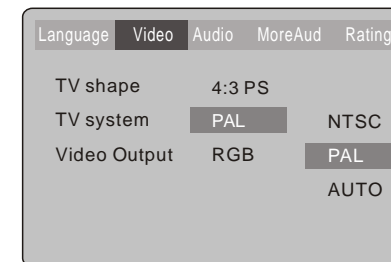
[4:3 PS] -Pan and scan refers to pictures where part of pictures is cut off so it fills the whole screen.

[4:3LB] -Letter Box refers to pictures where black bands appear at the top and bottom.

[16:9] -The picture fills the screen of a wide-screen (16:9) television.

Note: Not all DVDs offer movies in Full Screen format. If not, the disc will override your TV Display setting and the movie will be displayed in Letterbox format.

Select [TV system] and press ENTER or to display the [TV system] submenu:



Press to change your selection

- A. Press ENTER to confirm
- B. Press **SETUP** to exit the Setup Menu.

[NTSC] -Select if you are using NTSC signal system to match your TV set.

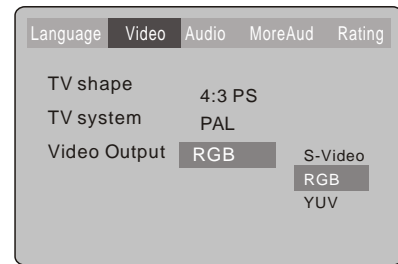
[PAL] -Select if you are using PAL signal system to match your TV set.

[AUTO]- Select if you are using AUTO signal system to match your TV set.

Select [Video Output], and press ENTER or \rightarrow to display the [Video Out] submenu:

- Press **ENTER** to confirm
- Press **SETUP** to exit the Setup Menu

Note: The Composite video and S-video output is always available.
 [S-Video] -Select if you connected the DVD player to your TV using the composite Video output.
 [YUV] -Select if you connected the DVD player to your TV using the YUV output.



Press \leftarrow \rightarrow to change your selection

Audio Setup

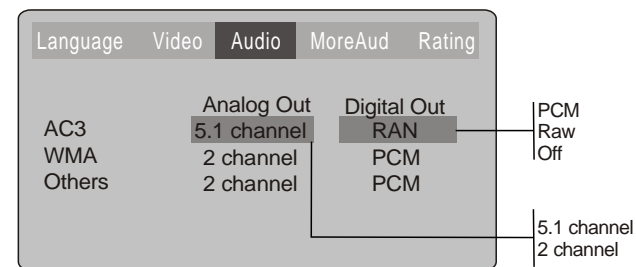
The Audio menu allows you to set the analog and digital audio outputs to correspond with the external components you have connected to the player. For example, if you connected the player to a TV using the Stereo Audio jacks, you should set Dolby Digital and others settings to 2 channel to enjoy downmixed stereo audio.

- You can set the audio format for each of the following sources: **Dolby Digital, MP3, CD and Others.**
- DVD playback must be stopped in order to adjust the Audio setup.**

AC-3 Setting

Follow these steps to set the analog and digital audio formats of outgoing Dolby Digital 5.1 soundtracks:

- From Stop mode, press **SETUP**.
- Select **Audio** and press **ENTER**.
- Select **AC3** and press **ENTER**.
- Set Analog Out to:
 - 6 Channel** (default) To output Dolby Digital 5.1 channel audio from the 5.1 channel analog audio outputs; e.g., to a 5.1 channel amplifier.
 - 2 Channel** To output downmixed 2 channel stereo from the stereo audio outputs; e.g., to a VCR or TV.
- Set Digital Out to:
 - PCM** (default) To output 2 channel digital from the optical/coaxial digital audio outputs; e.g., to a Minidisc recorder.
 - RAW** To output the raw 5.1 channel digital bitstream from the optical/coaxial digital audio outputs; e.g., to an external amplifier with a Dolby Digital decoder.
 - Off** To disable Dolby Digital decoder.
- Press **SETUP** to save and exit.

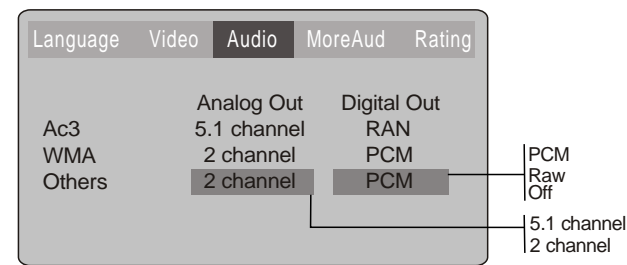


- PCM stands for Pulse Code Modulation, and is the standard 2-channel stereo format used for audio CDs.**

Others Setting

Follow these steps to set the outgoing analog and digital audio format of others tracks:

- From Stop mode, press **SETUP**.
- Select **Audio** and press **ENTER**.
- Select **Others** and press **ENTER**.
- Set Analog Out to:
 - 2 Channel** (default) To output 2 channel stereo audio from the stereo audio output; e.g., to a VCR or TV.
- Set Digital Out (from Optical Out) to:
 - PCM** (default) To output 2 channel digital audio from the optical/coaxial digital audio outputs; e.g., to a Minidisc recorder.
 - Raw** To output the raw 2 channel digital bitstream from the optical/coaxial digital audio outputs; e.g., to an external amplifier.
 - Off** To disable CD others audio output.
- Press **SETUP** to save and exit.



More Audio Setup

The More Audio menu includes Pro Logic and Subwoofer settings.

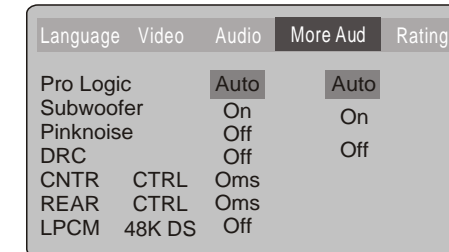
Pro Logic Setting

The DVD player has a built-in Dolby Pro Logic decoder to provide virtual surround sound for PCM (stereo) source material from the 5.1 channel analog audio outputs.

- From Stop mode, press **SETUP**.
- Select **More Audio** and press **ENTER**.
- Select **Pro Logic** and press **ENTER**.
- Select the desired Pro Logic setting and press **ENTER**:

Auto Stereo audio soundtracks will be output in Dolby Pro Logic mode.
On All audio soundtracks will be output in Dolby Pro Logic mode.
Off (default) Dolby Pro Logic decoding will always be inactive.

- Press **SETUP** to save and exit.



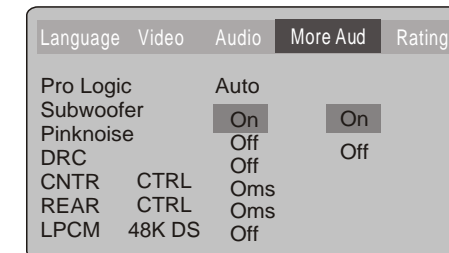
Subwoofer Setting

You must indicate in the menu system whether or not your audio setup includes a Subwoofer (the 1 in 5.1 surround sound).

- From Stop mode, press **SETUP**.
- Select **More Audio** and press **ENTER**.
- Select **Subwoofer** and press **ENTER**.
- Select the desired Subwoofer setting and press **ENTER**.

On (default) Indicates that you are using a Subwoofer for LFE (low frequency effects) signals.

- Press **SETUP** to save and exit.



Rating Setup

The Rating menu allows you to block playback of DVDs based on their ratings.

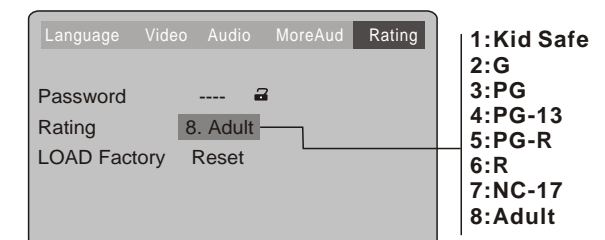
Setting the Password & Rating Level

The DVD player allows you to block playback of inappropriate content with a password-protected Rating system (not all discs are rated).

- From Stop mode, press **SETUP**.
- Select **Rating** and press **ENTER**.
- Select **Rating** and press **ENTER** repeatedly to set the rating from 1 (most restrictive) to 8 (least restrictive).

If a password has already been set, the lock icon will be closed. You will not be able to select Rating until you SELECT the correct password using the 0-9 keys.

- Select **Password**.
- Use the 0-9 keys to SELECT a 4-digit password and press **ENTER**. The lock icon will close to indicate that the rating and password are set.
- Press **SETUP** to save and exit.



- 1: Kid Safe
- 2: G
- 3: PG
- 4: PG-13
- 5: PG-R
- 6: R
- 7: NC-17
- 8: Adult

Not all DVDs are rated.

DVDs that are rated higher than the level you select will not play without SELECTING the correct password.

If you forget your Rating password, select 8888 to clear the memory. Keep this password out of reach of children as it will always unlock the Parental Control setting.

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