User Manual

MAGNAVOX

S M A R T . V E R Y S M A R T .

MDV460
DVD VIDEO PLAYER

STOP!

Thank you for choosing
Magnavox.

Need help fast?

Read your Quick Use/Start Guide and/or
Owner's Manual first for quick tips
that make using your Magnavox product
more enjoyable.
If you have read your instructions
and still need assistance,
you may access our online help at

**www.usasupport.magnavox.com
or call
1-800-705-2000
while with your product
(and Model / Serial number)**

ARRÊT!

Magnavox vous remercie de
votre confiance.

Besoin d'une aide rapide?

Les Guide d'utilisation rapide et Manuel de
l'utilisateur regorgent d'astuces destinées à
simplifier l'utilisation de votre produit Magnavox.
Toutefois, si vous ne parvenez pas à résoudre
votre probléme, vous pouvez accéder à
notre aide en ligne à l'adresse

**www.usasupport.magnavox.com
ou formez le
1-800-661-6162 (Francophone)
1-800-705-2000 (English speaking)
Veillez à avoir votre produit à
portée de main
(et model / serial nombre)**

ALTO!

Gracias por escoger
Magnavox.

Necesita ayuda inmediata?

Lea primero la Guía de uso rápido o el
Manual del usuario, en donde encontrará
consejos que le ayudarán a disfrutar
plenamente de su producto Magnavox.
Si después de leerlo aún necesita ayuda,
consulte nuestro servicio de
asistencia en línea en

**www.usasupport.magnavox.com
o llame al teléfono
1-800-705-2000
y tenga a mano el producto
(y número de model / serial)**

01-37 MDV460_US3   1   16/06/05, 9:45 AM

Return your Product Registration Card today to get the very most from your purchase.

Registering your model with MAGNAVOX makes you eligible for all of the valuable benefits listed below, so don't miss out. Complete and return your Product Registration Card at once to ensure:

*Proof of Purchase
Returning the enclosed card guarantees that your date of purchase will be on file, so no additional paperwork will be required from you to obtain warranty service.

*Product Safety Notification
By registering your product, you'll receive notification - directly from the manufacturer - in the rare case of a product recall or safety defect.

*Additional Benefits of Product Ownership
Registering your product guarantees that you'll receive all of the privileges to which you're entitled, including special money-saving offers.

MAGNAVOX

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

Dear MAGNAVOX product owner:

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.

As a member of the MAGNAVOX "family," you're entitled to protection by one of the most comprehensive warranties and outstanding service networks in the industry. What's more, your purchase guarantees you'll receive all the information and special offers for which you qualify, plus easy access to accessories from our convenient home shopping network.

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*

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

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.usasupport.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.
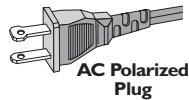
AC Polarized Plug

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.**

EL 6475-E005: 04/01

This warning label is located on the rear panel 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 OLET ALTTIINANAKYMATTOMAALLE LASERSATEILYLLE. ALA KATSO SATEESEEN.
VARNING!	OSYNLIG LASERSTRÅLNING NÄR DENNA DEL ÄR ÖPPNAD. OCH SPARREN AR URKOPPLAD. BETRAKTA EJ STRÅLEN.

or

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

The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on apparatus.

WARNING

To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture.

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

The set complies with the FCC-Rules, Part 15 and with 21 CFR 1040.10.

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'emet 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.

Class II equipment symbol
This symbol indicates that the unit has a double insulation system

Language Code

Abkhazian	6566	Inupiaq	7375	Pushto	8083
Afar	6565	Irish	7165	Russian	8285
Afrikaans	6570	Íslenska	7383	Quechua	8185
Amharic	6577	Italiano	7384	Raeto-Romance	8277
Arabic	6582	Ivrit	7269	Romanian	8279
Armenian	7289	Japanese	7465	Rundi	8278
Assamese	6583	Javanese	7486	Samoan	8377
Avestan	6569	Kalaallisut	7576	Sango	8371
Aymara	6589	Kannada	7578	Sanskrit	8365
Azerhaijani	6590	Kashmiri	7583	Sardinian	8367
Bahasa Melayu	7783	Kazakh	7575	Serbian	8382
Bashkir	6665	Kernewek	7587	Shona	8378
Belarusian	6669	Khmer	7577	Shqip	8381
Bengali	6678	Kinyarwanda	8287	Sindhi	8368
Bihari	6672	Kirghiz	7589	Sinhalese	8373
Bislama	6673	Komi	7586	Slovensky	8373
Bokmål, Norwegian	7866	Korean	7579	Slovenian	8376
Bosanski	6683	Kuanyama; Kwanyama	7574	Somali	8379
Brezhoneg	6682	Kurdish	7585	Sotho; Southern	8384
Bulgarian	6671	Lao	7679	South Ndebele	7882
Burmese	7789	Latina	7665	Sundanese	8385
Castellano, Español	6983	Latvian	7686	Suomi	7073
Catalán	6765	Letzeburgesch;	7666	Swahili	8387
Chamorro	6772	Limburgan; Limburger	7673	Swati	8383
Chechen	6769	Lingala	7678	Svenska	8386
Chewa; Chichewa; Nyanja	7889	Lithuanian	7684	Tagalog	8476
中文	9072	Luxembourgish;	7666	Tahitian	8489
Chuang; Zhuang	9065	Macedonian	7775	Tajik	8471
Church Slavic; Slavonic	6785	Malagasy	7771	Tamil	8465
Chuvash	6786	Magyar	7285	Tatar	8484
Corsican	6779	Malayalam	7776	Telugu	8469
Česky	6783	Maltese	7784	Thai	8472
Dansk	6865	Manx	7186	Tibetan	6679
Deutsch	6869	Maori	7773	Tigrinya	8473
Dzongkha	6890	Marathi	7782	Tonga (Tonga Islands)	8479
English	6978	Marshallese	7772	Tsonga	8483
Esperanto	6979	Moldavian	7779	Tswana	8478
Estonian	6984	Mongolian	7778	Türkçe	8482
Euskara	6985	Nauru	7865	Turkmen	8475
Ελληνικά	6976	Navaho; Navajo	7886	Twi	8487
Faroese	7079	Ndebele, North	7868	Uighur	8571
Français	7082	Ndebele, South	7882	Ukrainian	8575
Frysk	7089	Ndonga	7871	Urdu	8582
Fijian	7074	Nederlands	7876	Uzbek	8590
Gaelic; Scottish Gaelic	7168	Nepali	7869	Vietnamese	8673
Gallegan	7176	Norsk	7879	Volapuk	8679
Georgian	7565	Northern Sami	8369	Walloon	8765
Gikuyu; Kikuyu	7573	North Ndebele	7868	Welsh	6789
Guarani	7178	Norwegian Nynorsk;	7878	Wolof	8779
Gujarati	7185	Occitan; Provencal	7967	Xhosa	8872
Hausa	7265	Old Bulgarian; Old Slavonic	6785	Yiddish	8973
Herero	7290	Oriya	7982	Yoruba	8979
Hindi	7273	Oromo	7977	Zulu	9085
Hiri Motu	7279	Ossetian; Ossetic	7983		
Hrwatski	6779	Pali	8073		
Ido	7379	Panjabi	8065		
Interlingua (International)	7365	Persian	7065		
Interlingue	7365	Polski	8076		
Inuktitut	7385	Português	8084		

General Information

Environmental Information

All unnecessary packaging has been omitted. The packaging has been made easy to separate into three materials: cardboard (box), polystyrene foam (buffer) and polyethylene (bags, protective foam sheet).

Your DVD player 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.

Laser safety

This unit employs a laser. Due to possible eye injury, only a qualified service person should remove the cover or attempt to service this device.

**NOTE:
PICTURES SHOWN MAY BE DIFFERENT BETWEEN COUNTRIES.**

**CAUTION
(WARNING LOCATION: ON THE BACKPLATE OF THE SET)**

NEVER MAKE OR CHANGE CONNECTIONS WITH THE POWER SWITCHED ON.

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.

For Customer Use:

Read carefully the information located at the rear of your DVD Player and enter below the Serial No. Retain this information for future reference.

Model No. MDV460
Serial No. _____

LASER	
Type	Semiconductor laser GaAIAs
Wave length	650 nm (DVD)
	780 nm (VCD/CD)
Output Power	7 mW (DVD)
	10 mW (VCD/CD)
Beam divergence	60 degree

Index

English

Français

Español

Due to the inconsistency of disc formats provided by various disc manufacturers, your DVD system may require a playability enhancement or upgrade. As DVD technology advances, these enhancements will become common and will be easy to complete.

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 ejecucción de métodos que no sean los aquí descritos puede ocasionar peligro de exposición a radiación.

'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.'
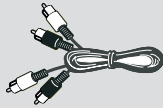
7

Contents

8

Contents
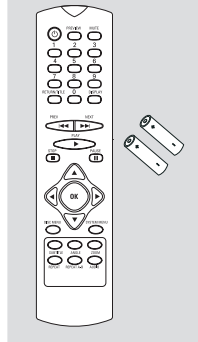
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Introduction

Supplied accessories

Video cable
(yellow)

Audio cable
(white, red)

Remote Control
and
two AAA batteries

Care and safety information

● **Power consumption**
– When the system is switched to
Standby mode, it is still consuming power.
To disconnect the system from the power
supply completely, remove the AC power
plug from the wall jack.

● **Avoid high temperatures, moisture,
water and dust**
– Do not expose the player, batteries or
discs to humidity, rain, sand or excessive
heat (caused by heating equipment or
direct sunlight.)

● **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 Player in an
enclosed cabinet, allow about 10 cm (4
inches) of free space all around the player
for adequate ventilation.
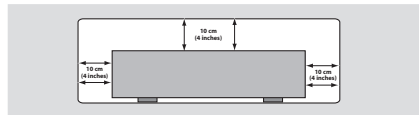
● **Care of the cabinet**
– Use a soft cloth slightly moistened with
a mild detergent solution. Do not use a
solution containing alcohol, spirits,
ammonia or abrasives.

● **Finding a suitable location**
– Place the player on a flat, hard, and
stable surface.

● **Disc handling**
– To clean a CD, wipe it in a
straight line from the center
towards the edge using a soft,
lint-free cloth. A cleaning
agent may damage the disc!
– Write only on the printed
side of a CDR(W) and only with a soft felt-
tipped pen.
– Handle the disc by its edge, do not
touch the surface.

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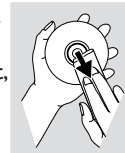
Connecting TV
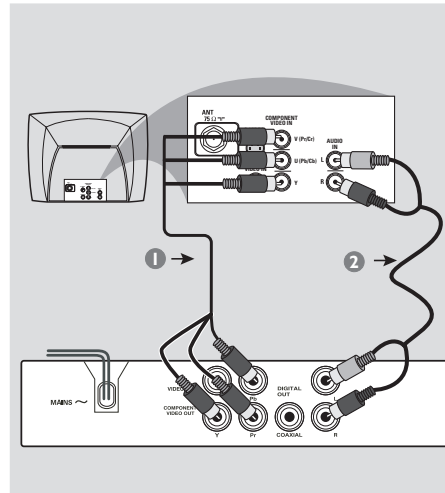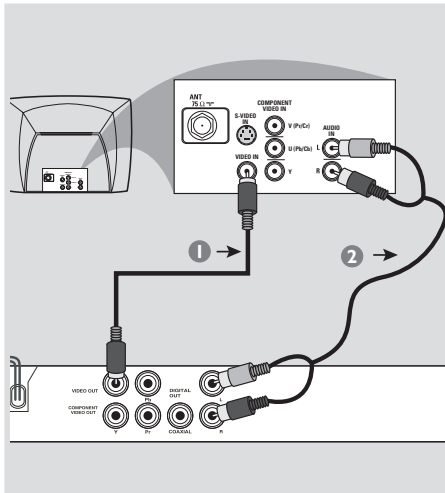
IMPORTANT!
– You only need to make <u>one</u> video connection from the following options, depending on the capabilities of your TV system.
– Connect the DVD Player directly to the TV.

Using Composite Video jacks (CVBS)

1 Use the composite video cable (yellow) to connect the DVD Player's CVBS (VIDEO) jack to the video input jack (or labeled as A/V In, Video In, Composite or Baseband) on the TV *(cable supplied)*.

2 To hear the sound of this DVD Player through your TV, use the audio cables (white/red) to connect AUDIO OUT (L/R) jacks of the DVD Player to the corresponding AUDIO IN jacks on the TV *(cable supplied)*.

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 the component video cables (red/blue/green) to connect the DVD system's **Y Pb Pr** jacks to the corresponding Component video input jacks (or labeled as Y Pb Pr) on the TV *(cable not supplied)*.

2 To hear the sound of this DVD Player through your TV, use the audio cables (white/red) to connect AUDIO OUT (L/R) jacks of the DVD Player to the corresponding AUDIO IN jacks on the TV *(cable supplied)*.

3

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Connections

Connecting the power cord

RF coaxial cable to TV

Back of RF Modulator
(example only)

INT IN   TO TV   VIDEO   AUDIO IN
                  IN   R   L

CH3 CH4

Antenna or
Cable TV signal

VIDEO OUT   DIGITAL
                  OUT

COMPONENT
VIDEO OUT

Y   Pr   COAXIAL   R

MAINS ~

VIDEO OUT   DIGITAL   L
                  OUT

COMPONENT
VIDEO OUT

Y   Pr   COAXIAL   R

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

Using an accessory RF modulator

❶ Use the composite video cable (yellow) to
connect the DVD Player's **CVBS** jack to
the video input jack on the RF modulator.

❷ Use the RF coaxial cable (not supplied) to
connect the RF modulator to your TV's
RF jack.

**After everything is connected
properly, plug in the AC power cord
to the power outlet.**
Never make or change any connections
with the power switched on.

When no disc is loaded, **press
STANDBY ON on the DVD Player
front panel,**
**"NO DISC" may appear on the
display panel.**

NO DISC   PLAY/PAUSE STOP PREV

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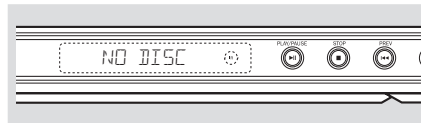
Optional: Connecting to an Audio System

Optional: Connecting Digital AV Receiver
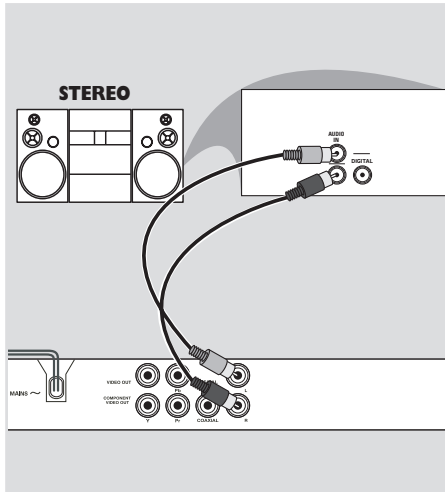
Stereo system has Dolby Pro Logic or Right / Left Audio In jack

1 Select one of the video connections (CVBS VIDEO IN, COMPONENT VIDEO IN) depending on the options available on your TV.

2 Use the audio cables (white/red) to connect **AUDIO OUT (L/R)** jacks of the DVD Player to the corresponding AUDIO IN jacks on the stereo system *(cable supplied)*.
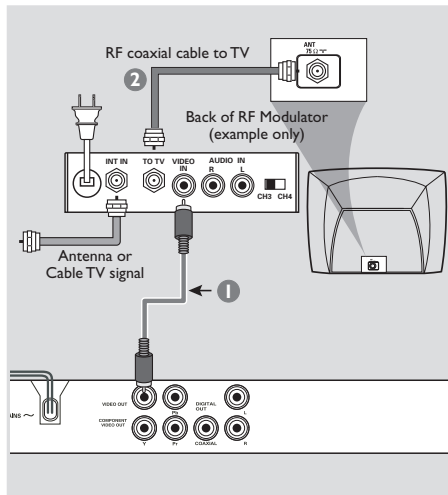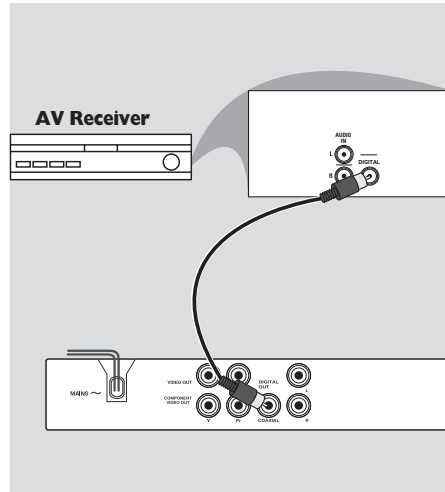
Receiver has a PCM, Dolby Digital, or MPEG2 decoder

1 Select one of the video connections (CVBS VIDEO IN, COMPONENT VIDEO IN) depending on the options available on your TV.

2 Connect the COAXIAL jack of the DVD Player to the corresponding Digital Audio In jack on your Receiver *(cable not supplied)*.

3 Set the DVD Player's Digital Output to PCM-ONLY or ALL depending on the capabilities of your Receiver *(see page 26 "Digital Output")*.

Helpful Hint:
– If the audio format of the Digital Output does not match the capabilities of your receiver, the receiver will produce a strong, distorted sound or no sound at all.

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Functional Overview

Front and Rear Panels

STANDBY-ON ⏻
– To switch the DVD Player to Standby mode or ON

Disc tray

OPEN/CLOSE ⏏
– Open/Close the disc tray

Display
– Shows the current status of the DVD Player

▶▶⏐ **NEXT**
– To select next chapter or track

PREV ⏐◀◀
– To select previous chapter or track

■ **STOP**
– To stop playback

▶⏸ **PLAY/PAUSE**
– To start or interrupt playback

IR Sensor
– Point the remote control towards this sensor

Mains (AC Power Cord)
– Connect to a standard AC outlet

CVBS (VIDEO Out)
– Connect to CVBS Video input of a TV

YPbPr (Component Video Out)
– Connect to YPbPr input of a TV

Audio Out (Left/Right)
– Connect to AUDIO inputs of an amplifier, receiver or stereo system

COAXIAL (Digital audio out)
– Connect to coaxial AUDIO input of a digital audio equipment

Caution: Do not touch the inner pins of the jacks on the rear panel. Electrostatic discharge may cause permanent damage to the unit.

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Functional Overview

Remote Control

POWER ⏻
– To switch the DVD player to standby mode or ON

0-9 numerical key pad
– Selects numbered items in a menu

RETURN/TITLE
– To go back to previous menu/show title menu

– To select previous chapter or track

PLAY (►)
– To start playback

STOP (■)
– To stop playback

OK
– Acknowledge menu selection

DISC MENU
– Enters or exits the disc contents menu
– Switches on or off the playback control mode (for VCD version 2.0 only)

REPEAT
– Selects various repeat modes

REPEAT (A-B)
– Repeats playback a specific section on a disc

AUDIO
– To access audio language system menu

PREVIEW
– Not applicable for this model.

MUTE
– Disables or enables sound output

DISPLAY
– Displays information on TV screen during playback

►►
– To select next chapter or track

PAUSE (II)
– To pause playback temporarily / frame-by-frame playback

◄ ► ▲ ▼
– Selects an item in the menu/ fast forward/backward, slow forward/backward

SYSTEM MENU
– Access or exit DVD Player's system menu

SUBTITLE
– To access subtitle language system menu

ANGLE
– Selects a DVD camera angle

ZOOM
– Enlarge a picture on the TV screen

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Getting Started

Step 1: Inserting batteries into the Remote Control

❶ Open the battery compartment.

❷ Insert two batteries type R03 or AAA, following the indications (＋ －) inside the compartment.

❸ Close the cover.

Using the Remote Control to operate the Player

❶ Aim the Remote Control directly at the remote sensor (IR) on the front panel.

❷ Do not put any objects between the Remote Control and the DVD Player while operating the DVD Player.

CAUTION!
– Remove batteries if they are exhausted or if the Remote Control is not being used for a long time.
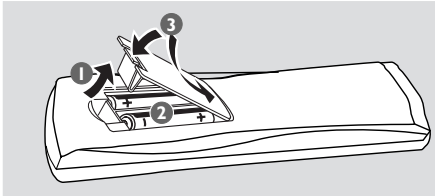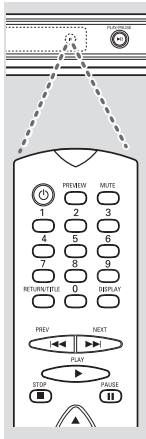**– Do not use old and new or different types of batteries in combination.**
– Batteries contain chemical substances, so they should be disposed properly.

Step 2: Setting up the TV

IMPORTANT!
Make sure you have completed all the necessary connections. (See pages 11-12 "Connecting TV").

❶ Turn on the TV and set to the correct video-in channel. You should see the DVD background screen on the TV.

❷ Usually these channels are 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.

❸ If you are using external equipment, (eg. audio system or receiver), turn it on and select the appropriate input source for the DVD Player output. Refer to the equipment owner's manual for detail.

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MDV460/17_1

Getting Started

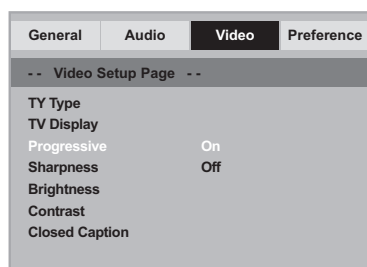## Setting up Progressive Scan feature (for Progressive Scan TV only)

The progressive scan display twice the number of frames per seconds than interlaced scanning (ordinary normal TV system). With nearly double the number of lines, progressive scan offers higher picture resolution and quality.

IMPORTANT!
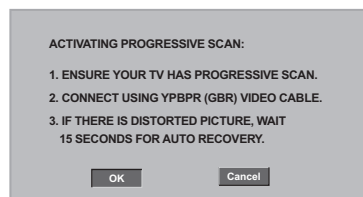**Before enabling the progressive scan feature, you must ensure:**
1) Your TV can accept progressive signals, a progressive scan TV is required.
2) You have connected the DVD player to your TV using Y Pb Pr (see page 11.)

1 Turn on your TV.

2 Turn off your TV progressive scan mode or turn on interlaced mode (refer to your TV user manual.)

3 Press **POWER** on the remote control to turn on the DVD player.

4 Select the correct Video Input channel. (See page 16).
➜ The DVD background screen appears on the TV.

5 Press **SYSTEM MENU**.

6 Press ▶ repeatedly to select {VIDEO SETUP PAGE}.

General	Audio	**Video**	Preference

- - Video Setup Page - -

TY Type	
TV Display	
Progressive	On
Sharpness	Off
Brightness	
Contrast	
Closed Caption	

7 Select {PROGRESSIVE} to {ON}, then **OK** to confirm.
➜ The instruction menu appears on the TV.

ACTIVATING PROGRESSIVE SCAN:

1. ENSURE YOUR TV HAS PROGRESSIVE SCAN.
2. CONNECT USING YPBPR (GBR) VIDEO CABLE.
3. IF THERE IS DISTORTED PICTURE, WAIT 15 SECONDS FOR AUTO RECOVERY.

OK   Cancel

8 Press ◀ to highlight OK in the menu and press **OK** to confirm.

There will be a distorted picture on your TV at this state until you turn on the progressive scan mode on your TV.

9 Turn on your TV progressive scan mode (refer to your TV user manual.)
➜ The below menu appears on the TV.

CONFIRM AGAIN TO USE PROGRESSIVE SCAN. IF THE PICTURE IS GOOD, PRESS OK BUTTON ON REMOTE

OK   Cancel
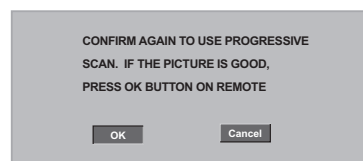
10 Press ◀ to highlight OK in the menu and press **OK** to confirm.
➜ The set up is complete now and you can start enjoy the high quality picture.

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

17

Getting Started

To deactivate Progressive manually

● **When the distorted picture still appears on the TV,** it may be due to the connected TV does not accept progressive signals, and progressive is set by mistake. You must reset the unit to interlace format.

➊ **Turn off** your TV progressive scan mode or turn on to interlaced mode (refer to your TV user manual.)

➋ Press **OPEN/CLOSE** on the DVD player to open the disc tray.

➌ Press **numeric keypad '1'** on the remote control for few seconds.
→ The DVD blue background screen will appear on the TV.

Selecting the colour system that corresponds to your TV

This DVD Player is compatible with both NTSC and PAL. In order for a DVD disc to play on this Player, the colour system of the Disc, the TV and the DVD Player should match.

General	Audio	**Video**	Preference

- - Video Setup Page - -

TV Type	PAL
TV Display	Multi
Progressive	NTSC
Sharpness	
Brightness	
Contrast	
Closed Caption	

➊ Press **SYSTEM MENU**.

➋ Press ▶ repeatedly to select {VIDEO SETUP PAGE}.

➌ Press ▲ ▼ to highlight {TV TYPE}, then press ▶.

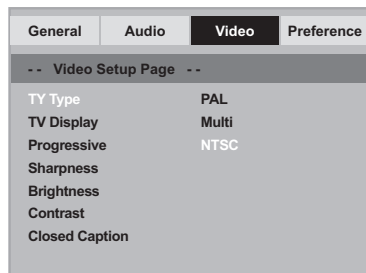➍ Press ▲ ▼ to highlight one of the options below:

PAL – Select this if the connected TV is PAL system. It will change the video signal of a NTSC disc and output in PAL format.

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

Multi – 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.

➎ Select an item and press **OK**.

Helpful Hints:
– Before changing the current TV Standard setting, ensure that your TV supports the 'selected TV Type' system.
– If there is no proper picture on your TV, wait for 15 seconds for auto recovery.
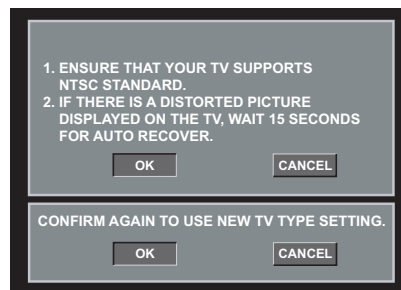
> 1. ENSURE THAT YOUR TV SUPPORTS NTSC STANDARD.
> 2. IF THERE IS A DISTORTED PICTURE DISPLAYED ON THE TV, WAIT 15 SECONDS FOR AUTO RECOVER.
>
> | OK | CANCEL |
> |---|---|
>
> CONFIRM AGAIN TO USE NEW TV TYPE SETTING.
>
> | OK | CANCEL |
> |---|---|

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

18

Step 3: Setting language preference

You can select your preferred language settings. This DVD Player will automatically switch to the language for you whenever you load a disc.

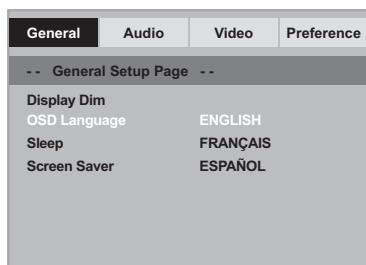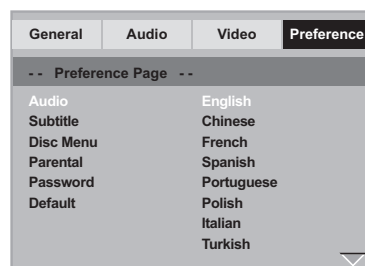### Setting the OSD Language

The On-screen language for the system menu will remain as you set it, regardless of various disc languages.

General	Audio	Video	Preference
- - General Setup Page - -			
Display Dim			
OSD Language		ENGLISH	
Sleep		FRANÇAIS	
Screen Saver		ESPAÑOL	

❶ Press **SYSTEM MENU**.

❷ Press ▶ to select {GENERAL SETUP PAGE}.

❸ Press ▲ ▼ to highlight {OSD LANGUAGE}, then press ▶.

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

Setting the Audio, Subtitle and Disc menu language

You can choose your own preferred language or soundtrack from audio, subtitles and disc menu languages. If the language selected is not available on the disc, the disc's default language will be used instead.

General	Audio	Video	Preference
- - Preference Page - -			
Audio		English	
Subtitle		Chinese	
Disc Menu		French	
Parental		Spanish	
Password		Portuguese	
Default		Polish	
		Italian	
		Turkish	

❶ Press **STOP** twice then, press **SYSTEM MENU**.

❷ Press ▶ repeatedly to select {PREFERENCE PAGE}.

❸ Press ▲ ▼ 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)

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

If the language you want is not in the list, then select {OTHERS}**,** then use the **numeric keypad (0-9)** on the remote to enter the 4-digit language code 'XXXX' (see page 5 "Language Code") and press **OK**.

❺ Repeat steps ❸~❹ for other language settings.

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

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Disc Operations

IMPORTANT!
– If the inhibit icon (ø) 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.
– Depending on the DVD or VIDEO CD, some operations may be different or restricted.
– Do not push on the disc tray or put any objects other than disc on the disc tray. Doing so may cause the disc player malfunction.

Playable Discs

Your DVD Player will play:
– Digital Versatile Discs (DVDs)
– Video CDs (VCDs)
– Super Video CDs (SVCDs)
– Digital Video Discs + Recordable[Rewritable] (DVD+R[W])
– Compact Discs (CDs)
– MP3 discs, picture (Kodak, JPEG) files on CD-R(W).
  – JPEG/ISO 9660 format
  – Maximum 30 characters display.
  – Supported sampling frequencies :
    32 kHz, 44.1 kHz, 48 kHz (MPEG-1)
    16 kHz, 22.05 kHz, 24 kHz (MPEG-2)
  – Supported Bit-rates : 32~256 kbps (MPEG-1), 8~160 kbps (MPEG-2) variable bitrates

Region Codes

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

Helpful Hints:
– It may not be possible to play CD-R/RW or DVD-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. Improper formatted disc will not play on this DVD Player.

Playing discs

❶ Connect the power cords of the DVD Player and TV (and any optional stereo or AV receiver) to a power outlet.

❷ Turn on the TV power and set to the correct Video In channel. (See page **16** "Setting up the TV").

❸ Press **STANDBY-ON** on the DVD Player front panel.
→ You should see the DVD background screen on the TV.

❹ Press **OPEN/CLOSE ⏏** button to open the disc tray and load in a disc, then press the same button again to close the disc tray.
→ Make sure the label side is facing up. For double-sided discs, load the side you want to play facing up.

❺ Playback will start automatically. If not press **PLAY ▶**.
→ If a disc menu appears on the TV, see page 22 "Using the Disc Menu".

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

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Basic playback controls

Unless otherwise stated, all operations described are based on Remote Control use.

Pausing playback

❶ During playback, press **PAUSE II**.
→ Playback will pause and sound will be muted.

❷ To resume normal playback, press **PLAY ►**.

Selecting track/chapter

❶ Press **►►I / I◄◄** briefly during playback to go to the next chapter/track or to return to the beginning of the current chapter/track respectively.

❷ To go directly to any chapter/track, enter the chapter/track number using the numerical keys (0-9).
(e.g. single number of chapter/track with digit '0' in front, for example '06')

● For DVD
→ Press I◄◄ twice briefly to step back to the previous chapter/track.

● For VCD
→ It cannot work when PBC is set to 'ON'.

Searching backward/forward

❶ Press **◄ ►** during playback to select the required speed: 2X, 4X, 8X, 16X or 32X (backward or forward).
→ Sound will be muted (DVD/VCD) or intermittent (CD).

❷ To return to normal speed, press **PLAY ►**.

Stopping playback

● Press ■ .

Selecting various repeat/shuffle functions

Repeat play mode

● Press **REPEAT** continuously to choose a Repeat mode during playback.

CHAPTER (DVD)
– to repeat playback of the current chapter.

TRACK/TITLE (SVCD/VCD/DVD)
– to repeat playback of the current track (CD/SVCD/VCD)/title (DVD).

ALL
– to repeat playback of the disc.

OFF
– to cancel the repeat mode.

● Press **REPEAT** repeatedly to cancel the repeat mode.

Helpful Hint:
– REPEAT function is not available for VCD 2.0 when PCB is on.

Repeating a section within a chapter/track

❶ While playing a disc, press **REPEAT A-B** at your chosen starting point.

❷ Press **REPEAT A-B** again at your chosen end point.
→ The section A and B can be set only within the same chapter/track.
→ The section will now repeat continuously.

❸ To exit the sequence, press **REPEAT A-B**.

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

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Disc Operations

Operations for video playback (DVD/VCD/SVCD)

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

To access or remove the menu
● Press **DISC MENU** on the remote.

Zooming in

This function allows you to enlarge the picture on the TV screen and to pan through the enlarged picture.

❶ During playback, press **ZOOM** repeatedly to display the picture with different scales.
→ Use ◄ ► ▲ ▼ keys to pan through the enlarged picture.
→ Playback will continue.

❷ Press **ZOOM** repeatedly to return to the original size.

Resuming playback from the last stopped point

● In stop mode and when the disc has not been ejected, press **PLAY** ►.

To cancel resume mode
● In stop mode, press **STOP** ■ again.

Helpful Hint:
– Resume option may not be available on some discs.

OSD (On-Screen Display)

This function displays disc information on the TV screen during playback.

❶ During playback, press **DISPLAY** repeatedly.
→ A list of available disc information appears on the TV screen.

❷ Use ◄ ► keys to select an option.

❸ Enter hours, minutes and seconds from left to right in the time edit box using remote control numerical key pad.
→ Playback will change to the chosen time or to the selected title/chapter/track.

For DVD
→ {Title CT/TT Chapter XX/TC}: displays the total available title and chapters in the disc and enable to select a chapter for viewing.
→ {Title CT/TT Time X:XX:XX}: displays the total available title in the disc and enable to select the hour, minute and second of the title.
→ {Chapter CC/TC Time X:XX:XX}: displays the total available chapter in the disc and enable to select the hour, minute and second of the title.

For Super VCD or VCD
→ {Disc Go To XX:XX}: enable to select any part within the disc.
→ {Track Go To XX:XX}: enable to select any part within the current track.
→ {Select Track XX/TT}: enable to select any track.

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Special DVD Features

Playing a Title

❶ Press **DISC MENU**.
→ The disc menu appears on the TV screen.

❷ Use ▲ ▼ ◄ ► keys or **numeric keypad (0-9)** to select a play option.

❸ Press **OK** key to confirm.

Camera Angle

● Press **ANGLE** repeatedly to select different desired angle.

Changing the Audio Language

For DVD

● Press **AUDIO** repeatedly to select different audio languages.

Changing the Audio Channel

For VCD

● Press **AUDIO** to select the available audio channels provided by the disc (MONO LEFT, MONO RIGHT, MIX-MONO, STEREO).

Subtitles

● Press **SUBTITLE** repeatedly to select different subtitle languages.

Special VCD & SVCD Features

Playback Control (PBC)

For VCD with Playback Control (PBC) feature (version 2.0 only)

● Press **DISC MENU** to toggle between 'PBC ON' and 'PBC OFF'.
→ If you select 'PBC ON', the disc menu (if available) will appear on the TV.
→ Use the I◄◄ / ►►I or the numeric keypad (0-9) to select a play option.

● During playback, pressing **RETURN/ TITLE** will return to the menu screen (if PBC is on).

If you want to skip the index menu and playback directly from the beginning,

● Press **DISC MENU** key on the remote control to switch to PBC off.

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

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Disc Operations

Playing MP3/JPEG (Kodak) Picture CD

IMPORTANT!
You have to turn on your TV and set to the correct Video In channel. (See page 16 "Setting up the TV").

● Load a Picture disc (Kodak Picture CD, JPEG).
➜ For Kodak disc, the slide show will begin.
➜ For JPEG disc, the picture menu appears on the TV screen. Press **PLAY** ▶ to start the slide-show playback.

General Operation

❶ Load an MP3/JPEG Picture CD disc.
➜ The data disc menu appears on the TV screen.

❷ Press ▲ ▼ to select the folder and press **OK** to open the folder.

```
00:00  04:52   128Kbps   ▶
002/020
─────────────────────────────
    \ Coco Lee \
─────────────────────────────
    --
MP3  Coco  -  Before
MP3  Coco  -  I love
MP3  Coco  -  Jazz
MP3  Coco  -  Hot spring
MP3  Coco  -  I believe
```

❸ Press ▲ ▼ or use the numeric keypad (0-9) to highlight an option.

❹ Press **OK** to confirm.
➜ Playback will start from the selected file to the end of the folder.

Playback selection

During playback, you can;
● Press |◀◀ / ▶▶| to select another track/ file in the current folder.

● Press Ⅱ / ▶ repeatedly to pause/resume playback.

Repeat

● Press **REPEAT** continuously to access different 'Play Mode'.
➜ SHUFFLE: all files in the current folder being played at random order.
➜ SINGLE: play the selected file once, then return to the menu.
➜ REPEAT ONE: keep a JPEG image still on the screen or play an MP3 file repeatedly.
➜ REPEAT ALL: play all files in the selected folder repeatedly.
➜ REPEAT OFF: to cancel the repeat mode.

Fast forward / reverse (MP3)

● During playback, press ◀ ▶ to fast forward or reverse playback.

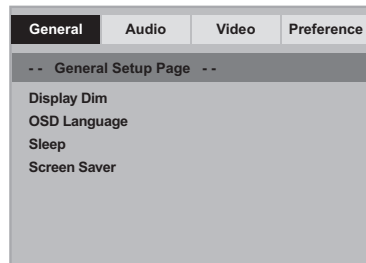● To resume normal playback, press **PLAY** ▶.

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

24

DVD Setup Menu Options

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

General Setup menu

1 In disc mode, press **SYSTEM MENU**.

2 Press ◀ ▶ to select 'General Setup' icon.

3 Press **OK** to confirm.

General	Audio	Video	Preference

- - General Setup Page - -

Display Dim
OSD Language
Sleep
Screen Saver

Dimming player's display panel

You can select different levels of brightness for the display screen.

1 In 'GENERAL SETUP PAGE', press ▲ ▼ to highlight {DISPLAY DIM}, then press ▶.

100%
Select this for full brightness.

70%
Select this for medium brightness.

40%
Select this for dimming the display.

2 Press ▲ ▼ to select a setting, then press **OK** to confirm your selection.

OSD Language

This menu contains various language options for display language on the screen. For details, see page 19.

Sleep

Sleep function allows you to turn off the DVD Player automatically after a preset time.

1 In 'GENERAL SETUP PAGE', press ▲ ▼ to highlight {SLEEP}, then press ▶.

15 Mins
Turn off the DVD Player after 15 minutes.

30 Mins
Turn off the DVD Player after 30 minutes.

45 Mins
Turn off the DVD Player after 45 minutes.

60 Mins
Turn off the DVD Player after 60 minutes.

OFF
Turn off the sleep function.

2 Press ▲ ▼ to select a setting, then press **OK** to confirm your selection.

Screen Saver - turning on/off

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

1 In 'GENERAL SETUP PAGE', press ▲ ▼ to highlight {SCREEN SAVER}, then press ▶.

ON
Select this if you wish to turn off the TV screen when disc playback is stopped or paused for more than 5 minutes.

OFF
Select this to disable the screen saver function.

2 Press ▲ ▼ to select a setting, then press **OK** to confirm your selection.

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

DVD Setup Menu Options

Audio Setup Menu

❶ In disc mode, press **SYSTEM MENU**.

❷ Press ◀ ▶ to select 'Audio Setup' icon.

❸ Press **OK** to confirm.

General	Audio	Video	Preference

- - Speaker Setup Page - -

Downmix
Digital Audio

Setting the Downmix

This options allows you to set the stereo analog output of your DVD Player.

❶ In 'AUDIO SETUP PAGE', press ▲ ▼ to highlight {DOWNMIX}, then press ▶.

STEREO
Select this to change channel output to stereo which delivers sound from only the two front speakers.

LT/RT
Select this option if your DVD Player is connected to a Dolby Pro-Logic decoder.

❷ Press ▲ ▼ to select a setting, then press **OK** to confirm your selection.

Digital Audio Setup

The options included in Digital Audio Setup are: 'Digital Output' and 'LPCM'.

❶ In 'AUDIO SETUP PAGE', press ▲ ▼ to highlight {DIGITAL AUDIO}, then press ▶.

❷ Press the ▲ ▼ keys to highlight an option.

❸ Enter its submenu by pressing ▶.

❹ Move the cursor by pressing the ▲ ▼ keys to highlight the selected item.

Digital Output
Set the Digital output according to your optional audio equipment connection.

➜ **SPDIF Off**: Turn off the digital output.

➜ **All**: If you have connected your DIGITAL AUDIO OUT to a multi-channel decoder/receiver.

➜ **PCM Only**: Only if your receiver is not capable of decoding multi-channel audio.

Helpful Hints:
– If DIGITAL OUTPUT is set to 'All', all audio settings except MUTE are invalid.

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

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DVD Setup Menu Options

LPCM Output

If you connect the DVD Player to a PCM compatible receiver via the digital terminals, such as coaxial or optical etc, you may need to adjust 'LPCM'.
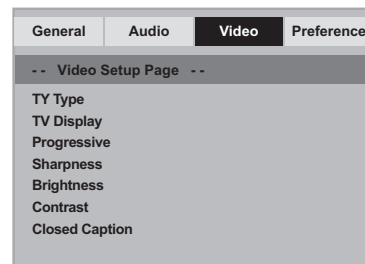Discs are recorded at a certain sampling rate. The higher the sampling rate, the better the sound quality.

➜ **48kHz**: Playback a disc recorded at the sampling rate of 48kHz.
➜ **96kHz**: Playback a disc recorded at the sampling rate of 96kHz.

Video Setup Menu

❶ In disc mode, press **SYSTEM MENU**.
❷ Press ◀ ▶ to select 'Video Setup' icon.
❸ Press **OK** to confirm.

General	Audio	Video	Preference

-- Video Setup Page --

TY Type
TV Display
Progressive
Sharpness
Brightness
Contrast
Closed Caption

TV Type

This menu contains the options for selecting the colour system that matches the connected TV. For details, see page 18.

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

27

DVD Setup Menu Options

Setting the TV Display

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 'VIDEO SETUP PAGE', press ▲▼ to highlight {TV DISPLAY}, then press ▶.

2 Press ▲ ▼ to highlight one of the options below:

4:3 PAN SCAN –
Select this if you have a normal TV and want both sides of the picture to be trimmed or formatted to fit your TV screen.
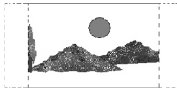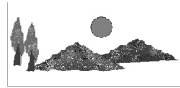
4:3 LETTER BOX –
Select this if you have a normal TV. In this case, a wide picture with black bands on the upper and lower portions of the TV screen will be displayed.

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

3 Select an item and press **OK**.

Progressive - turning on/off

In the progressive scan mode, you can enjoy the high quality picture with less flickers. It only works when you have connected the DVD player's Y Pb Pr jacks to your TV that supports the progressive video input. Otherwise, the a distorted picture will appear on the TV. For proper progressive scan set up, see page 17.

1 In 'VIDEO SETUP PAGE', press ▲ ▼ to highlight {PROGRESSIVE}, then press ▶.

OFF
To disable Progressive Scan function.

ON
To enable Progressive Scan function.

2 Press ▲ ▼ to select a setting, then press **OK** to confirm your selection.
➜ Follow the instructions shown on the TV to confirm the selection (if any).
➜ If a distorted picture appears on the TV screen, wait for 15 seconds for auto recovery.

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

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DVD Setup Menu Options

Sharpness

You can personalize your picture colour by adjusting sharpness.

❶ In 'VIDEO SETUP PAGE', press ▲ ▼ to highlight {SHARPNESS}, then press ▶.

HIGH
Choose high to make the picture's edge sharper.

MEDIUM
Choose medium to get a standard picture.

LOW
Choose low to make the picture's edge softer.

❷ Press ▲ ▼ to select a setting, then press **OK** to confirm your selection.

Brightness / Contrast

Increasing the value will brighten the picture or vice versa. Choose zero (0) for average setting.

❶ In 'VIDEO SETUP PAGE', press ▲ ▼ to highlight {BRIGHTNESS} or {CONTRAST}, then press ▶.
➜ The menu appears.

Brightness	0

Contrast	0

❷ Press ◄ ► to adjust the setting that best suit your personal preference.

❸ Press **OK** to confirm.

TIPS: To return to the previous menu, press ◄.
To remove the menu, press **SYSTEM MENU**.

29

DVD Setup Menu Options

Closed Captions

Closed captions are data that are hidden in the video signal of some discs. Captions are different from subtitles because captions hearing are impaired by showing the sound effects (e.g., "phone ringing" and "footsteps"), while subtitles do not. Before you select this function, please ensure that the disc contains closed captions information and your TV set also has this function.

A In 'VIDEO SETUP PAGE', press ▲ ▼ to highlight {CLOSED CAPTION}, then press ▶.

ON
Select this to activate the closed caption feature.

OFF
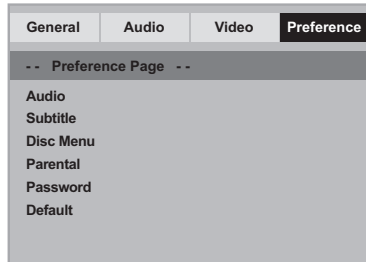Select this deactivate the feature.

B Press ▲ ▼ to select a setting, then press **OK** to confirm your selection.

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

DVD Setup Menu Options

Preference Page

❶ Press ■ twice to stop playback (if any), then press **SYSTEM MENU**.

❷ Press ◄ ► to select the 'Preference Page' icon.

❸ Press **OK** to confirm.

General	Audio	Video	Preference

- - Preference Page - -

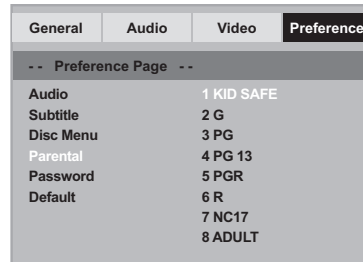Audio
Subtitle
Disc Menu
Parental
Password
Default

Audio, Subtitle, Disc Menu

These menus contain various language options for audio, subtitle and disc menu which may be recorded on the DVD. For details, see page 19.

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 playing of certain discs that are not suitable for your children or have certain discs played with alternative scenes.

❶ In 'PREFERENCE PAGE', press ▲▼ to highlight {PARENTAL}, then press ►.

General	Audio	Video	Preference

- - Preference Page - -

Audio	1 KID SAFE
Subtitle	2 G
Disc Menu	3 PG
Parental	4 PG 13
Password	5 PGR
Default	6 R
	7 NC17
	8 ADULT

❷ Press ▲▼ to highlight a rating level for the disc inserted and press **OK**.
➜ To disable Parental controls and have all Discs play, select {8 ADULT}.

❸ Use the **numeric keypad (0-9)** to enter the six-digit password (see page 32 "Changing the password").
➜ DVDs that are rated above the level you selected will not play unless you enter your six-digit password.

Helpful Hints:
– VCD, SVCD, CD have no level indication, so parental control function has no effect on these type of discs. This applies to most illegal DVD discs.
– 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 work for such Discs.


TIPS:	To return to the previous menu, press ◄.
	To remove the menu, press **SYSTEM MENU**.

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DVD Setup Menu Options

Changing the Password

This feature is used for Parental Control. Enter your six-digit password when prompted on the screen. The default password is 136900.

➊ In 'PREFERENCE PAGE', press ▲ ▼ to highlight {PASSWORD}, then press ▶ to select {CHANGE}.

General	Audio	Video	Preference

Old Password

New Password

Confirm PWD

OK
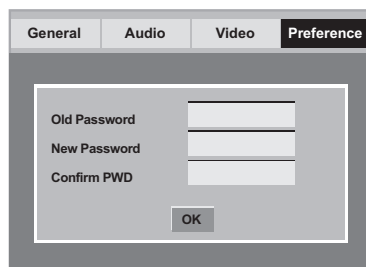
➋ Use the **numeric keypad (0-9)** to enter your old six-digit password.
→ When doing this for the first time, key in '136900'.
→ If you forget your old six-digit password, key in '136 900'.

➌ Enter the new six-digit password.

➍ Enter the new six-digit password a second time to confirm.
→ The new six-digit password will now take effect.

➎ Press **OK** to confirm.

Restoring to original settings

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

➊ In 'PREFERENCE PAGE', press ▲ ▼ to highlight {DEFAULT}, then press ▶ to select {RESET}.

➋ Press **OK** to confirm.
→ All settings will now reset to factory defaults.

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

Specifications

TV STANDARD	(PAL/50Hz)	(NTSC/60Hz)
Number of lines	625	525
Playback	Multistandard	(PAL/NTSC)

VIDEO PERFORMANCE

DA Converter	12 bit, 108 mHz
YPbPr	0.7 Vpp — 75 ohm
Video Output	1 Vpp — 75 ohm

VIDEO FORMAT

Digital Compression	MPEG 2 for DVD,SVCD
	MPEG 1 for VCD

DVD	**50Hz**	**60Hz**
Horiz. resolution	720 pixels	720 pixels
Vertical resolution	576 lines	480 lines

VCD	**50Hz**	**60Hz**
Horiz. resolution	352 pixels	352 pixels
Vertical resolution	288 lines	240 lines

AUDIO FORMAT

Digital	MPEG/ AC-3/	compressed Digital
	PCM	16, 20, 24 bits
		fs, 44.1, 48, 96 kHz
	MP3(ISO 9660)	96, 112, 128, 256
		kbps & variable
		bit rate fs, 32, 44.1,
		48 kHz

Analog Sound Stereo
Dolby Surround compatible downmix from Dolby Digital
multi-channel sound

AUDIO PERFORMANCE

DA Converter	24 bit, 192 kHz	
DVD	fs 96 kHz	4Hz- 44kHz
	fs 48 kHz	4Hz- 22kHz
SVCD	fs 48 kHz	4Hz- 22kHz
	fs 44.1kHz	4Hz- 20kHz
CD/VCD	fs 44.1kHz	4Hz- 20kHz
Signal-Noise (1kHz)		> 90 dB
Dynamic range(1kHz)		> 80 dB
Crosstalk (1kHz)		> 70 dB
Distortion/noise (1kHz)		> 70 dB
MPEG MP3	MPEG Audio L3	

CONNECTIONS

YPbPr Output	Cinch 3x
Video Output	Cinch (yellow)
Audio Output(L+R)	Cinch (white/red)
Digital Output	1 coaxial
	IEC60958 for CDDA / LPCM
	IEC61937 for MPEG 1/2,
	Dolby Digital

CABINET

Dimensions (w x h x d)	435 x 37 x 265 mm
Weight	Approximately 2.0 kg

POWER CONSUMPTION

Power Supply Rating	120V; 60Hz
Power consumption	< 10 W
Power consumption in Standby mode	< 0.8 W

Specifications subject to change without prior notice

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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, consult your dealer for help.

Problem	Solution
No power	– Check if the AC power cord is properly connected. – Press the STANDBY ON on the front of the DVD system to turn on the power.
No picture	– Refer to your TV's manual for correct Video In channel selection. Change the TV channel until you see the DVD screen. – Check if the TV is switched on. – If the progressive scan feature is activated but the connected TV does not support progressive signals or the cables are not connected accordingly, see page 18 for proper progressive scan set up or deactivate the progressive scan feature as below: 1) Turn off your TV progressive scan mode or turn on to interlaced mode. 2) Press OPEN/CLOSE to open the disc tray. 3) Press numeric keypad '1' on the remote control for few seconds.
Distorted picture	– Sometimes a small amount of picture distortion may appear depending on the disc being played back. This is not a malfunction.
Completely distorted picture or black/white picture with DVD	– Connect DVD Player directly to the TV. – Make sure the disc is compatible with the DVD/Player. – Ensure that the DVD Player's TV Type is set to match that of the Disc and your TV.
No sound or distorted sound	– Adjust the volume. – Check that the speakers are connected correctly.
No audio at digital output	– Check the digital connections. – Check if your receiver can decode MPEG-2 or DTS and if not, please make sure the digital output is set to PCM. – Check if the audio format of the selected audio language matches your receiver capabilities.

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Troubleshooting

Problem	Solution
Disc can't be played	– The DVD+R/CD-R must be finalised. – Ensure the disc label is facing up. – Check if the disc is defective by trying another disc. – Region code incorrect.
Picture freezes momentarily during playback	– Check the disc for fingerprints/scratches and clean with a soft cloth wiping from centre to edge.
No return to start-up screen when disc is removed	– Reset the unit by switching the player off, then on again.
The player does not respond to the Remote Control	– Aim the Remote Control directly at the sensor on the front of the player. – Reduce the distance to the player. – Replace the batteries in the Remote Control. – Re-insert the batteries with their polarities (+/– signs) as indicated.
Buttons do not work	– To completely reset the player, unplug the AC cord from the AC outlet for 5-10 seconds.
Player does not respond to some operating commands during playback.	– Operations may not be permitted by the disc. Refer to the instructions of the disc jacket.
DVD Player cannot read CDs/DVDs	– Use a commonly available cleaning CD/DVD to clean the lens before sending the DVD Player for repair.
Menu items cannot be selected	– Press STOP twice before selecting System Menu. – Depending on the disc availability, some menu items cannot be selected.
Unable to select Progressive Scan on/off	– Check that the output of the video signal is switch to 'YUV'.

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Glossary

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 seconds, 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).

DTS: Digital Theatre Systems. This is a surround sound system, but it is different from Dolby Digital. The formats were developed by different companies.

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 MP3 format. one CD-R or CD-RW can contain about 10 times as much data volume as a regular CD can.

Multichannel: DVD is specified to have each sound track constitute one sound field. Multichannel refers to a structure of sound tracks having three or more channels.

Parental Control: A function of the DVD to limit playback of the disc by the age of the users according to 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.

PCM (Pulse Code Modulation): A system for converting analog sound signal to digital signal for later processing, with no data compression used in conversion.

Playback control (PBC): Refers to the signal recorded on video CDs or SVCDs for controlling reproduction. By using menu screens recorded on a Video CD or SVCD that supports PBC, you can enjoy interactive-type software as well as software having a search function.

Progressive Scan: It displays all the horizontal lines of a picture at one time, as a signal frame. This system can convert the interlaced video from DVD into progressive format for connection to a progressive display. It dramatically increases the vertical resolution.

Region code: A system for allowing discs to be played back only in the region designated beforehand. 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).

Title: The longest section of a picture or music feature on DVD, music, etc., in video software, or the entire album in audio software. Each title is assigned a title number enabling you to locate the title you want.

VIDEO OUT jack: Jack on the back of the DVD System that sends video to a TV.

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MAGNAVOX LIMITED WARRANTY

Ninety (90) Days 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 the product. For a period of ninety (90) days 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
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• 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 cost associated with packaging.
• Product lost in shipment and no signature verification of receipt can be provided.
• A product used for commercial or institutional purposes (including but not limited to rental purposes).
• Product 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.

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