

## MRD130

### DVD VIDEO HOME THEATER SYSTEM



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Gracias por escoger  
Magnavox

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Lea primero la Guía de uso rápido o el  
Manual del usuario, en donde encontrar  
consejos que le ayudarán a disfrutar  
plenamente de su producto Magnavox.

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y tenga a mano el producto.



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# MAGNAVOX

**Congratulations on your purchase,  
and welcome to the "family!"**

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Thank you for your confidence in MAGNAVOX. You've selected one of the best-built, best-backed products available today. We'll do everything in our power to keep you happy with your purchase for many years to come.

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Most importantly, you can count on our uncompromising commitment to your total satisfaction.

All of this is our way of saying welcome - and thanks for investing in a MAGNAVOX product.

**P.S. To get the most from your MAGNAVOX purchase, be sure to complete and return your Product Registration Card at once.**

Know these  
**safety symbols**



This "bolt of lightning" indicates uninsulated material within your unit may cause an electrical shock. For the safety of everyone in your household, please do not remove product covering.

The "exclamation point" calls attention to features for which you should read the enclosed literature closely to prevent operating and maintenance problems.

**WARNING:** To reduce the risk of fire or electric shock, this apparatus should not be exposed to rain or moisture, and objects filled with liquids, such as vases, should not be placed on this apparatus.

**CAUTION:** To prevent electric shock, match wide blade of plug to wide slot, fully insert.

**ATTENTION:** Pour éviter les choc électriques, introduire la lame la plus large de la fiche dans la borne correspondante de la prise et pousser jusqu'au fond.

### For Customer Use

Enter below the Serial No. which is located on the rear of the cabinet. Retain this information for future reference.

Model No. \_\_\_\_\_

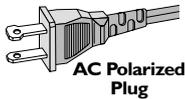
Serial No. \_\_\_\_\_

**MAGNAVOX**

Visit our World Wide Web Site at <http://www.magnavox.com>

# IMPORTANT SAFETY INSTRUCTIONS

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.



12.  Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
15. Battery usage **CAUTION** – To prevent battery leakage which may result in bodily injury, property damage, or damage to the unit:
  - Install all batteries correctly, + and - as marked on the unit.
  - Do not mix batteries (old and new or carbon and alkaline, etc.).
  - Remove batteries when the unit is not used for a long time.
16. Apparatus shall not be exposed to dripping or splashing.
17. Do not place any sources of danger on the apparatus (e.g. liquid filled objects, lighted candles).
18. This product may contain lead and mercury. Disposal of these materials may be regulated due to environmental considerations. **For disposal or recycling information, please contact your local authorities or the Electronic Industries Alliance : [www.eiae.org](http://www.eiae.org).**

EL 6475-E005: 04/01

## Canada

### English:

This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus as set out in the Radio Interference Regulations of the Canadian Department of Communications.

### Français:

Cet appareil numérique n'émet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de Class B prescrites dans le Règlement sur le Brouillage Radioélectrique édicté par le Ministère des Communications du Canada.

**This warning label is located on the rear side and inside this laser product.**

**CAUTION:** INVISIBLE LASER RADIATION WHEN OPEN, DO NOT STARE INTO BEAM.

**DANGER:** INVISIBLE LASER RADIATION WHEN OPEN, AVOID DIRECT EXPOSURE TO BEAM.

**VARO!** AVATTAESSA JA SUOJALUKITUS OHITETTAESSA OLE ALTIIINÄNÄKYMÄTTÖMÄALLE LASERSATEILYLLE. ÄL KATSO SATEESEEN.

**WARNING!** OSYNLIG LASERSTRÅLNING NÄR DENNA DEL ÄR ÖPPNAD OCH SPÄRREN ÄR URKÖPLAD. BETRÄKTA EJ STRÅLEN.

or

**DANGER** - Invisible laser radiation when open  
AVOID DIRECT EXPOSURE TO BEAM.

'CONSUMERS SHOULD NOTE THAT NOT ALL HIGH DEFINITION TELEVISION SETS ARE FULLY COMPATIBLE WITH THIS PRODUCT AND MAY CAUSE ARTIFACTS TO BE DISPLAYED IN THE PICTURE. IN CASE OF 525 OR 625 PROGRESSIVE SCAN PICTURE PROBLEMS, IT IS RECOMMENDED THAT THE USER SWITCH THE CONNECTION TO THE 'STANDARD DEFINITION' OUTPUT. IF THERE ARE QUESTIONS REGARDING OUR TV SET COMPATIBILITY WITH THIS MODEL 525p AND 625p DVD PLAYER, PLEASE CONTACT OUR CUSTOMER SERVICE CENTER.'

## Class II equipment symbol



This symbol indicates that the unit has a double insulation system

## CAUTION

*Use of controls or adjustments or performance of procedures other than herein may result in hazardous radiation exposure or other unsafe operation.*

## ATTENTION

*L'utilisation des commandes ou réglages ou le non-respect des procédures ci-incluses peuvent se traduire par une exposition dangereuse à l'irradiation.*

## ATENCIÓN

*El uso de mando o ajustes o la ejecución de métodos que no sean los aquí descritos puede ocasionar peligro de exposición a radiación.*

## IMPORTANT NOTE

*Due to the numerous versions of new CD-Audio copy protection or enhanced CD-Audio protection recently available on certain discs, Philips is unable to guarantee that this DVD system is fully compatible with such new discs. Should you have difficulty playing such CD-Audio discs, kindly refer them to your CD-Audio disc retailer.*

*This system complies with the FCC rules, Part 15 and with 21 CFR 1040.10. Operation is subject to the following two conditions:*

- This device may not cause harmful interference, and*
- This device must accept any interference received, including interference that may cause undesired operation.*

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Français

Español

***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.***

***Manufactured under license from Dolby Laboratories. "Dolby", "Pro Logic" and the double-D symbol are trademarks of Dolby Laboratories.***

***"DTS" and "DTS Digital Surround" are registered trademarks of Digital Theater Systems, Inc.***

### **Environmental information**

All unnecessary packaging has been omitted. We have tried to make the packaging easy to separate into three materials: cardboard (box), polystyrene foam (buffer) and polyethylene (bags, protective foam sheet).

Your system consists of materials which can be recycled and reused if disassembled by a specialized company. Please observe the local regulations regarding the disposal of packaging materials, exhausted batteries and old equipment.

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# General Information

English

## Supplied accessories

Composite video cable (yellow)



Audio cable (white, red)



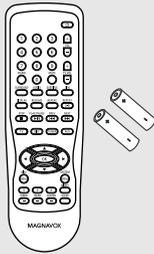
FM wire antenna



AM loop antenna



Remote Control and two AA batteries



## Care and safety information

### Avoid high temperatures, moisture, water and dust

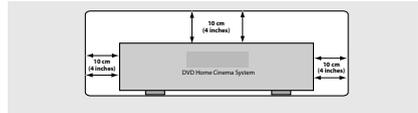
– Do not expose the system, batteries or discs to humidity, rain, sand or excessive heat (caused by heating equipment or direct sunlight.) Always keep the disc tray closed to avoid getting dust on the lens.

### Avoid condensation problem

– The lens may cloud over when the player is suddenly moved from cold to warm surroundings, making it impossible to play a disc. Leave the player in the warm environment until the moisture evaporates.

### Do not block the vents

– Do not operate the DVD system in an enclosed cabinet and allow about 10 cm (4 inches) of free space all around the player for adequate ventilation.



### Care of disc

– To clean a CD, wipe it in a straight line from the center toward the edge using a soft, lint-free cloth. Do not use cleaning agents, as they may damage the disc.



– Write only on the printed side of a CD-R/CD-RW and only with a soft felt-tipped pen.

– Handle the disc by its edge, do not touch the surface.

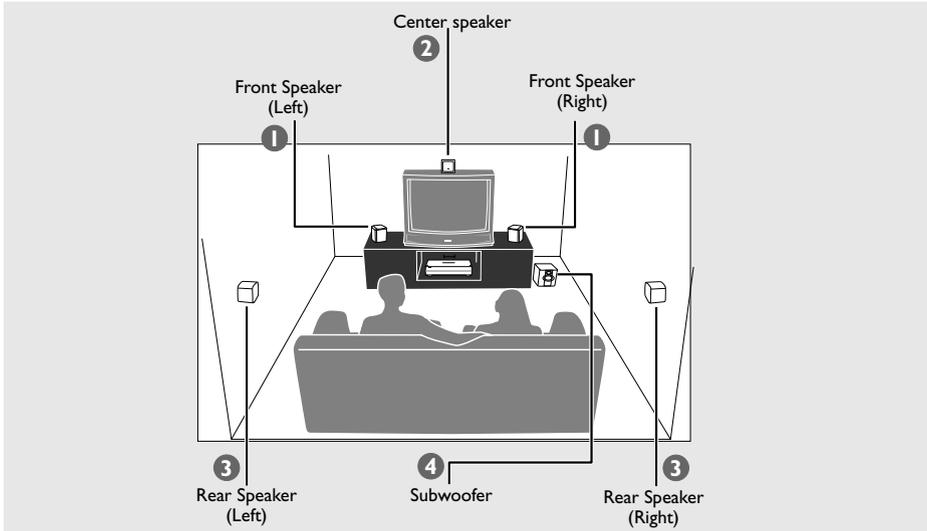
### Care of the cabinet

– Use a soft cloth slightly moistened with a mild detergent solution. Do not use a solution containing alcohol, spirits, ammonia or abrasives.

### Finding a suitable location

– Place the player on a flat, hard, stable surface.

## Step 1: Placing the speakers and subwoofer



For best possible surround sound, all the speakers (except subwoofer) should be placed at the same distance from the listening position.

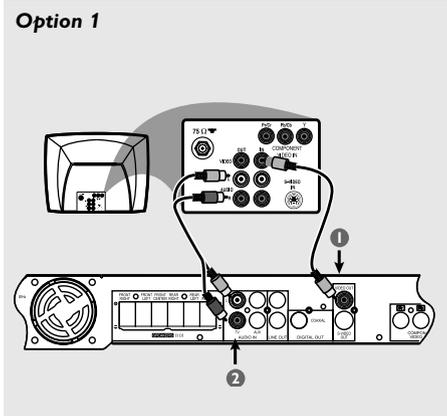
- 1 Place the front left and right speakers at equal distances from the TV and at an angle of approximately 45 degrees from the listening position.
- 2 Place the center speaker above the TV or the DVD system so that the center channel's sound is localized.
- 3 Place the rear speakers at normal listening ear level facing each other or hang on the wall.
- 4 Place the subwoofer on the floor near the TV.

### Helpful Hints:

- To avoid magnetic interference, do not position the front speakers too close to your TV.
- Allow adequate ventilation around the DVD system.

# Connections

## Step 2: Connecting TV

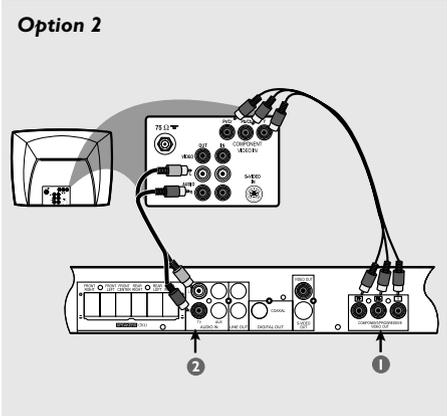


### IMPORTANT!

- You only need to make one video connection from the following options, depending on the capabilities of your TV.
- Connect the DVD system directly to the TV.

### Using Composite Video jack

- 1 Use the supplied composite video cable (yellow) to connect the DVD system's **VIDEO OUT** jack to the video input jack (or labeled as A/V In, CVBS, Composite or Baseband) on the TV.
- 2 To hear the TV channels through this DVD system, use the supplied audio cables (white/red) to connect **AUDIO IN-TV** jacks to the corresponding AUDIO OUT jacks on the TV.



### IMPORTANT!

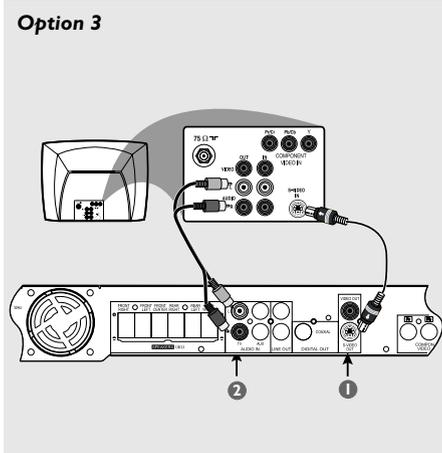
- The progressive scan video quality is only possible when using Y Pb Pr, and a progressive scan TV is required.

### Using Component Video jacks (Y Pb Pr)

- 1 Use a component video cables (red/blue/green - not supplied) to connect the DVD system's **Y Pb Pr** jacks to the corresponding Component video input jacks (or labeled as Y Pb/Cb Pr/Cr or YUV) on the TV.
- 2 To hear the TV channels through this DVD system, use the supplied audio cables (white/red) to connect **AUDIO IN-TV** jacks to the corresponding AUDIO OUT jacks on the TV.
- 3 If you are using a Progressive Scan TV (TV must indicate Progressive Scan or ProScan capability), to activate TV Progressive Scan, please refer to your TV user manual. For DVD system Progressive Scan function, see page 21.

### Helpful Hint:

- If your TV does not support Progressive Scan, you will not be able to view the picture. Press and hold **OPEN/CLOSE** button and press '1' to deactivate progressive scan.

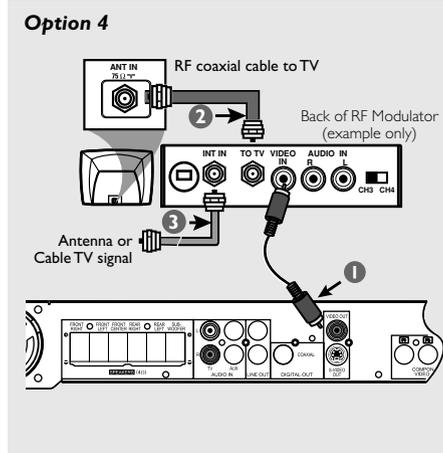


**IMPORTANT!**

If S-Video is used for DVD playback connection, the system's **VIDEO OUT** setting will need to be changed accordingly.

**Using S-Video jack**

- 1 Use an S-video cable (not supplied) to connect the DVD system's **S-VIDEO OUT** jack to the S-Video input jack (or labeled as Y/C or S-VHS) on the TV.
- 2 To hear the TV channels through this DVD system, use the supplied audio cables (white/red) to connect **AUDIO IN-TV** jacks to the corresponding **AUDIO OUT** jacks on the TV.



**IMPORTANT!**

If your TV only has a single Antenna In jack (labeled as 75 ohm or RF In), you will need an RF modulator in order to view DVD playback on the TV. See your electronics retailer or contact Philips for details on RF modulator availability and operations.

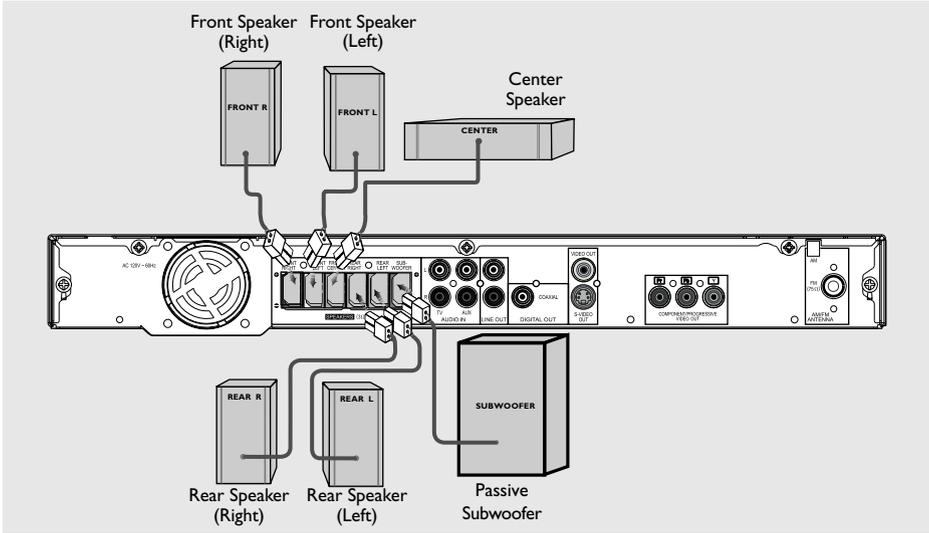
**Using an accessory RF modulator**

- 1 Use the supplied composite video cable (yellow) to connect the DVD system's **VIDEO OUT** jack to the video input jack on the RF modulator.
- 2 Use an RF coaxial cable (not supplied) to connect ANTENNA OUT or TO TV jack on the RF modulator to the ANTENNA IN jack on the TV.
- 3 Connect the Antenna or Cable TV service signal to the ANTENNA IN or RF IN jack on the RF modulator. (It may have been connected to your TV previously. Disconnect it from the TV.)

# Connections

English

## Step 3: Connecting speakers and subwoofer

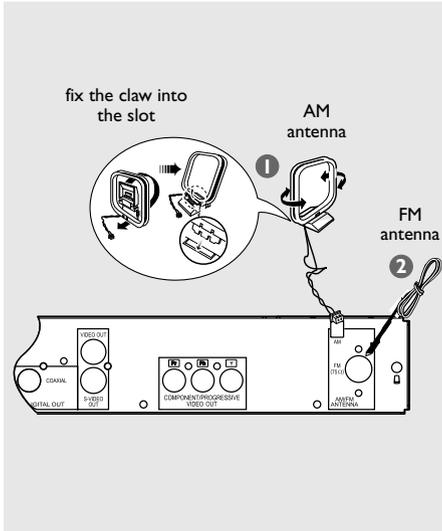


Connect the supplied speaker systems using the fixed speaker cables by matching the colors of the jacks and speaker cables.

*Helpful Hint:*

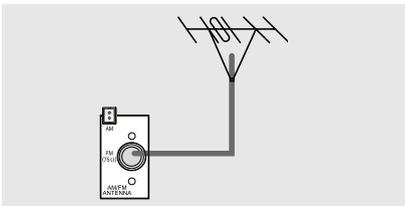
– Ensure that the speaker cables are correctly connected. Improper connections may damage the system due to short-circuit.

## Step 4: Connecting FM/AM antennas



- 1 Connect the supplied AM loop antenna to the **AM** jack. Place the AM loop antenna on a shelf or attach it to a stand or wall.
- 2 Connect the supplied FM antenna to the **FM** (75Ω) jack. Extend the FM antenna and fix its ends to the wall.

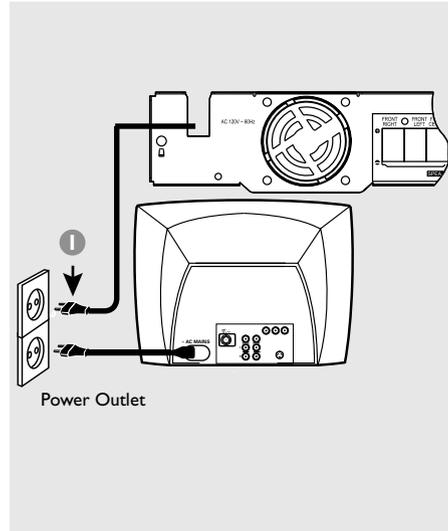
For better FM stereo reception, connect an external FM antenna (not supplied.)



### Helpful Hints:

- Adjust the position of the antennas for optimal reception.
- Position the antennas as far as possible from your TV, VCR or other radiation source to prevent unwanted interference.

## Step 5: Connecting the power cord



### After everything is connected properly,

- 1 Plug the AC power cord into the power outlet.
- 2 Never make or change any connections with the power switched on.

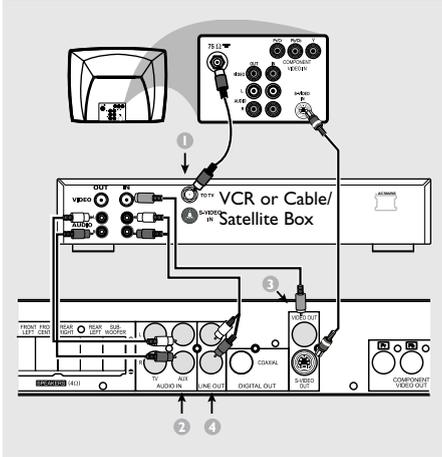
### Helpful Hint:

- Refer to the type plate on the rear or bottom of the system for identification and supply ratings.

# Connections (optional)

English

## Connecting a VCR or Cable/Satellite Box



### Viewing and listening to the playback

- 1 Connect the VCR or Cable/Satellite Box to the TV as shown.
- 2 Connect the DVD system's **AUDIO IN-AUX** jacks to the AUDIO OUT jacks on the VCR or cable/satellite box.

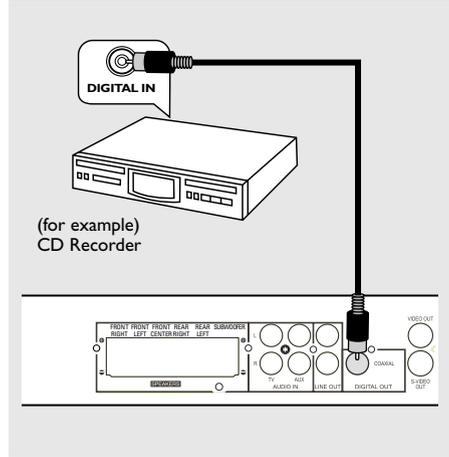
Before starting operation, press **AUX** on the remote to select "AUX" in order to activate the input source.

### Using the VCR for recording DVD playback

- 3 Connect the DVD system's **VIDEO OUT** jack to the VIDEO IN jack on the VCR.
- 4 Connect the DVD system's **LINE OUT** jacks to the AUDIO IN jacks on the VCR. This will allow you to make analog stereo (two channel, right and left) recordings.

**To view DVD playback while recording**, you must connect the DVD system to your TV using S-VIDEO (as shown above) or Component (Y Pb Pr) connection.

## Connecting digital audio equipment



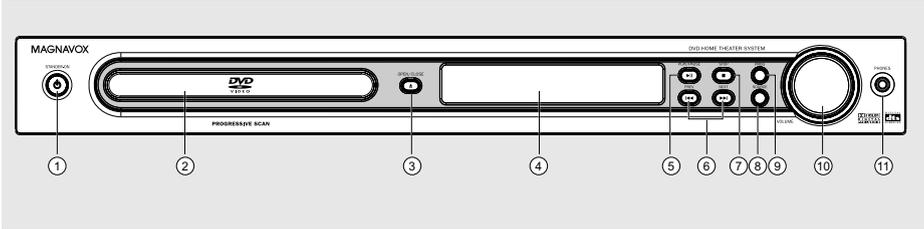
### Digital Recording

- Connect the DVD system's **DIGITAL OUT-COAXIAL** jack to the DIGITAL COAXIAL IN jack on a digital recording device (such as Dolby Digital decoder, CD recorder.)

#### Helpful Hints:

- Some DVDs are copy-protected. You cannot record the disc through a VCR or digital recording device.
- Always refer to the owner's manual of the other equipment for complete connection and usage details.

## Main unit and remote control



① **STANDBY ON**

- Switches to standby mode or turns on the system.

② **Disc tray**

③ **OPEN/CLOSE ▲** (DISC mode only)

- Opens/Closes the disc tray.

④ **System display panel**

⑤ **▶ || PLAY/PAUSE**

- DISC: starts/pauses playback.

⑥ **◀◀ PREVIOUS / ▶▶ NEXT**

- DISC: \*searches backward/forward or selects a track.
- TUNER: tunes the radio frequency up/down.
- TV: selects previous/next channel on Philips TV (on remote only.)

⑦ **■ STOP**

- Exits an operation.
- DISC: stops playback or clears a program.
- TUNER: \*erases a preset radio station.

⑧ **SOURCE**

- Selects the relevant active mode :TV, DISC, TUNER (FM/AM) or AUX.

⑨ **PROG**

- DISC: starts programming.
- TUNER: starts manual preset programming.

⑩ **VOLUME (VOL + -)**

- Adjusts the volume level.

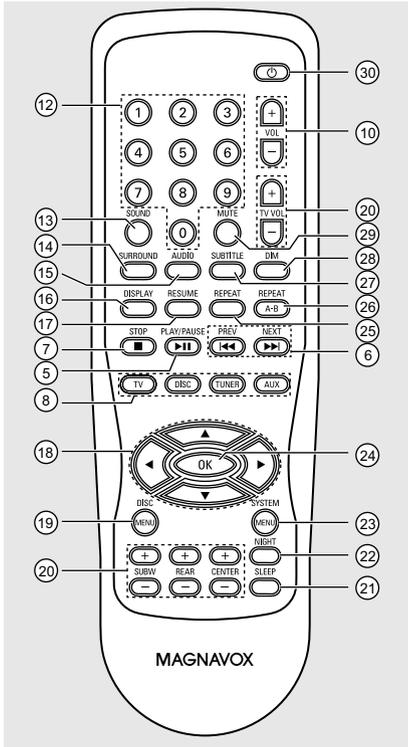
⑪ **PHONES**

- For plugging in the headphones jack. The speakers output will be cancelled.

\* = Press and hold the button for more than two seconds.

# Functional Overview

## Control buttons available on the remote only



### 12 Numeric Keypad (0-9)

- Enters a track/title number of the disc.
- Enters a number of a preset radio station.

### 13 SOUND

- Selects a sound effect.

### 14 SURROUND

- Selects multichannel surround (Dolby Digital, Dolby Pro Logic or Dolby Pro Logic II) or stereo mode.

### 15 AUDIO

- Selects an audio language.

### 16 DISPLAY

- Displays the current status or disc information on TV screen during playback.

### 17 RESUME

- Continues disc playback after an interruption.

### 18 ◀▶▲▼

- Selects movement direction in the menu.
- Use ◀▶ to select a preset radio station.

### 19 DISC MENU

- Enters disc contents menu.

### 20 SUBW + –

- Adjusts subwoofer's sound level.

### REAR + –

- Adjusts rear speakers' sound level.

### CENTER + –

- Adjusts center speaker's sound level.

### TVVOL + –

- Adjusts TV volume (Philips TV only.)

### 21 SLEEP

- Sets the sleep timer function.

### 22 NIGHT (DVD mode only)

- Toggles between night mode on and off.
- Selects night mode on to level out the volume output.

### 23 SYSTEM MENU (DISC mode only)

- Enters or exits system setup menu.

### 24 OK

- Confirms a selection.

### 25 REPEAT

- Selects various repeat modes.

### 26 REPEAT A-B

- Repeats a specific section on a disc.

### 27 SUBTITLE

- Selects a subtitle language.

### 28 DIM

- Selects different levels of brightness for display panel.

### 29 MUTE

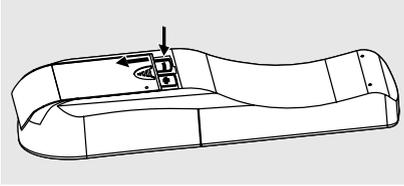
- Mutes or restores the volume.

### 30 ⏻

- Switches to standby mode.
- In TV mode, switches Philips TV on/off.

\* = Press and hold the button for more than two seconds.

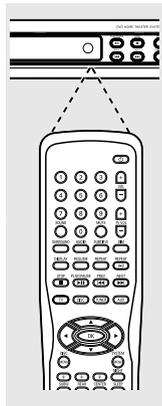
## Step 1: Inserting batteries into the remote control



- 1 Open the battery compartment.
- 2 Insert two batteries type R06 or AA, following the indications (+ -) inside the compartment.
- 3 Close the cover.

## Using the remote control to operate the system

- 1 Aim the remote control directly at the remote sensor (iR) on the front panel.
- 2 Select the source you wish to control by pressing one of the source select buttons on the remote control (for example TV, TUNER.)
- 3 Then select the desired function (for example ► ||, |◀◀, ▶▶|.)



## Step 2: Setting the TV

### IMPORTANT!

Make sure you have completed all the necessary connections. (See pages 10–11 “Connecting TV”.)

- 1 Press **SOURCE** control until “**DISC**” appears on the display panel (or press **DISC** on the remote.)
- 2 Turn on the TV and set to the correct video-in channel. You should see the blue DVD background screen on the TV.  
→ Usually this channel is between the lowest and highest channels and may be called FRONT, A/V IN, or VIDEO. See your TV manual for more details.  
→ Or, you may go to channel 1 on your TV, then press the Channel down button repeatedly until you see the Video In channel.  
→ Or, the TV remote control may have a button or switch that chooses different video modes.  
→ Or, set the TV to channel 3 or 4 if you are using an RF modulator.

### CAUTION!

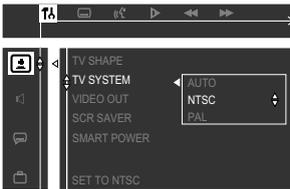
- Remove batteries if they are exhausted or if the remote is not to be used for a long time.
- Do not use old and new or different types of batteries in combination.
- Batteries contain chemical substances, so they should be disposed of properly.

# Getting Started

## Selecting the color system that corresponds to your TV

In order for a DVD to play on this DVD system, the color system of the DVD, the TV and the DVD player should match. Before changing the TV system, ensure that your TV supports the selected color system.

- 1 In disc mode, press **SYSTEM MENU**.  
→ Use the ◀▶▲▼ keys on the remote to navigate in the menu.
- 2 Highlight  icon and press ▼.  
Move to  and press ▶.  
Move to {TV SYSTEM} and press ▶.



**AUTO** – Select this if the connected TV is compatible with both NTSC and PAL (multi-system.) The output format will be in accordance with the video signal of the disc.

**NTSC** – Select this if the connected TV has the NTSC system. It will change the video signal of a PAL disc (VCD only) and output it to NTSC format.

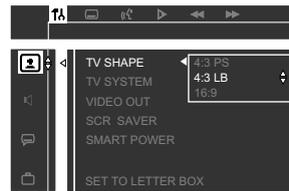
**PAL** – Select this if the connected TV has the PAL system. It will change the video signal of an NTSC disc and output it to PAL format.

- 3 Press ▲▼ to select a setting and press **OK** to confirm.  
→ Follow the instructions shown on the TV to confirm the selection (if any)  
→ If a blank/distorted TV screen appears, wait for 15 seconds for auto recovery.

## Setting the TV shape

Set the aspect ratio of the DVD Player according to the TV you have connected. The format you select must be available on the disc. If it is not, the setting for TV display will not affect the picture during playback.

- 1 In disc mode, press **SYSTEM MENU**.  
→ Use the ◀▶▲▼ keys on the remote to navigate in the menu.
- 2 Highlight  icon and press ▼.  
Move to  and press ▶.  
Move to {TV SHAPE} and press ▶.



### 4:3 PS (PanScan) –

Select this if you have a conventional TV and want both sides of the picture to be trimmed or formatted to fit your TV screen.



### 4:3 LB (letterbox) –

Select this if you have a conventional TV. In this case, a wide picture with black bands on the upper and lower portions of the TV screen will be displayed.



**16:9** – Select this if you have a wide-screen TV.



- 3 Press ▲▼ to select a setting and press **OK** to confirm.

**TIPS:** To return to the previous menu, press ◀.  
To exit the menu, press **SYSTEM MENU**.

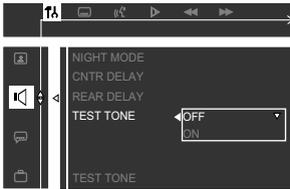
## Step 3: Setting the speakers

You can adjust the delay time (center and rear speakers only) and volume level for individual speakers. These adjustments let you optimize the sound according to your surroundings and setup.

### Test Tone - Turning on/off

If you have turned on the test tone, the test signal will be automatically generated to help you judge the sound level of each speaker.

- 1 In disc mode, press **SYSTEM MENU**.  
→ Use the ◀ ▶ ▲ ▼ keys on the remote to navigate in the menu.
- 2 Highlight  icon and press ▼.  
Move to  and press ▶.  
Move to {TEST TONE} and press ▶.



- 3 Press ▲ ▼ to select a setting.

### Adjusting the delay time

- 4 Press ▲ ▼ to highlight one of the options below at a time, then press ▶.



{CNTR DELAY} – Select this to set the delay time in relation to the listening position/distance from the center speaker (5ms, 3ms, 2ms, 1ms or OFF.)

{REAR DELAY} – Select this to set the delay time in relation to the listening position/distance from the rear speakers (15ms, 12ms, 9ms, 6ms, 3ms or OFF.)

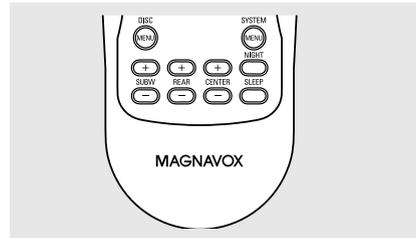
- 5 Press ◀ ▶ to adjust the settings that best suit your surround sound needs.
- 6 Press **OK** to confirm.

#### Helpful Hint:

– Use longer delay time settings when the rear speakers are closer to the listener than the front speakers.

### Adjusting the speaker output levels

You can adjust the rear speakers, center speaker and subwoofer output levels by comparing the sound from the front speakers.



- Press the respective buttons on the remote (**REAR** + –, **CENTER** + – and **SUBW** + –) to adjust the output level between -15dB ~ +10dB.

#### Helpful Hint:

– If you have selected Stereo mode, adjusting the center and rear speakers' volume level will have no effect.

**TIPS:** To return to the previous menu, press ◀.  
To exit the menu, press **SYSTEM MENU**.

## Getting Started

### Step 4: Setting language preferences

You can select your preferred language settings so that this DVD system will automatically switch to the language for you whenever you load a disc. If the language selected is not available on the disc, the disc's default setting language will be used instead. The OSD (on-screen display) language for the system menu will remain as you set it, regardless of various disc languages.

#### On-screen display (OSD) language

- In disc mode, press **SYSTEM MENU**.  
→ Use the ◀ ▶ ▲ ▼ keys on the remote to navigate in the menu.
- Highlight  icon and press ▼.  
Move to  and press ▶.  
Move to {MENU LANG} and press ▶.



- Press ▲ ▼ to select a language and press **OK** to confirm.

#### Audio, Subtitle and Disc menu language

- In disc stop mode, stop playback and press **SYSTEM MENU**.  
→ Use the ◀ ▶ ▲ ▼ keys on the remote to navigate in the menu.
- Highlight  icon and press ▼.  
Move to  and press ▶.  
Move to highlight one of the options below at a time, then press ▶.
  - {AUDIO} (disc's soundtrack)
  - {SUBTITLE} (disc's subtitles)
  - {DISC MENU} (disc's menu)



- Press ▲ ▼ to select a language and press **OK** to confirm.
- Repeat steps 2~3 for other settings.

**TIPS:** To return to the previous menu, press ◀.  
To exit the menu, press **SYSTEM MENU**.

## Progressive Scan

The progressive scan produces 60 complete frames per second, rather than 30 frames per second of interlaced scanning (normal TV system). With nearly double the number of lines, progressive scan offers higher picture resolution, eliminates bothersome motion artifacts and jaggier edges on moving objects.

To enjoy the quality offered by progressive scan, a progressive scan TV is required.

### Activate Progressive Scan manually

You can activate Progressive Scan as below.

- 1 Press **STANDBY ON** on the front panel to switch on the DVD system.
- 2 Press and hold **OPEN/CLOSE ▲** on the front panel, while pressing down the **OPEN/CLOSE ▲**, press the numerical keypad "2" on the remote control.
- To activate the Progressive Scan, you must set the "Video Output" to Y PR PB (see page 28.)

### Deactivate Progressive Scan manually

When the progressive scan function is activated, the TV screen may be blank because of the following reasons:

- 1) Your TV supports progressive scan, but it is not activated. To activate it, please refer to your TV user manual.
- 2) The cables are not connected accordingly. Refer to page 10 for proper connections.
- 3) Your TV does not support progressive scan function. In that case, you can deactivate progressive scan as below.

- 1 Press **STANDBY ON** on the front panel to switch on the DVD system.
- 2 Press and hold **OPEN/CLOSE ▲** on the front panel, while pressing down the **OPEN/CLOSE ▲** press the numerical keypad "1" on the remote control.  
→ The blue DVD background appears on the TV.

**TIPS:** To return to the previous menu, press ◀.  
To exit the menu, press **SYSTEM MENU**.

# Disc Operations

## IMPORTANT!

-  If the inhibit icon (or X) appears on the TV screen when a button is pressed, it means the function is not available on the current disc or at the current time.
- DVD discs and players are designed with regional restrictions. Before playing a disc, make sure the disc is for the same zone as your player.
- Do not push on the disc tray or put any objects other than discs on the disc tray. Doing so may cause the disc player to malfunction.

## Playable discs

Your DVD home cinema system will play:

- Digital Versatile Discs (DVDs)
- Video CDs (VCDs)
- Super Video CDs (SVCDs)
- Audio Compact Discs (CDs)
- MP3 discs, picture (Kodak, JPEG) files on CD-R(W)
  - JPEG/ISO 9660 format
  - Maximum 12 characters display
  - Supported sampling frequencies : 32 kHz, 44.1 kHz, 48 kHz
  - Supported Bit-rates : 32~256 (kbps), variable bit rates



## Region Codes

DVDs must be labeled for **ALL** regions or for **Region 1** in order to play on this DVD system. You cannot play discs that are labeled for other regions.



## Helpful Hints:

- It may not be possible to play CD-R/RW in all cases due to the type of disc or condition of the recording.
- If you are having trouble playing a certain disc, remove the disc and try a different one. Improperly formatted discs will not play on this DVD system.

## Playing discs

- 1 Press **SOURCE** control until “**DISC**” appears on the display panel (or press **DISC** on the remote.)
- 2 Turn on the TV power and set to the correct Video In channel. (See page 17 “Setting the TV”.)  
→ You should see the blue DVD background screen on the TV.
- 3 Press the **OPEN/CLOSE**  to open the disc tray and load a disc, then press the button again to close the disc tray.  
→ Make sure the disc label is facing up. For double-sided discs, load the side you want to play face up.
- 4 Press **▶ ||** to start playback.  
→ If a disc menu shows on the TV, see next page on “Using the Disc Menu.”  
→ If the disc is locked by parental control, you must enter your four-digit password (see page 31.)

**TIPS:** The operating features described here might not be possible for certain discs. Always refer to the instructions supplied with the discs.

## Using the Disc Menu

Depending on the disc, a menu may appear on the TV screen once you load in the disc.

### To select a playback feature or item

- Use the ◀▶ ▲▼ keys or **numeric keypad (0-9)** on the remote, then press **OK** to start playback.

### To access the menu

- Press **DISC MENU** on the remote.

### For VCDs with Playback Control (PBC) feature (version 2.0 only)

- During playback, pressing **DISC MENU** will return to the menu screen (if PBC is on.)  
→ Use |◀◀ / ▶▶| to select a play option and press **OK** to confirm or use the **numeric keypad (0-9)**.

## Basic playback controls

### Pausing playback

- Press ▶||.
- To resume normal playback, press ▶|| again.

### Selecting another track/chapter

- Press |◀◀ / ▶▶| or use the **numeric keypad (0-9)** to key in a track/chapter number.  
→ If repeat mode is active, pressing |◀◀ / ▶▶| will replay the same track/chapter.

### Searching backward/forward

- Press and hold |◀◀ / ▶▶|, then press ▶|| to resume normal playback.  
→ While searching, pressing and holding |◀◀ / ▶▶| again will increase the search speed.

### Stopping playback

- Press ■.

### Resuming playback from the last stopped point (DVD/VCD/CD)

- When play is stopped and the disc has not been ejected, press **RESUME**.

### To cancel the resume mode

- When play is stopped, press ■ again.

### Helpful Hint:

– Opening the disc tray or disconnecting the DVD system from the power supply will cancel the resume option.

**TIPS:** The operating features described here might not be possible for certain discs. Always refer to the instructions supplied with the discs.

## Disc Operations

### Display function

- While playing a disc, press **DISPLAY** to view the information of the playing disc.

#### DVD

TITLE ELAPSED → TITLE REMAIN  
 → CHAPTER ELAPSED → TOTAL  
 REMAIN → OFF

#### VCD (PBC off)/SVCD/CD

SINGLE ELAPSED → SINGLE REMAIN  
 → TOTAL ELAPSED → OFF

#### MP3

CHAPTER ELAPSED → CHAPTER  
 REMAIN → OFF

### Selecting a subtitle language

- While playing a DVD disc with multi subtitle languages, press **SUBTITLE** to select different subtitle language.

#### Helpful Hints:

- This function is not available if the disc is not recorded with multi subtitle languages.
- The maximum number of subtitle languages stipulated by the manufacturers is 32/32.

### Selecting an audio language

- While playing a DVD disc with different channels recorded, press **AUDIO** to select an audio language.
- While playing a SVCD, VCD or CD disc with different channels recorded, press **AUDIO** to select the available audio channels:
  - LEFT VOCAL → RIGHT VOCAL
  - MONO LEFT → MONO RIGHT
  - STEREO

## Selecting various repeat functions

### Repeat play mode

- While playing a disc, press **REPEAT** to select various repeat mode.  
 → "REPEAT" icon will appear on the display, except REPEAT OFF mode.

#### DVD

REPEAT CHAPTER → REPEAT TITLE  
 → REPEAT OFF

#### VCD/SVCD/CD

REPEAT ONE (repeat the current track) → REPEAT DISC → REPEAT OFF

#### MP3

REPEAT ONE → REPEAT ALBUM → REPEAT DISC → REPEAT OFF

#### Helpful Hint:

- For VCD, repeat playback is not possible if the PBC mode is switched on.

### Repeating a section within a title/track

- 1 While playing a disc, press **REPEAT A-B** at the starting point.
- 2 Press **REPEAT A-B** again to end the section.  
 → The section A and B can be set only within the same title/track.  
 → The section will now repeat continuously.
- 3 Press **REPEAT A-B** again to resume normal playback.

## Program favorite tracks (audio CDs and VCDs)

You can play the contents of the disc in the order you want by programming the order of the tracks to be played. Up to 99 tracks can be stored.

- 1 Stop playback, then press **PROG** on the front panel to enter program mode.
- 2 Use the **numeric keypad (0-9)** to enter a valid track number.  
→ "FULL" will appear if you have programmed 99 tracks.
- 3 Press **OK** to store the track.
- 4 Repeat steps 2~3 to select other tracks.
- 5 Press **▶ II** to start program playback.

### Clearing the program

- Stop playback, then press the **■** again.  
→ "PROG CLR" appears.

#### Helpful Hints:

- If the DVD system is disconnected from the power supply, it will erase the program.
- For VCD, the program option is only possible if the PBC mode is turned off.

## Using the menu bar to program

### IMPORTANT!

**You have to turn on your TV and set to the correct Video In channel.** (See page 17 "Setting the TV".)

- 1 Stop playback, then press **SYSTEM MENU**.  
→ The menu bar will appear across the top of the TV screen.
- 2 Press **◀▶** to select  and press **▼** to enter the program menu.



- 3 Use the **numeric keypad (0-9)** to enter the track number to be programmed.  
→ "FULL" will appear if you have programmed 99 tracks.
- 4 Press **▶ II** to start program playback.

### To clear the program

- Stop playback, then press **■** again.

**TIPS:** The operating features described here might not be possible for certain discs. Always refer to the instructions supplied with the discs.

## Disc Operations

### Playing MP3/Picture disc (Kodak, JPEG)

#### IMPORTANT!

**You have to turn on your TV and set to the correct Video In channel.** (See page 17 “Setting the TV”.)

#### MP3/ JPEG picture disc

- 1 Load an MP3/JPEG picture disc.  
→ The disc reading time may exceed 30 seconds due to the complexity of the directory/file configuration.
- 2 Playback will start automatically.  
→ The album/picture menu appears on the TV screen. If not, press DISC MENU on the remote.
- 3 Use ◀▶▲▼ keys to select a desired album, then press **OK** to open the folder (for MP3 disc only).  
→ The title menu appears on the TV screen.
- 4 Use ◀▶▲▼ keys to select a desired title, then press **OK** to start playback.
- You can also use the **numeric keypad (0-9)** to enter your choice.
- 5 To stop playback, press ■.

#### Kodak picture CD

- 1 Load a Kodak picture disc.  
→ The disc reading time may exceed 30 seconds due to the complexity of the directory/file configuration.
- 2 Playback will start automatically.
- 3 To stop playback, press ■.  
→ 9 thumbnail pictures will appear on the TV.  
→ Use |◀◀ / ▶▶| keys to view the previous/next page (if available.)
- 4 Use ◀▶▲▼ keys to navigate within the menu and press **OK** to start playback.

**TIPS:** The operating features described here might not be possible for certain discs. Always refer to the instructions supplied with the discs.

During playback, you can;

- Press |◀◀ / ▶▶| to select another title/picture in the current folder.
- Use ◀▶▲▼ keys to rotate/flip the picture files.
- Select “ZOOM ON”, then press and hold the |◀◀ / ▶▶| (or select ◀◀▶▶ on the system menu, then press |◀◀ / ▶▶|) to zoom the picture in or out.
- Press ▶|| to pause/resume playback.
- 5 To stop playback, press ■.

#### Helpful Hints:

- Due to the recording nature of Digital Audio MP3 (DAM), only digital audio music will play.
- It is normal to experience an occasional “skip” while listening to your MP3 discs.
- It may not be possible to play certain MP3 or JPEG disc due to the configuration and characteristics of the disc or condition of the recording.
- For multi-session discs with different formats, only the first session will be available.

#### JPEG and MP3 simultaneously playback

- 1 Select a MP3 track and press **NIGHT**.  
→ ‘MP3 is selected’ appears on the TV.
- 2 Press ▲▼ to select a picture file, then press **OK**.
- 3 To quit simultaneous playback, press ■.  
→ The picture and MP3 music playback will stop.

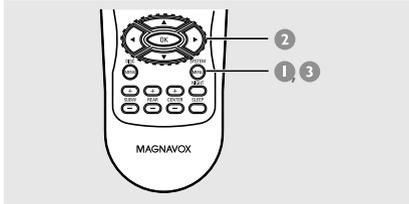
#### Helpful Hint:

- If the disc menu doesn’t appear on the TV screen, press DISC MENU to turn on the disc menu.

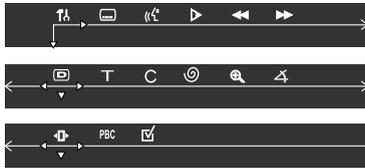
# DVD Setup Menu Options

## Using the menu bar

You can continue a number of operations directly via the multiple menu bars on the TV screen without interrupting the disc playback. The exception is when you enter **SETUP MENU** (SETUP MENU), after which the playback will pause.



- In disc mode, press **SYSTEM MENU**.  
→ The menu bar will appear across the top of the TV screen.



- Use **◀ ▶ ▲ ▼** keys on the remote to navigate in the menu.  
→ Press **◀ ▶** to move through the menu bar.  
→ Press **▼** to enter the selection. If there are multiple choices available, press **▼** repeatedly to select.
- Press **SYSTEM MENU** again to exit the menu.

### IMPORTANT!

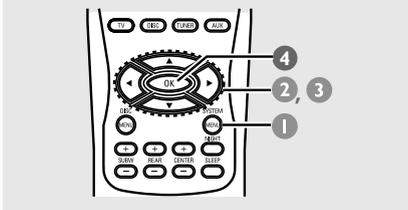
- Some operations may be different or restricted, depending on the disc format. Refer to the jacket or case of the disc you are playing.
- Changing the Subtitle Language and Audio Language from the menu bar will only apply to the current disc, it will not change the default preset.

	<b>SUBTITLE</b> Select a subtitle language that is available on the DVD.
	<b>LANGUAGE</b> DVD : Select an audio soundtrack language that is available on the DVD. VCD : Select audio channels : LEFT VOCAL, RIGHT VOCAL, MONO LEFT, MONO RIGHT or STEREO.
	<b>SLOW MOTION</b> Select a slow playback speed. The volume will be muted. To resume normal playback, press <b>▶ II</b> . DVD : SF x1/2, SF x1/4, SF x1/8, SR x1/2, SR x1/4, SR x1/8, PLAY. VCD : SF x1/1, SF x1/2, SF x1/3, PLAY. (SF - Slow Forward, SR- Slow Reverse)
	<b>FAST REVERSE (FR)</b> DVD / MP3 : FR x2, FR x4, FR x6, FR x8, PLAY. VCD / CD : FR x1, FR x2, FR x3, FR x4, PLAY.
	<b>FAST FORWARD (FF)</b> DVD / MP3 : FF x2, FF x4, FF x6, FF x8, PLAY. VCD / CD : FF x1, FF x2, FF x3, FF x4, PLAY.  Select a search speed (FR - backward, FF - forward). The volume will be muted. To resume normal playback, press <b>▶ II</b> .
	<b>STATUS</b> Allows viewing of the current status of the disc. The information will vary depending on the disc format.
	<i>Available on DVD only</i> <b>TITLE SEARCH (TITLE XX:YY)</b> Select a Title for playback to begin.
	<b>CHAPTER SEARCH (CHAPTER XX:YY)</b> Select a Chapter for playback to begin.  "XX" - current title/chapter number. "YY" - total number of title/chapter. Use the <b>numeric keypad (0-9)</b> to change the "XX" number, then press <b>OK</b> .
	<b>TIME SEARCH (TIME __:__:__)</b> Use the <b>numeric keypad (0-9)</b> to enter the time (hours, minutes and seconds) at which you want playback to begin (for DVD and VCD with PBC-OFF only)
	<b>ZOOM</b> Select an enlarge picture ratio : x1.5, x2 or x4. You can use <b>◀ ▶ ▲ ▼</b> keys to move within the enlarged picture on the TV. To resume normal playback, select 'ZOOM OFF' from the menu.
	<b>ANGLE (for DVD only)</b> Select to view the same scene from different angles if the DVD is recorded with multiple angles.
	<b>STEP FORWARD</b> Select to advance the still picture one frame forward. To resume normal playback, press <b>▶ II</b> .
	<b>PBC ON/OFF (for VCD 2.0 with PBC feature)</b> Select between PBC On and Off. 'PBC OFF' - the playback will start automatically. 'PBC ON' - the disc menu (if available) will appear on the TV. Use the <b>numeric keypad (0-9)</b> to enter your choice.
	<b>PROGRAM</b> Stop playback, then select this to enter the program menu (see page 25 "Using the menu bar to program".)

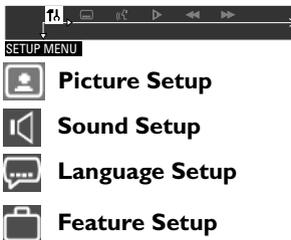
## DVD Setup Menu Options

### Using the Setup Menu

This DVD setup is carried out via the TV, enabling you to customize the DVD system to suit your particular requirements.



- 1 In disc mode, press **SYSTEM MENU**.  
→ Playback will pause.
- 2 Highlight  icon and press ▼ to enter the setup menu. Then press ▲▼ to select one of the setup menu options and press ► to enter the menu.



- 3 Use ◀▶▲▼ keys on the remote to navigate in the menu.
- 4 Press **OK** to confirm your selection.

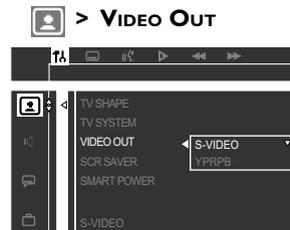
#### NOTE:

Some of the features in the Setup Menu are described in “Getting Started.”

### Setting the video output

Choose the type of video output that matches the video connection between the DVD system and your TV.

Stop playback, then follow the steps of “Using the Setup Menu” and select :



#### S-VIDEO

Select this if you have connected the DVD system to your TV using the S-Video jack.

#### Y PR PB

Select this if you have connected the DVD system to your TV using component video jacks.

#### Helpful Hints:

- You do not need to adjust the video output setting if you are using CVBS jack (yellow) to connect the DVD system to your TV.
- If the Progressive Scan is set to ON, this item will not be available.

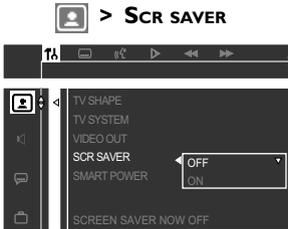
**TIPS:** To return to the previous menu, press ◀.  
To exit the menu, press **SYSTEM MENU**.

# DVD Setup Menu Options

## Screen Saver - turning on/off

The screen saver will help to prevent your TV display device from getting damaged.

Follow the steps of “Using the Setup Menu” and select :



### **OFF**

Select this to disable the screen saver function.

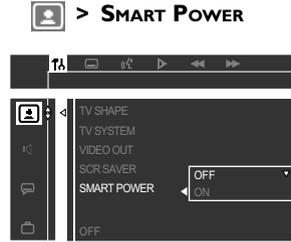
### **ON**

Select this if you wish to turn off the TV screen when play is stopped or paused for more than five (5) minutes.

## Smart power – turning on/off

When in “Stop” or “No Disc” mode, the DVD system will switch to standby mode, after 15 minutes of inactivity for energy saving.

Follow the steps of “Using the Setup Menu” and select :



### **OFF**

Smart Power is disabled.

### **ON**

In STOP or NO DISC mode, if no actions are performed for 15 minutes, the smart power will be activated.

**TIPS:** To return to the previous menu, press **◀**.  
To exit the menu, press **SYSTEM MENU**.

## DVD Setup Menu Options

### Night mode – turning on/off

When the night mode is activated, the high volume outputs will be softened and low volume outputs will be brought upward to an audible level. It is useful for watching your favorite action movie without disturbing others at night. This function can also be accessed via the NIGHT button on the remote.

Follow the steps of “Using the Setup Menu” and select :



### **OFF**

Select this when you want to enjoy the full dynamic of surround sound.

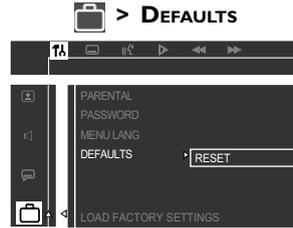
### **ON**

Select this to level out the volume. This feature is only available for movies with Dolby Digital mode.

### Restoring the original settings

Setting the DEFAULT function will reset all options and your personal settings to the factory defaults, except your password for Parental Control and Video Output.

Follow the steps of “Using the Setup Menu” and select :



### **RESET**

Pressing ► to select {RESET}, all settings will now reset to factory defaults.

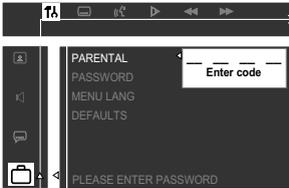
**TIPS:** To return to the previous menu, press ◀.  
To exit the menu, press **SYSTEM MENU**.

# DVD Setup Menu Options

## Restricting playback by Parental Control

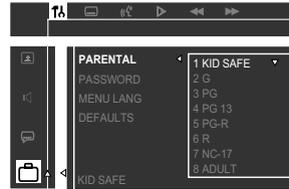
Some DVDs may have a parental level assigned to the complete disc or to certain scenes on the disc. This feature lets you set a playback limitation level. The rating levels are from 1 to 8 and are country dependent. You can prohibit the playback of certain discs that are not suitable for your children or have certain discs played with alternative scenes.

- 1 In disc mode, press **SYSTEM MENU**.  
→ Use the ◀ ▶ ▲ ▼ keys on the remote to navigate in the menu.
- 2 Select  icon and press ▼.  
Move to  and press ▶.  
Move to {PARENTAL} and press ▶.



- 3 Use the **numeric keypad (0-9)** to enter '1234' (default password) when you are asked to enter the four-digit password. You will have to enter the same code, exactly, twice.  
→ To change the password, see page 32 "Changing the password."

- 4 Select a rating level and press **OK**.  
→ DVDs that are rated above the level you selected will not play unless you enter your four-digit password and choose a higher level rating. To disable Parental Controls and have all discs play, choose 'NO PARENTAL.'



- 5 Press **SYSTEM MENU** again to exit the menu.

## Rating explanations

**NO PARENTAL** – It will play all discs.

**8 ADULT** – Mature material; should be viewed only by adults due to graphic sexual material, violence, or language.

**7 NC-17** – No children under age 17; not recommended viewing for children under age 17.

**5-6 PG-R** – Parental Guidance - Restricted; recommended that parents restrict children under 17 from viewing or allow to view only when supervised by a parent or adult guardian.

**4 PG13** – Material is unsuitable for children under age 13.

**3 PG** – Parental Guidance suggested.

**2 G** – General Audience; recommended as acceptable for viewers of all ages.

**1 KID SAFE** – Kids material; recommended especially for children and viewers of all ages.

## Helpful Hints:

– VCD, SVCD, CD have no level indication, so parental control has no effect on these type of discs. This also applies to most illegal DVDs.

– Some DVDs are not encoded with a rating though the movie rating may be printed on the Disc cover. The rating level feature does not prohibit playback of such Discs.

**TIPS:** To return to the previous menu, press ◀.  
To exit the menu, press **SYSTEM MENU**.

# DVD Setup Menu Options

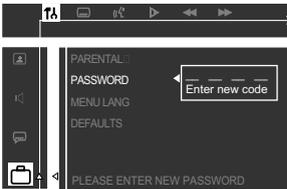
## Changing the password

You can change the four-digit password used for Parental Control. Enter your four-digit password to play a prohibited disc or if prompted for a password. The default password is '1234.'

- 1 In disc mode, press **SYSTEM MENU**.  
→ Use the ◀▶▲▼ keys on the remote to navigate in the menu.
- 2 Select  icon and press ▼.  
Move to  and press ▶.  
Move to {PASSWORD} and press ▶.



- 3 Use the **numeric keypad (0-9)** to enter your original four-digit password at "Enter old code."  
→ If you are asked to enter the code for the first time, key in '1234.'  
→ If you forget your password, press  **four times** to restore to the default password (1234.)
- 4 Enter your new four-digit password.



- 5 Enter the same new four-digit password again.



- 6 Press **SYSTEM MENU** again to remove the menu.

**TIPS:** To return to the previous menu, press ◀.  
To exit the menu, press **SYSTEM MENU**.

# Tuner Operations

## IMPORTANT!

Make sure the **FM** and **AM** antennas are connected.

## Tuning to radio stations

- 1 Press **TUNER** on the remote (or press **SOURCE** control on front panel) to select "FM" or "AM."
- 2 Press and hold **◀◀ / ▶▶** on the remote until the frequency indication starts to change, then release.  
→ The next radio station will tune automatically.
- 3 To tune a weak station, press **◀◀ / ▶▶** briefly and repeatedly until an optimal reception is found.

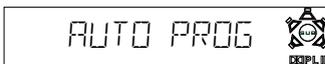
## Presetting radio stations

You can store up to 40 preset radio stations in the memory, starting from FM and followed by AM bands.

### Automatic presetting

You can store all available radio stations automatically.

- In tuner mode, press and hold **PROG** until "AUTO PROG" appears.



- All the available radio stations with strong transmission signal will be stored.
- Automatic preset will begin from preset (1) and all your former presets will be overridden.
- If it reaches 40 presets, "PROG FULL" appears.
- Once complete, "PROG END" appears.

### Manual presetting

You can choose to store only your favourite radio stations.

- 1 Tune to your desired radio station (see "Tuning to a radio station".)
- 2 Press **PROG**.  
→ "PROGRAM" icon appears.
- 3 Use the **numeric keypad (0-9)** to select a preset number.  
→ If "PROGRAM" icon goes off before you select the desired preset number, press **PROG** again.



- 4 Press **PROG** again to store.
- 5 Repeat steps 1~4 to store other radio stations.

### Helpful Hints:

- If you attempt to program more than 40 preset radio stations, "PROG FULL" appears.
- The system will exit presetting mode if no button is pressed within five seconds.

## Selecting a preset radio station

- Press **◀ ▶** or use the **numeric keypad (0-9)** to select a preset number.  
→ The preset number, radio frequency, and waveband will appear.

### Deleting a preset radio station

- Press and hold **■** until "PXX CLR" appears.  
→ The current preset radio station will be deleted.

## Other Functions

### Sound Control

#### IMPORTANT!

**For proper surround sound, make sure the speakers and subwoofer are connected (see page 12.)**

#### Selecting surround sound

- Press **SURROUND** to select surround or stereo mode.
  - The availability of the various surround sound modes depends on the number of speakers used and the sound available on the disc.
  - The center and surround speakers operate only in Multi-channel surround mode.
  - The available output modes for multi-channel include: Dolby Digital, Dolby Pro Logic or Dolby Pro Logic II surround sound.
  - Stereo broadcasts or recordings will produce some surround channel effects when played in a surround mode. However, monaural (single channel sound) sources will not produce any sound from the rear speakers.

#### Selecting digital sound effects

Select a preset digital sound effects that matches your disc's content or that optimizes the sound of the musical style you are playing.

- Press **SOUND** to select the available sound effect.

When playing movie discs, you can select: **CONCERT**, **ACTION**, **DRAMA**, or **SCI-FI**.

When playing music discs or while in TV, **TUNER** or **AUX** mode, you can select: **DIGITAL**, **CLASSIC**, **ROCK**, or **JAZZ**.

#### Helpful Hint:

– For flat sound output, select **CONCERT** or **CLASSIC**.

### Volume control

- Adjust **VOLUME** control (or press **VOL + / -** on the remote) to increase or decrease the volume level.
  - "**VOL XX**" appears. "XX" denotes the volume level.

#### To listen through the headphones

- Plug in the headphones plug to the **PHONES** socket at the front of the DVD system.
  - The speakers will be muted.

#### To turn off the volume temporarily

- Press **MUTE**.
  - Playback will continue without sound and "**MUTE**" appears.
  - To restore the volume, press **MUTE** again or increase the volume level.

### Dimming system's display screen

- In any active mode, press **DIM** to select desired brightness : **HIGH**, **MID** or **LOW**.

### Using the remote to operate 'Philips' television

- 1 Press **TV**.
- 2 Press **◀◀ / ▶▶** or use the **numeric keypad (0-9)** to select the TV's channel.
- 3 Press **TVVOL + / -** to adjust the TV's volume level.
- 4 Press **⏻** to turn off your TV.

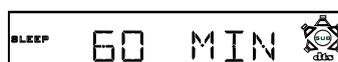
#### *Helpful Hint:*

– When listening to TV or AUX programs, press the respective TV or AUX button on the remote in order for the sound to be heard.

### Setting the Sleep Timer

The sleep timer enables the system to switch to standby mode automatically at a preset time.

- Press **SLEEP** repeatedly until it reaches the desired preset turn-off time.  
→ The selections are as follows (time in minutes):  
15 → 30 → 45 → 60 → 90 → 120  
→ OFF → 15 ...  
→ "SLEEP" icon will be shown on the display, except if "OFF" is selected.



#### **To check or change the setting**

- Press **SLEEP** once to show the remaining time before switching off. If you continue pressing the **SLEEP** button, the next Sleep Timer option will appear.

#### **To cancel the sleep timer**

- Press **SLEEP** repeatedly until "OFF" appears or press the **STANDBY ON** button.

# Troubleshooting

## WARNING

Under no circumstances should you try to repair the system yourself, as this will invalidate the warranty. Do not open the system as there is a risk of electric shock.

If a fault occurs, first check the points listed below before taking the system for repair. If you are unable to remedy a problem by following these hints, please consult your dealer for help.

Problem	Solution
<b>No power.</b>	<ul style="list-style-type: none"><li>– Check if the AC power cord is properly connected.</li><li>– Press the STANDBY ON on the front of the DVD system to turn on the power.</li></ul>
<b>No picture.</b>	<ul style="list-style-type: none"><li>– Refer to your TV's manual for correct Video In channel selection. Change the TV channel until you see the DVD screen.</li><li>– Press DISC on the remote.</li><li>– Refer to description "Progressive Scan" in next page.</li></ul>
<b>Completely distorted picture or black/white picture.</b>	<ul style="list-style-type: none"><li>– If this happens when you changing the setting of the 'TV SYSTEM', wait for 15 seconds for auto recovery.</li><li>– Check the video connection.</li><li>– Sometimes a small amount of picture distortion may appear. This is not a malfunction.</li><li>– Clean the disc.</li></ul>
<b>The aspect ratio of the screen cannot be changed even though you have set the TV display.</b>	<ul style="list-style-type: none"><li>– The aspect ratio is fixed on the DVD disc.</li><li>– Depending on the TV, it may not be possible to change the aspect ratio.</li></ul>
<b>No sound or distorted sound.</b>	<ul style="list-style-type: none"><li>– Adjust the volume.</li><li>– Check the speaker connections and settings.</li><li>– Disconnect the headphones.</li><li>– Press the correct source button on the remote (TV or AUX, for example) to choose the equipment that you want to hear through the DVD system.</li></ul>
<b>The DVD system does not work.</b>	<ul style="list-style-type: none"><li>– Disconnect the power cord from the power outlet for a few minutes. Reconnect the power cord and try to operate again as usual.</li></ul>
<b>The disc tray cannot open and "TRAY LOCKED" is displayed.</b>	<ul style="list-style-type: none"><li>– Press and hold SOURCE button on the front panel for more than two seconds, then press PLAY button.</li></ul>
<b>The display panel is dark.</b>	<ul style="list-style-type: none"><li>– Press DIM again.</li></ul>
<b>Low hum or buzz sound.</b>	<ul style="list-style-type: none"><li>– Place the DVD system as far away as possible from electrical devices that may be causing interference.</li></ul>
<b>Cannot activate some features, such as Angles, Subtitles, or multi-language Audio.</b>	<ul style="list-style-type: none"><li>– The features may not be available on the DVD.</li><li>– Changing the language for the sound or subtitle is prohibited on the DVD.</li></ul>

Problem	Solution
<p><b>The DVD player does not start playback.</b></p>	<ul style="list-style-type: none"> <li>- Insert a readable disc with the playback side facing down. The DVD+R/CD-R must be finalized.</li> <li>- Check the disc type, color system and region code.</li> <li>- Check for any scratches or smudges on the disc.</li> <li>- Press SYSTEM SETUP to turn off the setup menu screen.</li> <li>- You may need to enter the password in order to change the parental control rating level or to unlock the disc for playback.</li> <li>- Moisture has condensed inside the system. Remove the disc and leave the system turned on for about an hour.</li> </ul>
<p><b>There is no sound from the center and rear speakers.</b></p>	<ul style="list-style-type: none"> <li>- Press CENTER + - or REAR + - to adjust the volume level.</li> <li>- Make sure the center and rear speakers are connected correctly.</li> <li>- Press SURROUND button to select a correct surround sound setting.</li> <li>- Make sure the source you are playing is recorded or broadcast in surround sound (DPL II, Dolby Digital, etc.)</li> </ul>
<p><b>Radio reception is poor.</b></p>	<ul style="list-style-type: none"> <li>- If the signal is too weak, adjust the antenna or connect an external antenna for better reception.</li> <li>- Increase the distance between the system and your TV or VCR.</li> <li>- Tune in to the correct frequency.</li> <li>- Place the antenna farther away from any equipment that may be causing the noise.</li> </ul>
<p><b>The remote control does not function properly.</b></p>	<ul style="list-style-type: none"> <li>- Select the source (DISC or TUNER, for example) before pressing the function button (▶  , ◀◀, ▶▶).</li> <li>- Reduce the distance between the remote control and the system.</li> <li>- Replace the batteries with new ones.</li> <li>- Point the remote control directly toward the IR sensor.</li> <li>- Check that the batteries are loaded correctly.</li> </ul>
<p><b>Progressive Scan.</b></p>	<ul style="list-style-type: none"> <li>- If the progressive function is activated but your TV does not support progressive scan or the cables are not connected accordingly, the TV screen will be blank. You can deactivate progressive scan as below.             <ol style="list-style-type: none"> <li>1) Press <b>STANDBY ON</b> on the front panel to switch on the DVD system.</li> <li>2) Press <b>OPEN/CLOSE ▲</b> on the front panel, while pressing down <b>OPEN/CLOSE ▲</b>, press numerical keypad "1" on the remote control. The blue DVD background appears on the TV screen.</li> </ol> </li> </ul>

# Specifications

## AMPLIFIER SECTION

Total output power	
- Home Theater mode	200 W
- FTC	120 W
Front	20 W FTC <sup>①</sup> x 2
Rear	20 W FTC <sup>①</sup> x 2
Center	20 W FTC <sup>①</sup>
Subwoofer	20 W FTC <sup>①</sup>
Frequency Response	180 Hz – 14 kHz / ±3 dB
Signal-to-Noise Ratio	> 60 dB (A-weighted)
Input Sensitivity	
- AUX In	450 mV
- TV In	450 mV

① 4ohm, 1 kHz, 1% THD

## TUNER SECTION

Tuning Range	FM 87.5 – 108 MHz AM 530 – 1710 kHz
26 dB Quieting Sensitivity	FM 22 dBf
26 dB Quieting Sensitivity	AM 5000 µV/m
IF Rejection Ratio	FM 60 dB AM 24 dB
Signal-to-Noise Ratio	FM 50 dB AM 30 dB
AM Suppression Ratio	FM 30 dB
Harmonic Distortion	FM Mono 3% FM Stereo 3% AM 5%
Frequency Response	FM 180 Hz – 10 kHz / ±6 dB
Stereo Separation	FM 26 dB (1 kHz)
Stereo Threshold	FM 23.5 dB

## DISC SECTION

Laser Type	Semiconductor
Disc Diameter	12cm / 8cm
Video Decoding	MPEG-2 / MPEG-1
Video DAC	10 Bits
Signal System	PAL / NTSC
Video Format	4:3 / 16:9
Video S/N	56 dB (minimum)
Composite Video Output	1.0Vp-p, 75 Ω
S-Video Output	Y - 1.0Vp-p, 75 Ω C - 0.286Vp-p, 75 Ω
Audio DAC	24 Bits / 96 kHz
Frequency Response	4 Hz – 20 kHz (44.1 kHz) 4 Hz – 22 kHz (48 kHz)
Digital Output	SPDIF (Sony Philips digital interface) Coaxial
- Dolby Digital	IEC 60958, IEC 61937

## MAIN UNIT

Power Supply Rating	120V / 60 Hz
Power Consumption	110 W
Dimensions (w x h x d)	435 x 53 x 359 (mm)
Weight	5.58 kg

## SPEAKERS

Front/Rear speakers	
System	1-way
Impedance	4 Ω
Speaker drivers	3" full range woofer
Frequency response	160 Hz – 20 kHz
Dimensions (w x h x d)	90 x 92 x 90 (mm)
Weight	0.53 kg each

## CENTER SPEAKER

System	1-way, magnetically shielded
Impedance	4 Ω
Speaker drivers	3" full range woofer
Frequency response	160 Hz – 20 kHz
Dimensions (w x h x d)	90 x 92 x 90 (mm)
Weight	0.53 kg

## PASSIVE SUBWOOFER

Impedance	4 Ω
Speaker drivers	6.5" woofer
Frequency response	45 Hz – 2 kHz
Dimensions (w x h x d)	220 x 212 x 350 (mm)
Weight	3.57 kg

*Specifications subject to change without prior notice*

**Analog:** Sound that has not been turned into numbers. Analog sound varies, while digital sound has specific numerical values. These jacks send audio through two channels, the left and right.

**Aspect ratio:** The ratio of vertical and horizontal sizes of a displayed image. The horizontal vs. vertical ratio of conventional TVs. is 4:3, and that of wide-screens is 16:9.

**AUDIO OUT Jacks:** Jacks on the back of the DVD System that send audio to another system (TV, Stereo, etc.)

**Bit Rate:** The amount of data used to hold a given length of music; measured in kilobits per second, or kbps. Or, the speed at which you record. Generally, the higher the bit rate, or the higher the recording speed, the better the sound quality. However, higher bit rates use more space on a Disc.

**Chapter:** Sections of a picture or a music piece on a DVD that are smaller than titles. A title is composed of several chapters. Each chapter is assigned a chapter number enabling you to locate the chapter you want.

**Component Video Out Jacks:** Jacks on the back of the DVD System that send high-quality video to a TV that has Component Video In jacks (R/G/B, Y/Pb/Pr, etc.)

**Disc menu:** A screen display prepared for allowing selection of images, sounds, subtitles, multi-angles, etc recorded on a DVD.

**Digital:** Sound that has been converted into numerical values. Digital sound is available when you use the DIGITAL AUDIO OUT COAXIAL or OPTICAL jacks. These jacks send audio through multiple channels, instead of just two channels as analog does.

**Dolby Digital:** A surround sound system developed by Dolby Laboratories containing up to six channels of digital audio (front left and right, surround left and right, center and subwoofer.)

**Dolby Pro Logic II:** It creates five full-bandwidth output channels from two-channel sources. Decode only systems that derive 5.1 channels instead of the conventional 4 channels of Dolby Pro Logic surround sound.

**JPEG:** A very common digital still picture format. A still-picture data compression system proposed by the Joint Photographic Expert Group, which features small decrease in image quality in spite of its high compression ratio.

**MP3:** A file format with a sound data compression system. "MP3" is the abbreviation of Motion Picture Experts Group 1 (or MPEG-1) Audio Layer 3. By using the MP3 format. One CD-R or CD-RW can contain about 10 times more data than a regular CD.

**Parental control:** Limits Disc play according to the age of the users or the limitation level in each country. The limitation varies from disc to disc; when it is activated, playback will be prohibited if the software's level is higher than the user-set level.

**Playback control (PBC):** Refers to the signal recorded on video CDs or SVCDs for controlling playback. By using menu screens recorded on a Video CD or SVCD that supports PBC, you can enjoy interactive playback and searching.

**Progressive Scan:** It displays all the horizontal lines of a picture at one time, as a single frame. This system can convert the interlaced video from DVD into progressive format when the DVD Player is connected to a Progressive Scan TV. It dramatically increases the vertical resolution and provides the best picture.

**Region code:** A system allowing discs to be played only in the region designated. This unit will only play discs that have compatible region codes. You can find the region code of your unit by looking on the product label. Some discs are compatible with more than one region (or ALL regions.)

**S-Video:** Produces a clear picture by sending separate signals for the luminance and the color. You can use S-Video only if your TV has an S-Video In jack.

**Sampling Frequency:** Frequency of sampling data when analog data is converted to digital data. Sampling frequency numerically represents how many times the original analog signal is sampled per second.

**Surround:** A system for creating realistic three-dimensional sound fields full of realism by arranging multiple speakers around the listener.

**Title:** The longest section of a movie or music feature on DVD. Each title is assigned a title number, enabling you to locate the title you want.

**VIDEO OUT jack:** Yellow jack on the back of the DVD system that sends the DVD picture video to a TV.

# MAGNAVOX LIMITED WARRANTY

## One (1) Year Free Product Exchange

**MAGNAVOX** warrants this product against defect in material or workmanship, subject to any conditions set forth as follows:

### PROOF OF PURCHASE:

You must have proof of the date of purchase to exchange the product. A sales receipt or other document showing the product and the date that you purchased the product as well as the authorized retailer included, is considered such proof.

### COVERAGE:

Warranty coverage begins the day you buy your product. For a period of one (1) year from the date of purchase, if the product is determined to be defective, Magnavox will exchange the defective product with a new or renewed product, at its option, at no charge. The replacement product is covered only for the warranty period of the original product. When the warranty on the original product expires, the warranty on all replaced products also expires. When it is necessary for you to ship the product to Magnavox for exchange, you will pay the shipping cost for shipment to Magnavox. Magnavox will pay the shipping costs when returning a product to you.

Note: The exchange model supplied will be the most comparable one in Magnavox current inventory. Shipping of your product to Magnavox implies intent to follow the specified requirements of the warranty and exchange program. Product received by Magnavox cannot be returned. Replacement product can only be sent if all warranty requirements are met. Failure to follow all requirements can result in delay of exchange process.

### EXCLUDED FROM WARRANTY COVERAGE

Your warranty does not cover:

- Shipping charges to return defective product.
- Labor charges for installation or setup of the product, adjustment of customer controls on the product, and installation or repair of antenna systems outside of the product.
- Product repair and/or part replacement because of improper installation, connections to improper voltage supply, abuse, neglect, misuse, accident, unauthorized repair or other cause not within the control of Magnavox.
- A product that requires modification or adaptation to enable it to operate in any country other than the country for which it was designed, manufactured, approved and/or authorized, or repair of products damaged by these modifications.
- Damage occurring to product during shipping when improperly packaged or costs associated with packaging.
- Product lost in shipment and no signature verification receipt can be obtained.
- A product used for commercial or institutional purposes (including but not limited to rental purposes).
- Products sold AS IS or RENEWED.

### WHERE WARRANTY EXCHANGE IS AVAILABLE:

Exchange is available in all countries where Magnavox officially distributes the product. In countries where Magnavox does not distribute the product, the local Magnavox organization will attempt to exchange the product, although there may be a delay if the appropriate product is not readily available or special customs processes are implied.

### FOR EXCHANGE IN THE U.S.A., PUERTO RICO, OR U.S. VIRGIN ISLANDS...

Contact Magnavox Customer Care Center at:  
1-800-705-2000

### FOR EXCHANGE IN CANADA...

1-800-661-6162 (French Speaking)  
1-800-705-2000 (English or Spanish Speaking)

REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS THE EXCLUSIVE REMEDY FOR THE CONSUMER. MAGNAVOX SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS PRODUCT. EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THIS PRODUCT IS LIMITED IN DURATION TO THE DURATION OF THIS WARRANTY.

Some states do not allow the exclusions or limitation of incidental or consequential damages, or allow limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you. In addition, if you enter into a service contract agreement with the MAGNAVOX partnership within ninety (90) days of the date of sale, the limitation on how long an implied warranty lasts does not apply.

*This warranty gives you specific legal rights. You may have other rights which vary from state/province to state/province.*

Magnavox, P.O. Box 671539, Marietta, GA. 30006-0026

(Warranty: 4835 710 27825)