



OWNER'S MANUAL

MAGNAVOX

Smart. Very smart.®

9MDPF20

COLOR TV WITH BUILT-IN DVD PLAYER



NEED HELP? CALL US!

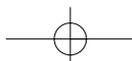
MAGNAVOX REPRESENTATIVES ARE READY TO HELP YOU WITH ANY QUESTIONS ABOUT YOUR NEW PRODUCT. WE CAN GUIDE YOU THROUGH CONNECTIONS, FIRST-TIME SETUP, AND ANY OF THE FEATURES. WE WANT YOU TO START ENJOYING YOUR NEW PRODUCT RIGHT AWAY.

**CALL US BEFORE YOU CONSIDER RETURNING THE PRODUCT.
1-800-705-2000**

OR VISIT US ON THE WEB AT WWW.MAGNAVOX.COM



IMPORTANT!
*RETURN YOUR WARRANTY REGISTRATION CARD WITHIN 10 DAYS.
SEE WHY INSIDE.*



Return your Warranty Registration card today to ensure you receive all the benefits you're entitled to.

Once your MAGNAVOX purchase is registered, you're eligible to receive all the privileges of owning a MAGNAVOX product. So complete and return the Warranty Registration Card enclosed with your purchase at once. And take advantage of these important benefits.

Warranty Verification	Owner Confirmation	Model Registration
Registering your product within 10 days confirms your right to maximum protection under the terms and conditions of your MAGNAVOX warranty.	Your completed Warranty Registration Card serves as verification of ownership in the event of product theft or loss.	Returning your Warranty Registration Card right away guarantees you'll receive all the information and special offers which you qualify for as the owner of your model.

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. And 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.

And 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. Remember, to get the most from your MAGNAVOX product, you must return your Warranty Registration Card within 10 days. So please mail it to us right now!

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 PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE.

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. _____

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

Safety and General Information 3

Safety Precautions

Warning: To prevent fire or shock hazard, do not expose this equipment to rain or moisture.

Federal Communications Commission (FCC) Warning: Any unauthorized changes or modifications to this equipment void the user's authority to operate it.

Laser Safety: This unit employs a laser. Only a qualified service person should remove the cover or attempt to service this device, due to possible eye injury.

CAUTION: USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.
CAUTION: VISIBLE AND INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCK DEFEATED. DO NOT STARE INTO BEAM. THE BEAM IS LOCATED INSIDE, NEAR THE DECK MECHANISM.

Special Information for Canadian Users: This Class B digital apparatus complies with Canadian ICES-003. Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

Radio/TV Interference: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- 1) Reorient or relocate the receiving antenna.
- 2) Increase the separation between the equipment and the receiver.
- 3) Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- 4) Consult the dealer or an experienced radio/TV technician for help.

Copyright Protection: Unauthorized copying, broadcasting, public performance and lending of Discs are prohibited. 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.

Note to the Cable TV System Installer: This reminder calls the Cable TV system installer's attention to Article 820-40 of the National Electrical Code, which provides guidelines for proper grounding – in particular, specifying that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as possible.

Declaration of Conformity

Model Number: 9MDF20
Trade Name: Magnavox
Responsible Party: Philips Consumer Electronics
P.O. Box 14810
Knoxville, TN 37914-1810
(865) 521-4316



As an ENERGY STAR® Partner, Magnavox has determined that this product meets the ENERGY STAR® guidelines for energy efficiency. ENERGY STAR® is a U.S. registered mark. Using products with the ENERGY STAR® label can save energy. Saving energy reduces air pollution and lowers utility bills.

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Introduction 5

Welcome to your TV/DVD owner's manual.

This manual describes the 9MDPF20 and explains how to use all its features.

Features - TV

- Setup menus in English, French, or Spanish
- Auto Power Off
- Automatic Channel Setup
- Remote Control
- Sleep Timer

Features - Discs

- Audio Language choices*
- Camera Angles*
- Markers
- MP3 Playback
- Parental Control*
- Paused/Fast/Slow/Step-by-Step Playback
- Program Playback
- Random Play
- Repeat, A-B Repeat
- Resume On
- Specific Time/Title/Chapter/Track Playback
- Subtitles*
- Zoom

* If available on the Disc

DVD Disc Menus...

Some explanations in this manual describe DVD Disc menus. DVD manufacturers set the menus, which vary among DVDs. All DVDs do not have menus. If the DVD has a menu, access it by pressing the DISC MENU button on the remote control.

Details are on page 23.

Setup Menus...

Some instructions explain how to use the setup menus of the TV/DVD. There are two setup menus: one for the TV features while the unit is in TV mode, and one for the Disc features while the unit is in DVD mode. Access the setup menu by pressing SETUP on the remote control.

While in TV mode, you can select only the TV SETUP menu.

In DVD mode, you can select both the TV SETUP menu and the SETUP menu for the unit's DVD Player. Press the SETUP button once to select the TV SETUP menu. Press SETUP twice to get to the DVD Player's SETUP menu.

Even if you set a DVD feature in the unit's SETUP menu, it will not be available if the current Disc does not include that feature.

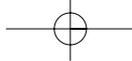
Available Disc Features...



All features described in this manual are not available on every Disc. If the feature is not available on the Disc, you cannot use the TV/DVD to make it available.

An  will appear in the top right corner of the TV screen if you try to access a feature that is not currently available.

For example, some features are available only during play, while others are available only if play is stopped. If you cannot access a feature, try stopping or starting playback, then try the feature again.



6 Playable Discs

Playable Discs

The DVD Player of this TV/DVD will play many types of Discs, including Digital Video Discs (DVDs) and Audio Compact Discs (CDs). It will play MP3 and JPEG files as well. To play a DVD, make sure it meets the requirements for Region Codes and Color Systems as described below. Discs that have the following logos will play on the DVD Player of this TV/DVD. Finalize CD-R, CD-RW, DVD+R, and DVD+RW Discs before playing them in the TV/DVD.



DVD: Prerecorded Digital Video Discs



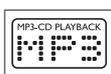
CD-R: Compact Disc Recordable. CD-Rs can be recorded on only once.



Audio CDs



DVD+R: DVD Recordable. DVD+Rs can be recorded on only once.



MP3: Digital audio files recorded on a CD-R or CD-RW



DVD+RW: DVD Rewritable. DVD+RWs can be recorded on multiple times.



CD-RW: Compact Disc Rewritable. CD-RWs can be recorded on multiple times.

Region Codes

This TV/DVD has a Region One (1) DVD Player. DVDs must be labeled for ALL regions or for Region 1 in order to play on the unit. You cannot play DVDs that are labeled for other regions. Look for the symbols below on your DVDs. If these region symbols do not appear on your DVD, you cannot play the DVD in this TV/DVD.



The number inside the globe refers to a region of the world. Region 1 represents the United States, Canada, upper regions of North America, Bermuda, the U.S. Virgin Islands, and small regions near Australia.

A DVD labelled for a specific region can only play on DVD Players with the same region code.

Color Systems

DVDs are recorded in different color systems throughout the world. The most common color systems are NTSC (which is used primarily in the United States and North America), PAL, and SECAM.

The DVD Player of this unit uses NTSC, so DVDs you play must be recorded in the NTSC system. You cannot play DVDs recorded in other formats. The color system of the DVD may be listed on the DVD or on the Disc case.

Unacceptable Discs

If you insert an unacceptable type of disc, a Disc Error message may appear on the TV screen. The following Discs will not play on this DVD Player.

- CD-ROM
- DVD-RAM
- DVD-ROM
- Super Audio CD (SACD) (The Audio CD layer of a hybrid SACD may play.)
- Compact Disc-Interactive (CD-I)
- Video Single Disc (VSD)
- DVD-Audio

Audio of the following discs might play, but video will not be accessible.

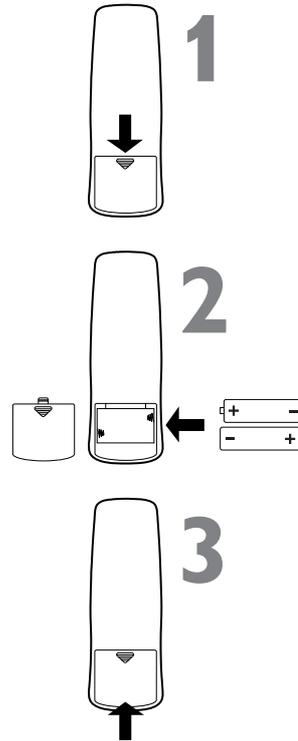
- Compact Disc-Graphic (CD-G)
- Compact Disc-Video (CD-V)



Remote Control Setup 7

Putting Batteries in the Remote Control

- 1** Remove the battery compartment lid on the bottom of the remote control by sliding the lid down and off, following the direction of the arrow on the lid.
- 2** Place two AA batteries inside the battery compartment with their + and – ends aligned as indicated.
- 3** Replace the battery compartment lid.



Recycling Guidelines/Battery Safety

- Your new product and its packaging contain materials that can be recycled and reused. Specialized companies can recycle your product to increase the amount that needs to be properly disposed. Your product uses batteries that should not be thrown away when depleted but should be disposed of as small chemical waste. Please find out about the local regulations on disposal of your old product, batteries, and packaging whenever you replace existing equipment.
- Battery Usage CAUTION - To prevent battery leakage that may result in bodily injury, property damage, or damage to the unit:
 - Install ALL batteries correctly, with the + and - markings on the battery aligned as indicated on the unit;
 - Do not mix batteries, for example, old with new or carbon with alkaline; and
 - Remove batteries when the unit will not be used for a long time.

Using the Remote Control

Point the remote control at the remote sensor on the front of the TV/DVD. *Details are on page 16.*

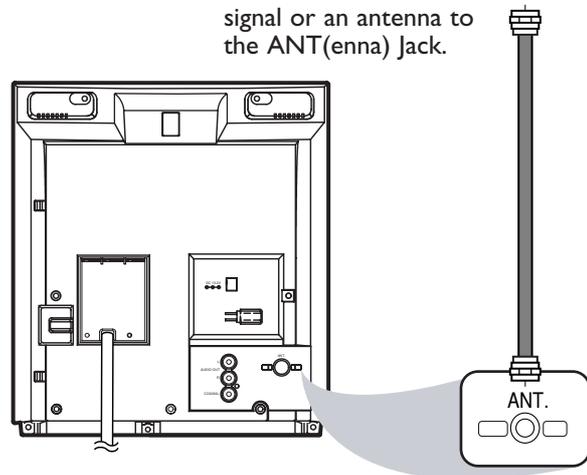
Do not put objects between the remote and the TV/DVD.

8 Hooking Up the TV/DVD

1 Hook up your TV/DVD using one of the connections shown.

A Hooking Up Your TV/DVD with a Cable TV Signal or Outdoor Antenna

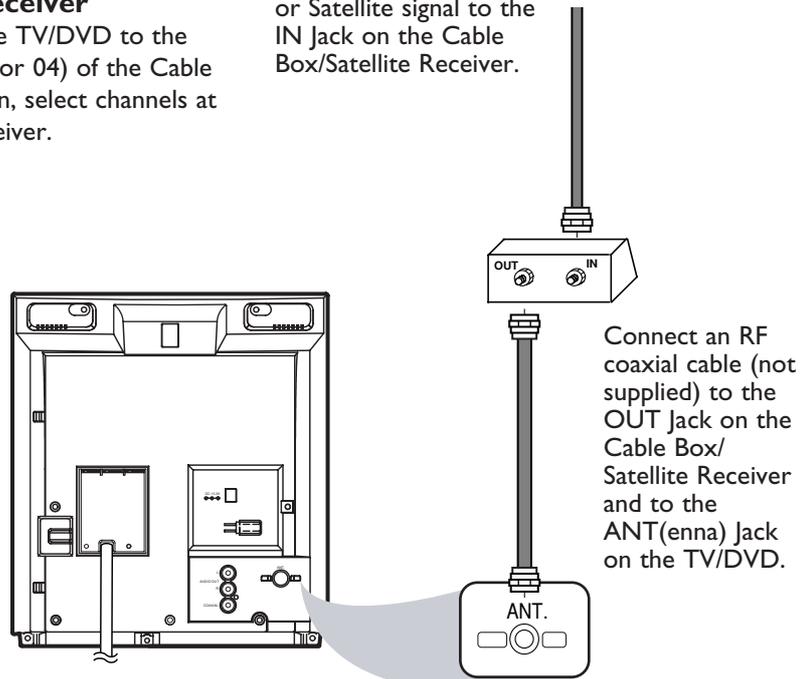
Connect a Cable TV signal or an antenna to the ANT(enna) Jack.



B Hooking Up Your TV/DVD with a Cable Box/Satellite Receiver

To view any channel, set the TV/DVD to the output channel (channel 03 or 04) of the Cable Box/Satellite Receiver. Then, select channels at the Cable Box/Satellite Receiver.

Connect the Cable TV or Satellite signal to the IN Jack on the Cable Box/Satellite Receiver.



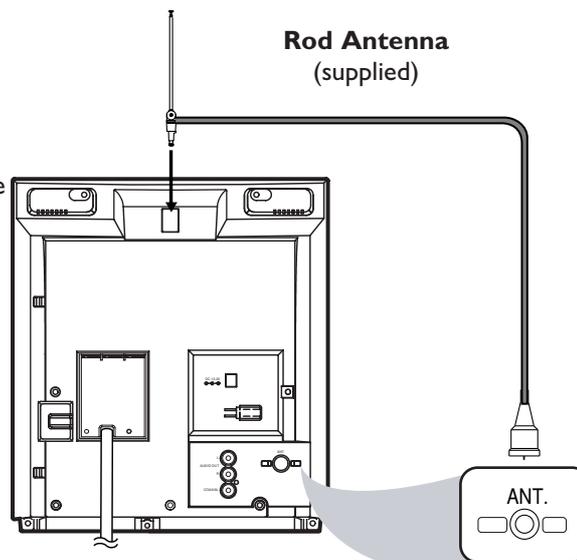
Connect an RF coaxial cable (not supplied) to the OUT Jack on the Cable Box/Satellite Receiver and to the ANT(enna) Jack on the TV/DVD.

Your Cable Box/Satellite Receiver may have Audio and Video Out jacks instead of the single Antenna Out jack (RF coaxial or 75 ohm) shown here. If so, connect Audio and Video cables to the Audio/Video Out jacks of the Cable Box/Satellite Receiver and to the AUDIO/VIDEO In jacks on the front of the TV/DVD. Press SELECT on the remote to set the TV/DVD to AUX, not channel 3 or 4. Select channels you want to watch at the Cable Box/Satellite Receiver as usual, leaving the TV/DVD on AUX.

Hooking Up the TV/DVD (cont'd) 9

C Hooking Up Your TV/DVD with the supplied Rod Antenna

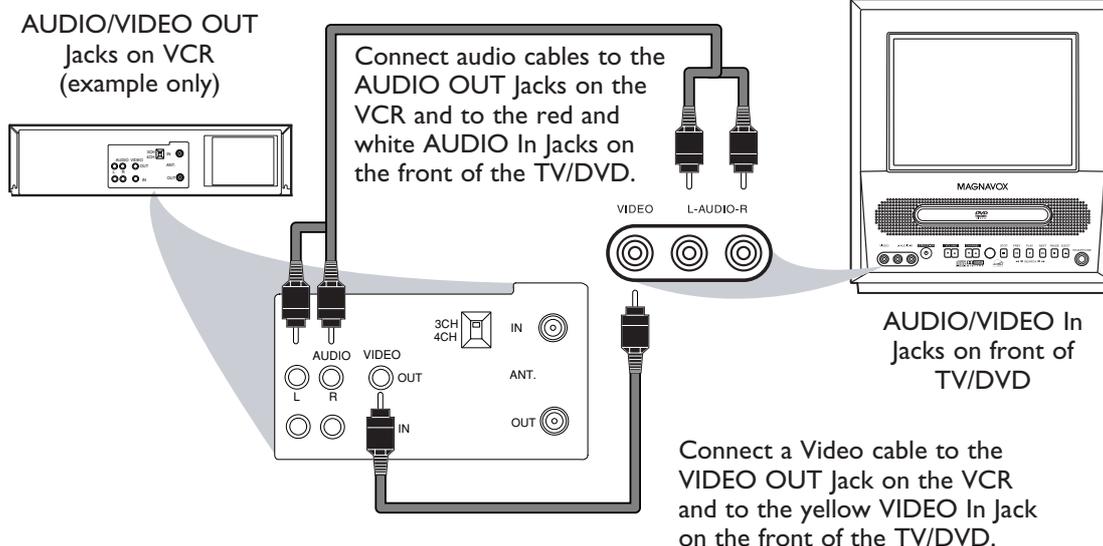
To install the supplied rod antenna, push the stem of the antenna into the antenna hole at the top on the rear of the TV/DVD. Connect the antenna wire to the ANT(enna) Jack on the rear of the TV/DVD as shown. Extend the antenna and adjust its length, direction, and angle for the clearest picture.



D Hooking Up Your TV/DVD to Another Video Source (VCR, DVD Player, Camcorder, etc.)

You may need this connection if you want to play Discs or tapes on other equipment but watch them on the TV/DVD. Press the SELECT button on the remote to choose AUX at the TV/DVD when viewing materials playing on other equipment.

Audio and video cables are not supplied.



2 When all other connections are complete, plug in the TV/DVD's power cord.

3 Before you turn on the TV/DVD, go to page 12.

10 Hooking Up the TV/DVD (cont'd)

Mobile Connections

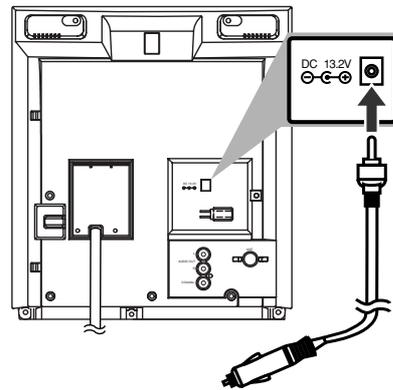
Usually, the supplied rod antenna provides adequate reception. When you want to watch TV outdoors or in a vehicle, try a mobile antenna (not supplied); or, try an indoor dipole antenna (not supplied) for better reception.

1 Connect an antenna to the ANT(enna) jack as shown at 1-C on page nine. If you do not use the supplied rod antenna, refer to the instructions with your other antenna to make a connection.

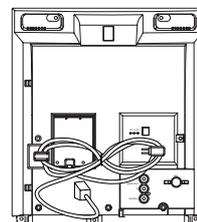
2 Make sure your vehicle has a 13.2-volt, negative ground electrical system. **Connect one end of the car battery cord to the DC 13.2V jack on the rear of the TV/DVD. Connect the other end of the car battery cord to the cigarette lighter in your vehicle.**

Use only the supplied car battery cord. Using another cord could damage the TV/DVD. Make sure you push the car battery cord's plug completely into the cigarette lighter.

Wind the unused AC power cord as shown at right.



Car Battery Cord



Fuse Replacement

If the TV/DVD does not have power when connected properly in your vehicle, replace the fuse in the car battery cord. **Use only a 6-amp, 250-volt, fast blow fuse**, which is available at an electronics retailer.

1 To remove the old fuse, unscrew the red cap from the end of the cord. Place your fingers on the grooved part of the cap and turn the cap counter-clockwise.



2 When the cap is removed, the red cap and the silver tip will be loose. The fuse will be loose inside the end of the cord.



3 Remove the old fuse and insert a new fuse.

4 Replace the red cap and the silver tip. The fuse will tighten into place as you screw on the cap, turning the cap clockwise. (The end of the fuse will fit into the silver tip, which is in the center of the red cap when tightened.)



Helpful Hints

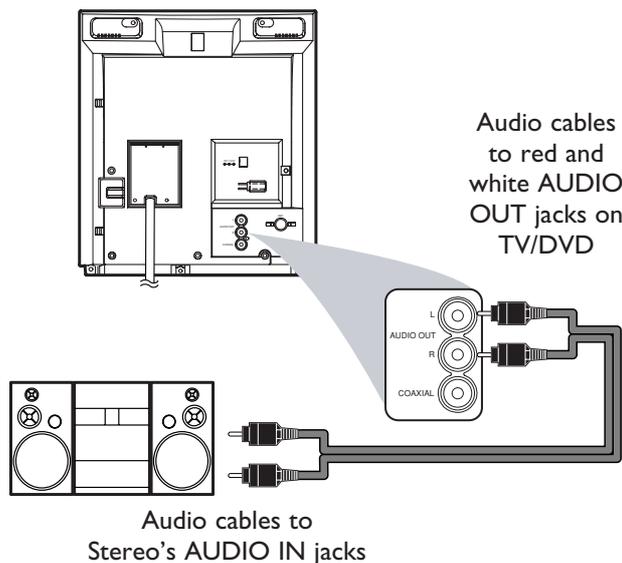
- Do not watch TV while driving.
- Make sure the cigarette lighter is free of ashes and other debris.
- Always unplug the car battery cord from the cigarette lighter before you unplug it from the TV/DVD.
- You must disconnect the car battery cord from the TV/DVD before you can use standard electrical (AC) power.
- If you use the TV/DVD with the vehicle's engine off, recharge the vehicle's battery often. Unplug the car battery cord from the cigarette lighter when you finish using the TV/DVD.
- When you use the TV/DVD with a car battery cord, noise may appear on the TV/DVD screen.
- Do not use this TV/DVD in high temperature conditions. Details are on page 49.
- Do not use this TV/DVD while driving.
- Do not leave this TV/DVD in a car.
- This TV/DVD is not designed for use in a car. We recommend you use this TV/DVD near your car.
- Do not leave the TV/DVD in direct sunlight for a long time. Sunlight may deform the cabinet.

Optional Connections 11

Analog Stereo Hookups

If you want to hear the TV/DVD sound through a stereo instead, make this connection.

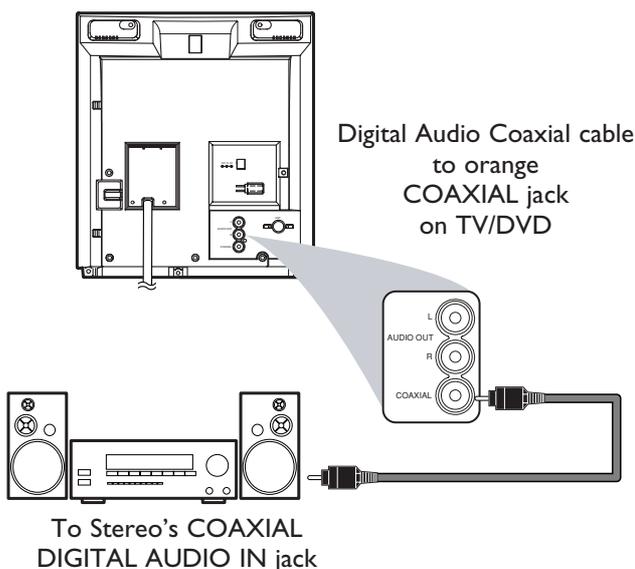
- 1 Complete the antenna/Cable TV signal connections.** Details are on pages eight - nine.
- 2 Connect red and white audio cables to the red and white AUDIO OUT jacks on the back of the TV/DVD and to the AUDIO IN jacks on the stereo.** Match the cable colors to the jack colors. Audio cables are not supplied. Use RCA-style cables.
- 3 Set your stereo to Auxiliary In or to the correct "source."** See your stereo owner's manual for details.



Digital Stereo Hookups

You can connect the TV/DVD to a Stereo that has a Digital Coaxial In jack. Use this hookup if you want to hear the TV/DVD sound through the Stereo instead. Use these connections for a Dolby Digital-compatible Stereo or for a Receiver that has a Mini-Disc or Digital Audio Tape deck.

- 1 Connect the antenna/Cable TV signal.** Details are on pages eight - nine.
- 2 Connect a digital audio coaxial cable (not supplied) to the orange COAXIAL jack on the TV/DVD.** Also connect the cable to the Stereo's COAXIAL DIGITAL AUDIO IN jack.
- 3 If the Stereo is Dolby Digital-compatible, set DOLBY DIGITAL to ON.** If the Stereo is not Dolby Digital-compatible or if you connected to a Mini-Disc or Digital Audio Tape Deck, set DOLBY DIGITAL to OFF. Details are on page 40.
An incorrect setting causes noise distortion and damages speakers.
To see if your Stereo has Dolby Digital, look for a Dolby Digital logo on your Stereo. Or, refer to the Stereo owner's manual.



Helpful Hints

- You cannot use a Mini-Disc or Digital Audio Tape deck to copy 5.1 channel Dolby Digital surround sound Discs.
- Discs recorded in Dolby Digital should show this on the Disc or case. If the Disc is not recorded in 5.1 channel Dolby Digital surround sound, you will not hear multi-channel sound even if you use the Digital Stereo hookup.

Playing a Disc 13

Before you begin, turn on the power of any equipment connected to the TV/DVD. Make sure other equipment is set to the correct channel. *Details are on page 11.*

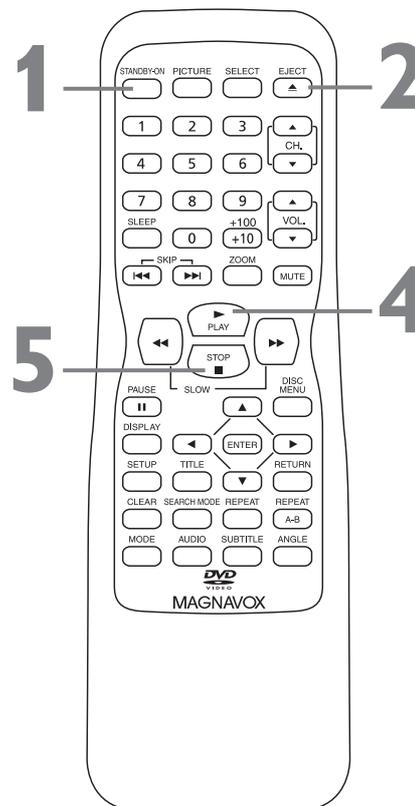
1 Press **STANDBY-ON** to turn on the TV/DVD.

2 Press **EJECT**  to open the Disc tray.

3 **Place a Disc into the tray.** If the DVD is recorded on only one side, place the Disc in the tray with the label facing up and the shiny side facing down. Some DVDs are recorded on both sides. Make sure the label of the side you want to play is facing up.

4 Press **PLAY**  to close the tray. The tray will close and play will begin. If a DVD menu appears instead, see page 23. If play does not begin, press **PLAY**  again. To play MP3 and JPEG files, *details are on page 38.* You also can close the tray by pressing **EJECT**  again.

5 Press **STOP**  to stop playback.



Helpful Hints

- An  may appear on the screen when you try to access a feature that is not currently available. This is not a problem with the TV/DVD.
- If a Disc is dirty or scratched, the picture may be distorted or play may stop. Remove the Disc and try a different one.
- Press **EJECT**  or **PLAY**  when the power is off. This turns on the unit in DVD mode (instead of the usual TV mode).
- If a Disc has multiple layers, the picture may freeze occasionally. This happens when the first layer switches to the second layer. This is not a malfunction.

Remember, only certain Discs will play.
See page six for details.

14 Remote Control Buttons

PICTURE Button

Press to access the picture controls. *Details are on page 21.*

STANDBY-ON Button (POWER)

Press to turn on or off the TV/DVD.

Number Buttons

TV Mode: Press two digits to access a specific channel. Press 0 before the number of a single digit channel.

Details are on page 12.

+100/+10 button: To select channels 100 or higher, press +100/+10, then the Number buttons of the last two digits of the channel number.

DVD Mode: Use the Number buttons to enter a Track or Chapter number.

+100/+10 button: Press before entering double-digit numbers. For example, to select Chapter 16, press +100/+10, then 1, 6.

SLEEP Button

Press to set the Sleep Timer. *Details are on page 22.*

PAUSE II Button

Press to pause DVD playback. Press repeatedly to advance the picture one frame at a time. *Details are on page 27.*

DISPLAY Button

Press to see the Disc status. *Details are on page 41.*

TITLE Button

Press to access a DVD's Title menu if available. *Details are on page 23.*

SELECT Button

Press to choose TV, AUX, or DVD mode.

When you select DVD mode using this button, press PLAY ► or EJECT ▲ to start the DVD features.

◀◀ and ▶▶ Buttons

Press ▶▶ to search forward during Disc play. Press ◀◀ to search backward during Disc play.

Details are on page 24.

STOP ■ Button

Press to stop Disc playback.

Arrow Buttons

Press to select menu items.

RETURN Button

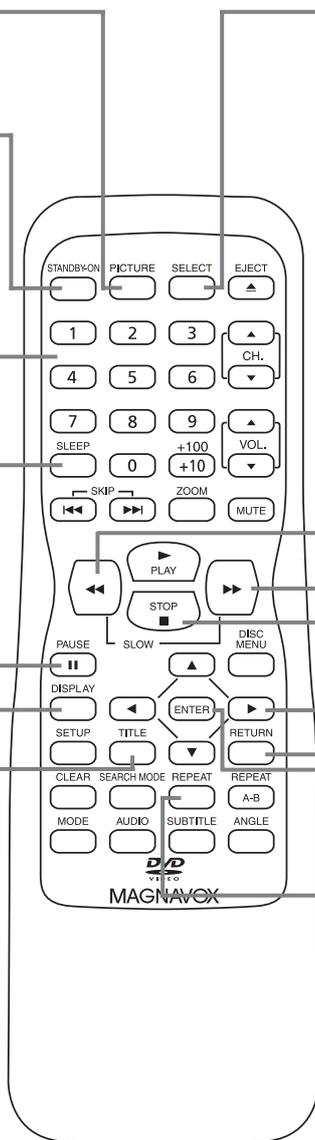
Press to remove some menus or displays.

ENTER Button

Press to adjust or accept a menu setting.

REPEAT Button

Press to play a Disc, Title, Chapter, or Track repeatedly. *Details are on page 28.*



Remote Control Buttons (cont'd) 15

EJECT ▲ Button

Press to open or close the Disc tray.

ZOOM Button

Press to enlarge the picture during DVD playback. *Details are on page 31.*

SKIP ◀◀ and ▶▶ Buttons

Press to go to other Tracks or Chapters. *Details are on page 26.*

SETUP Button

Press to access or remove the TV/DVD's menu.

CLEAR Button

Press to reset or erase a setting or wrong information.

MODE Button

Press to play a Program or to start Random play. *Details are on page 37.*

SEARCH MODE Button

Press to find a specific time, Chapter, Track, or Title on a Disc. *Details are on pages 25-26.*
Press to set up Markers. *Details are on page 29.*

CH. (channel) ▲/▼ Buttons

Press to select memorized TV channels.

Details are on pages 19-20.

VOL. (volume) ▲/▼ Buttons

Press to adjust the volume.

MUTE Button

Press to mute or restore the sound.

PLAY ▶ Button

Press to play a Disc.

Details are on page 13.

DISC MENU Button

Press to access DVD Disc menus. *Details are on page 23.*

REPEAT A-B Button

Press to set a section of a Disc to play repeatedly. *Details are on page 28.*

ANGLE Button

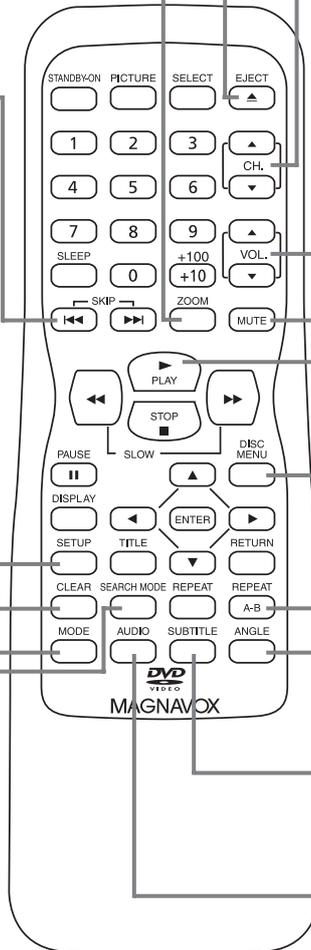
Press to change the camera angle and watch a sequence from a different perspective. *Details are on page 30.*

SUBTITLE Button

Press to select a subtitle language. *Details are on page 30.*

AUDIO Button

Press to select an audio language or sound mode. *Details are on page 36.*



16 Front Panel

Disc tray

Insert a Disc here.

PLAY ► Button

Press to start Disc playback.
Details are on page 13.

STOP ■ Button

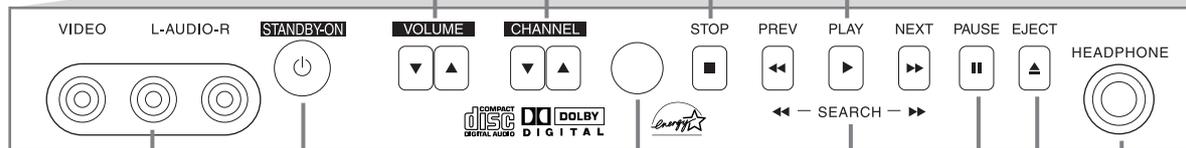
Press to stop Disc playback.
Details are on page 13.

CHANNEL ▲/▼ Buttons

Press to select TV channels.
Details are on page 12.

VOLUME ▲/▼ Buttons

Press to adjust the volume.



VIDEO and AUDIO L/R (left/right) In jacks

Use audio and video cables to connect these jacks to the Audio and Video Out jacks of a Camcorder, DVD Player, etc. This lets you watch materials playing on the other equipment when you choose AUX at the TV/DVD. Details are on page nine.

STANDBY-ON Button (POWER)

Press to turn the TV/DVD on or off.

Remote Sensor

Receives a signal from your remote control so you can operate the TV/DVD from a distance.

SEARCH/PREV/NEXT ◀◀or▶▶ Buttons

Press to go to a different Chapter or Track. Or, press and hold for two seconds for a forward or reverse search.

PAUSE || Button

Press to pause Disc play.
Details are on page 27.

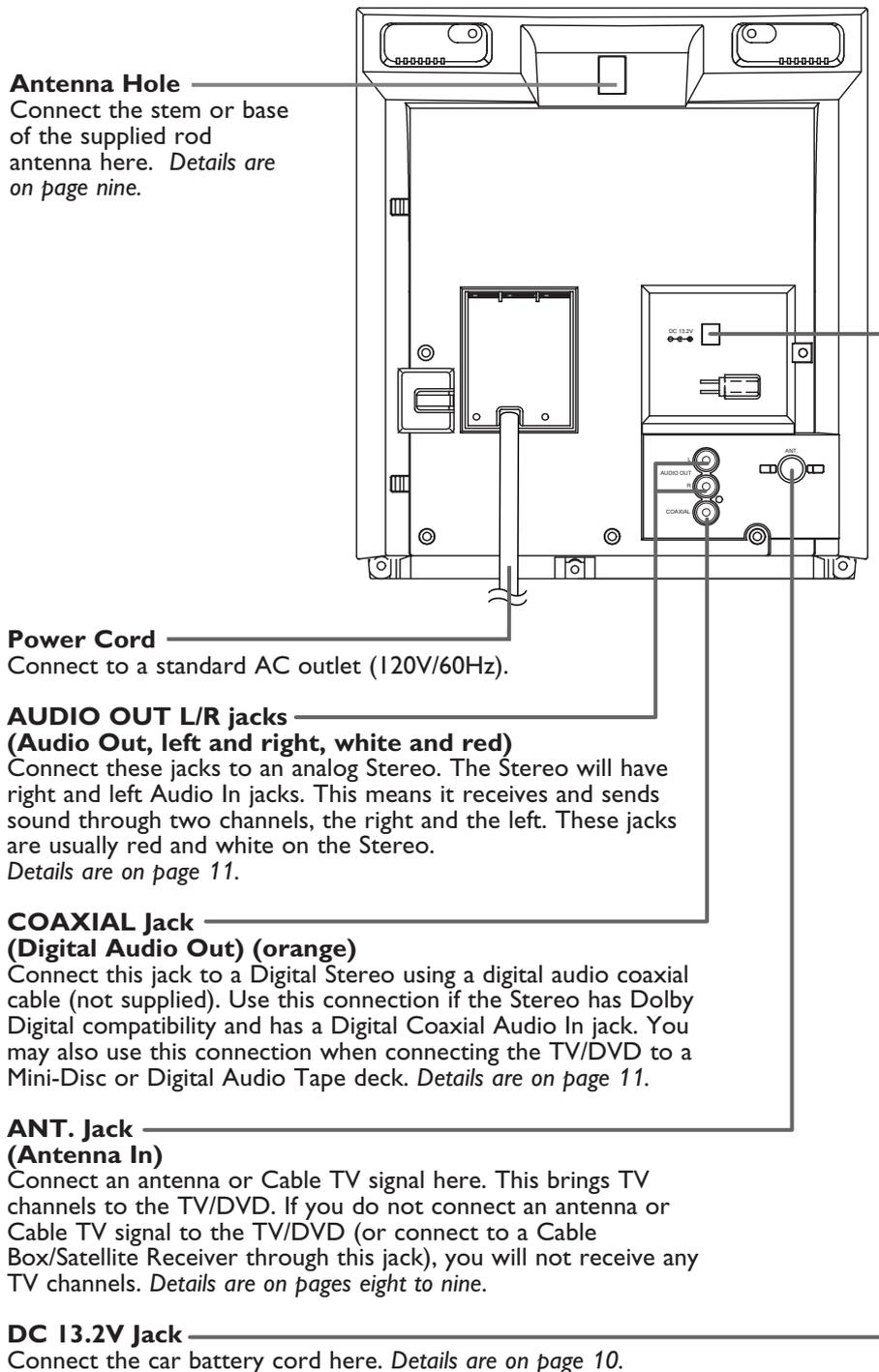
EJECT ▲ Button

Press to open or close the disc tray.
Details are on page 13.

HEADPHONE jack

Connect headphones (not supplied) here for personal listening.

Rear Panel 17



18 Menu Language

This affects the language of the TV/DVD's setup menus and on-screen display terms. It does not alter the language of TV programming or Discs.

- **Before you begin, press SELECT to put the TV/DVD in TV mode.**

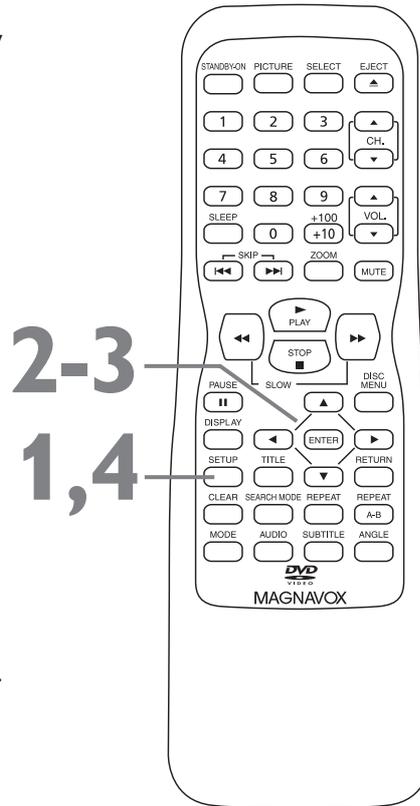
1 Press SETUP.

2 Press ▲ or ▼ to select LANGUAGE.



3 Press ENTER to select ENGLISH, ESPAÑOL, or FRANÇAIS.
The selected language will flash inside the [].
This will be the language of the TV/DVD setup menus.

4 Press SETUP to exit the menu.



Helpful Hints

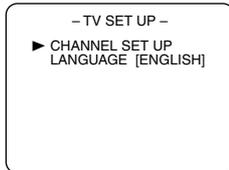
- If you accidentally select Spanish or French, press SETUP. Press ▲ or ▼ to select IDIOMA or LANGUAGE. Press ENTER to select ENGLISH. Then, press SETUP.

Resetting TV Channels 19

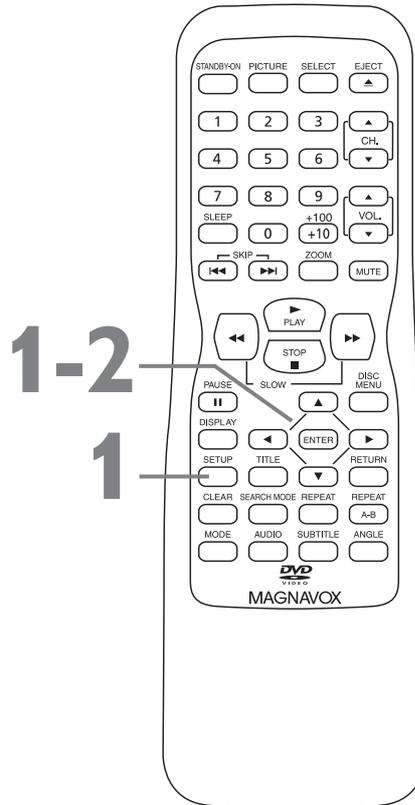
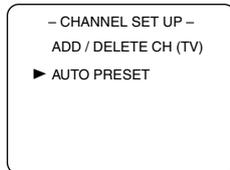
The TV/DVD may memorize channels when you turn it on the first time. You may reset channels with these steps.

- Before you begin, press **SELECT** to put the TV/DVD in TV mode.

1 Press **SETUP**. Press **▲** or **▼** to select **CHANNEL SET UP**. Then, press **ENTER**.



2 Press **▲** or **▼** to select **AUTO PRESET**. Press **ENTER**. The TV/DVD memorizes available channels. When scanning is complete, the TV/DVD will go to the lowest available channel automatically.



Helpful Hints

- The TV/DVD cannot change channels at the Cable Box or Satellite Receiver. Set the TV/DVD to channel 3 or 4 or AUX. Change channels at the Cable Box/Satellite Receiver. Details are on page eight.
- If the power fails, you may have to reset the TV channels.

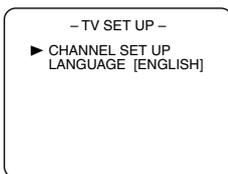
20 Adding/Deleting Channels

You can delete TV channels you no longer receive or seldom watch. Or, you can add more channels if the TV/DVD did not memorize all your favorite channels.

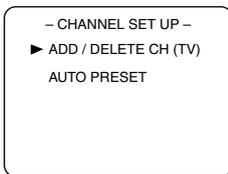
- **Before you begin, press SELECT to put the TV/DVD in TV mode.**

1 Press SETUP.

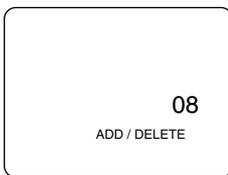
2 Press ▲ or ▼ to select CHANNEL SET UP. Then, press ENTER.



3 Press ▲ or ▼ to select ADD/DELETE CH. (TV) or (CATV) will appear beside ADD/DELETE CH. This indicates whether you connected an Antenna (TV) or a Cable TV signal (CATV) to the TV/DVD. Then, press ENTER. The menu will disappear and a TV channel will appear. The channel number will appear, along with ADD/DELETE.

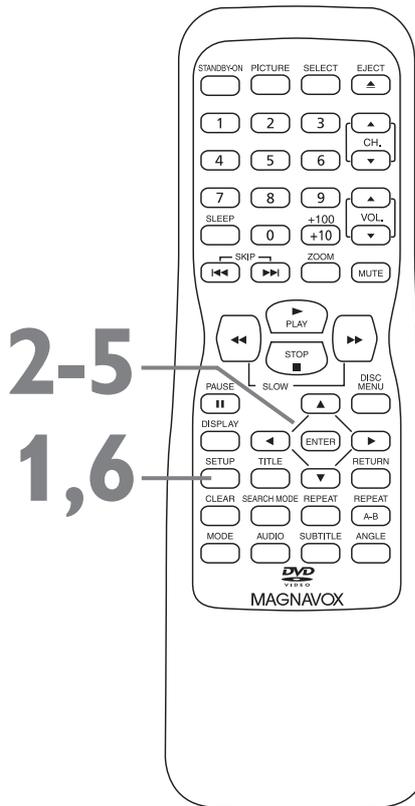


4 Press ▲ or ▼ until the channel you wish to add or delete appears. You also can use the Number buttons or the CH. ▲ or ▼ buttons to choose a channel.



5 Press ENTER to add or delete the channel. To add a channel, press ENTER so ADD and the channel number appear in light blue (teal). To delete a channel, press ENTER so DELETE and the channel number appear in light red (purple). To delete another channel, repeat steps 4-5.

6 Press SETUP when you are finished.



Helpful Hints

- To confirm that a channel has been added or deleted, press the CH. ▲ or ▼ buttons to see if you can or cannot select the channel. Only memorized/added channels can be selected with CH. ▲ or ▼. Use the Number buttons to select deleted channels.
- If you connected an Antenna to the TV/DVD, channels 2-69 will be available to add or delete. If you connected to Cable TV, channels 1-125 will be available.

Picture Control 21

The TV/DVD's picture controls – BRIGHT, SHARPNESS, TINT, COLOR, and CONTRAST – are preset to factory specifications. Although the factory settings are usually the best, you may need to make some adjustments for a natural looking image.

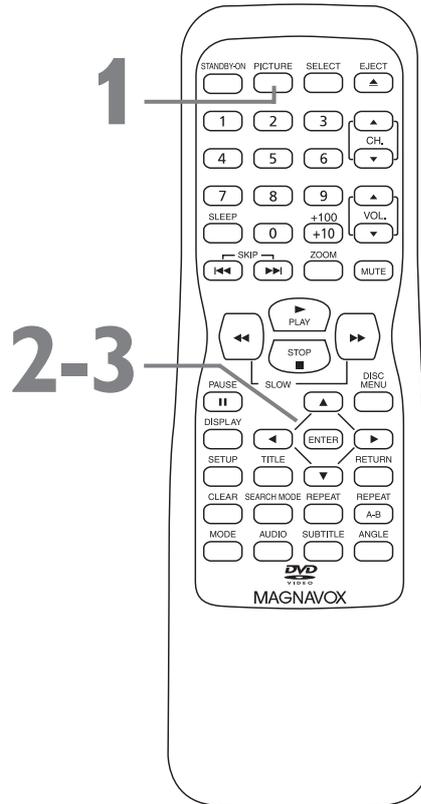
1 Press **PICTURE** so the first picture control appears.

2 Within five seconds, press **▲** or **▼** to select BRIGHT, SHARPNESS, TINT, COLOR, or CONTRAST.



3 Within five seconds, press **▶** or **◀** to adjust the item.

	◀	▶
BRIGHT	to decrease brightness	to increase brightness
SHARPNESS	to make soft	to make clear
TINT	to add purple	to add green
COLOR	to decrease color	to brighten color
CONTRAST	to decrease contrast	to increase contrast



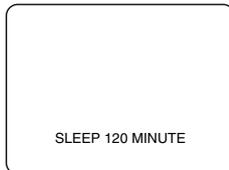
Helpful Hints

- **Degaussing:** Magnetism from nearby appliances and speakers might affect the color of the TV picture. If this happens, move the TV/DVD away from the appliance. If the color is still not correct, disconnect the TV/DVD's power cord from the AC outlet, then reconnect it after 30 minutes.
- The TV/DVD keeps the picture settings after a power failure.

22 Sleep Timer

Use the Sleep Timer to program the TV/DVD to shut off in a certain amount of time.

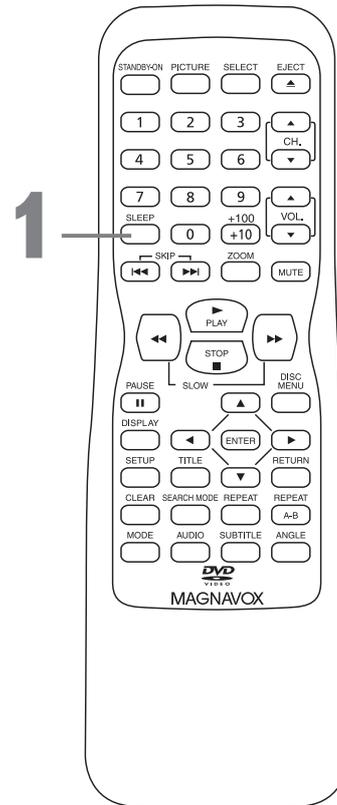
- 1 **Press SLEEP until your desired amount of time appears on the screen with SLEEP.** Each press of SLEEP will increase the time by 30 minutes. You may set a Sleep Timer of 30, 60, 90, or 120 minutes. After 10 seconds, the Sleep Timer information will disappear from the screen.



The TV/DVD will turn itself off after the selected amount of time has passed.

To Cancel the Sleep Timer

Press SLEEP until "SLEEP 0 MINUTE" appears.



Helpful Hints

- To see how much time remains before the TV/DVD turns itself off, press SLEEP once. The information will disappear in 10 seconds.
- A power failure will cancel the sleep timer.

Disc Menu, Title Menus 23

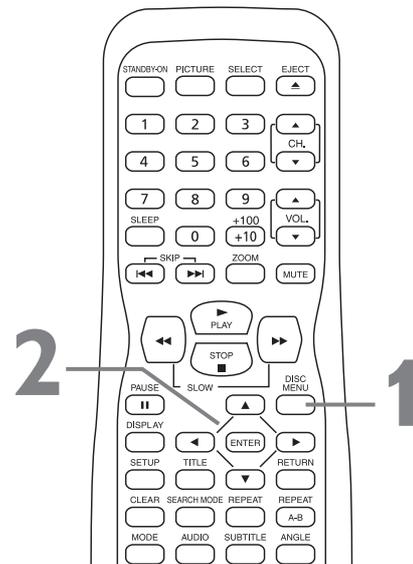
Disc Menu

Some DVDs contain menus that describe the contents of the Disc or allow you to customize Disc playback. For example, the menu may offer choices for subtitle languages, special features, or scene selection.

To use the DVD Disc menu and select features, follow these steps.

- Before you begin, press **SELECT** to put the TV/DVD in DVD mode.

- 1 Press DISC MENU.** The DVD's Disc menu will appear.
- 2 Press ▲, ▼, ◀, or ▶ to select an item, then press ENTER.** Continue this process to set up all the features you want or to start Disc playback.

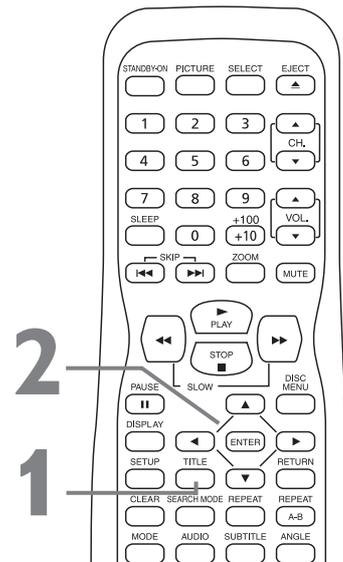


Title Menus

Some DVDs have a Title Menu, which lists the Titles available on the Disc. Use the Title Menu to play a specific Title.

- Before you begin, press **SELECT** to put the TV/DVD in DVD mode.

- 1 Press TITLE.**
The Title Menu will appear.
If a Title menu is not available, the ✕ may appear on the TV screen. If the DVD only has a main menu as described above, it may appear when you press TITLE.
- 2 Press ▲, ▼, ◀, or ▶ to select a Title, then press ENTER.** Play will begin at the Title you selected.



Helpful Hints

- Menus vary among Discs. Follow the information with the DVD.
- Not all DVDs have Title menus.
- Some DVDs may refer to Chapters as "scenes." Some DVDs may refer to the Title Menu as the "scene index."
- The TITLE button may not be active with all DVDs.

24 Fast Forward/Reverse Search

- Before you begin, press **SELECT** to put the TV/DVD in DVD mode.

1 During play, press **▶▶** or **◀◀** on the remote control.

- During DVD play, pressing **▶▶** or **◀◀** will forward or reverse the picture at two, eight, 50, or 100 times the normal playback speed.

An **◀◀ 2**, **◀◀ 8**, **◀◀ 50**, or **◀◀ 100** will appear briefly on the screen to indicate reverse searching. Or, **▶▶ 2**, **▶▶ 8**, **▶▶ 50**, or **▶▶ 100** will indicate forward searching.

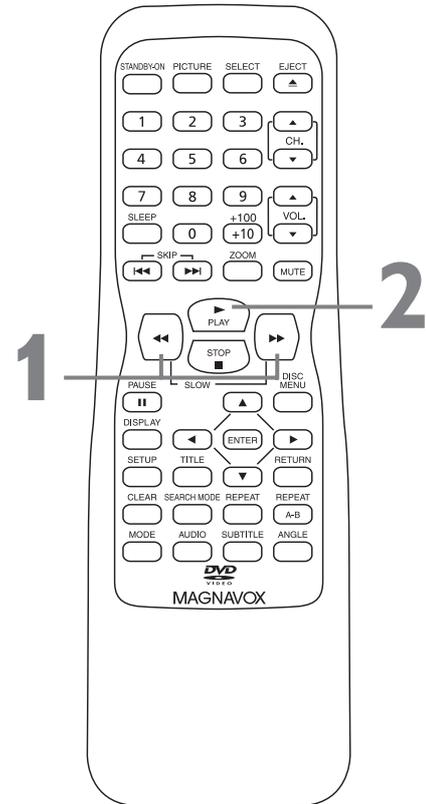
Sound will be mute during searching.



Example:
Playing a DVD in reverse at twice the normal playing speed.

- During Audio CD playback, you may search only at 16 times the normal play speed. An **◀◀ 16** or **▶▶ 16** will appear briefly on the screen. Sound will be intermittent during searching.
- During MP3 playback, you can search at only eight times the normal speed. An **◀◀ 8** or **▶▶ 8** will appear briefly on the TV.

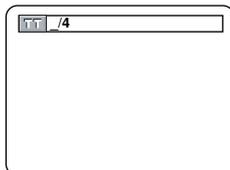
2 Press **PLAY ▶** to return to normal playback.



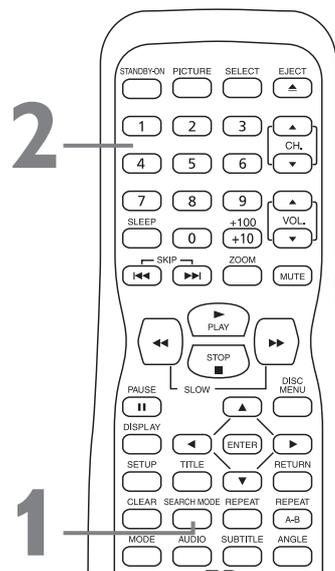
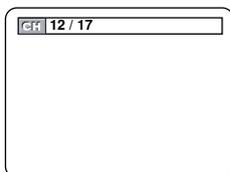
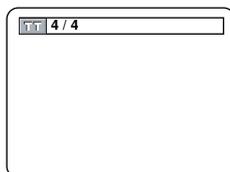
Title/Chapter Playback, Time Playback 25

Title/Chapter Playback

- 1** During DVD play, press **SEARCH MODE** until CH (for Chapter) or TT (for Title) appears on the TV screen. The number of available Titles or Chapters will appear at the right (/4, for example).

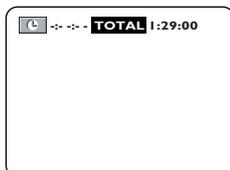


- 2** Enter the Title or Chapter number using the **Number buttons**. The selected Title or Chapter will start to play.



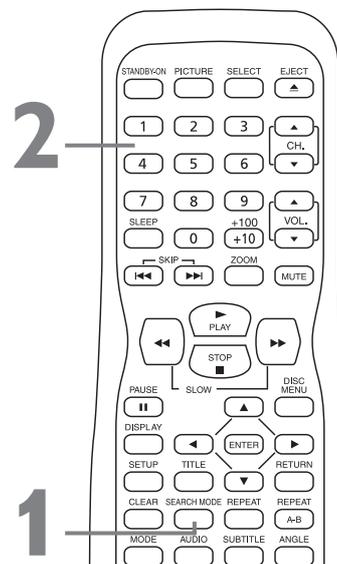
Time Playback

- 1** During DVD or Audio CD playback, press **SEARCH MODE** until the Time Search display appears.



- 2** Within 30 seconds, use the **Number buttons** to enter the elapsed playing time (of the current Track or Title) at which you want play to begin. Enter the time in hours, minutes, and seconds. Within a few seconds, play will start at the specified time.

- Example: 1 hour, 23 minutes, and 30 seconds
1 → 2 → 3 → 3 → 0
- Make sure the time you enter is within the total time of the current Title or Track. If it is not, the time space will clear and play will continue at its current point. The total time available in the current Track or Title will appear in the Time Search display.
- If you make a mistake entering the time, press CLEAR to clear the time area. Enter the correct information.



Helpful Hint

- Title/Chapter playback is not available with some DVDs.

26 Track Playback

There are three ways to play an Audio CD at a specific Track. Use the Number buttons, the SEARCH MODE button, or SKIP ◀◀ and ▶▶.

- Before you begin, press **SELECT** to put the TV/DVD in DVD mode.

A

Using the Number Buttons

Press the Number buttons to enter a Track number. Play will start at the selected Track.

For single-digit Tracks (1-9), press a single Number button. For Tracks 10 and above, press the +100/+10 button so the Search display (TR - -) appears on the TV. Press the Number button of the first digit, then press the Number button of the second digit. For example, to play Track 26, press +100/+10, then Number 2, then Number 6.

If you enter a Track number that is not available on the Disc, play will not begin (or the current Track will continue to play).

B

Using SEARCH MODE

Press **SEARCH MODE** so the Track Search display (TR _ _ /13, for example) appears. The total number of available Tracks appears at the right (/10, for example).

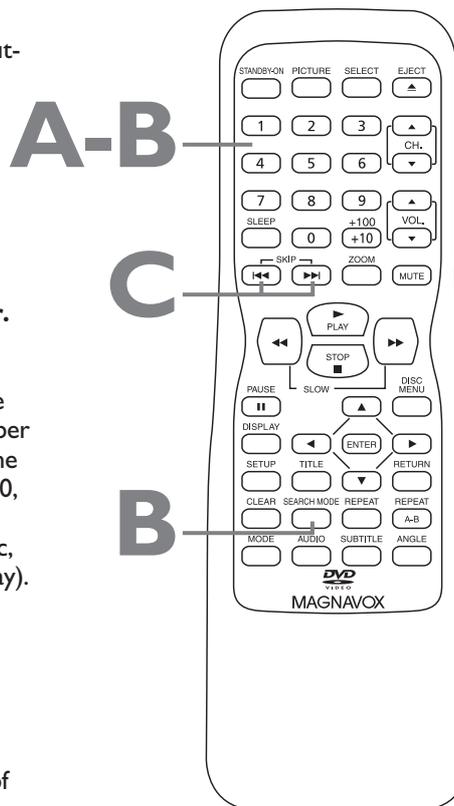
Within 30 seconds, press the Number buttons to select an available Track number. Play will begin at the selected Track. For a single-digit Track (1-9), enter a zero first. For example, to play Track 5, press 0, 5. You do not have to use the +100/+10 button in Search Mode.

C

Using SKIP ◀◀ and ▶▶

During play, press **SKIP ▶▶** to skip the current Track and move to the next Track.

During play, press **SKIP ◀◀** to return to the beginning of the current Track or press repeatedly to go to previous Tracks.



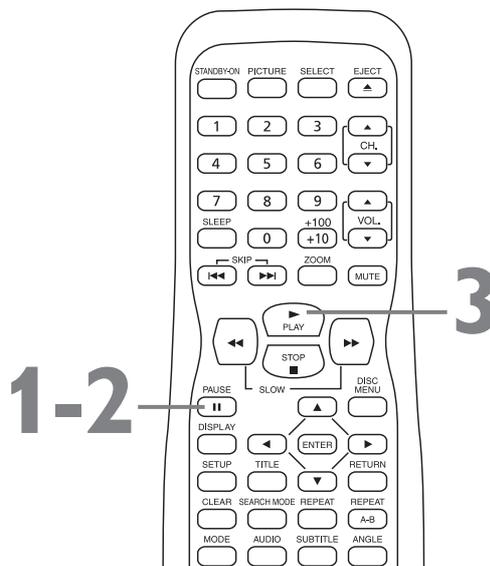
Helpful Hints

- SKIP ◀◀ and ▶▶ are not active when play is stopped.
- You cannot use SKIP ▶▶ to go from the last Track on the Disc to the first Track.

Paused and Step-by-Step Play, Resume On 27

Paused and Step-by-Step Play

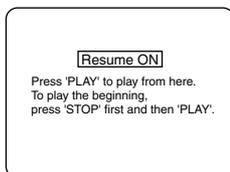
- 1** During play, press **PAUSE II**. Play will pause and the sound will be mute.
- 2** When playing a **DVD**, press **PAUSE II** repeatedly to see the picture advance one frame (or step) at a time. The sound will remain mute. Pressing PAUSE repeatedly during Audio CD, MP3, or JPEG playback will have no effect.
- 3** Press **PLAY ►** to resume play.



Resume On

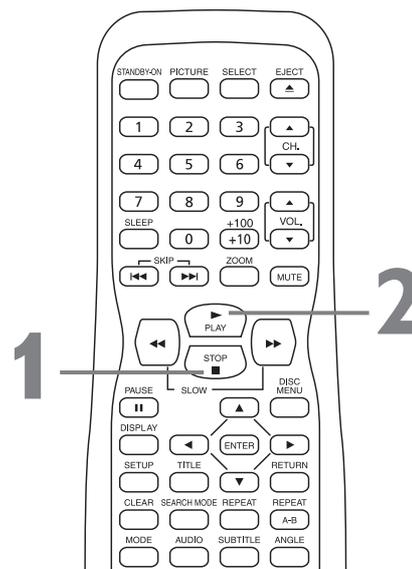
You may choose to resume play from the point at which play stopped last.

- 1** Press **STOP ■** during **DVD or Audio CD** play. In a few seconds, the following Resume message will appear on the TV screen. (The file list will appear during MP3 or JPEG playback.)



- 2** Press **PLAY ►**. In a few seconds, play will resume from the point at which it stopped last. Opening the disc tray or turning off the TV/DVD will cancel the Resume feature. Play will start at the beginning the next time you insert the Disc.

Or, to cancel Resume and start playing the Disc from the beginning, press **STOP ■** a second time while play is stopped. The Stop symbol (■) will appear briefly on the TV screen. Press **PLAY ►** to start playing the Disc from the beginning.



Helpful Hint

- Resume On is not available for MP3 files.

28 Repeat Play, A-B Repeat Play

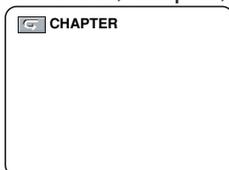
Repeat Play

- 1 During DVD or Audio CD play, press **REPEAT** until the repeat mode you want appears on the TV.

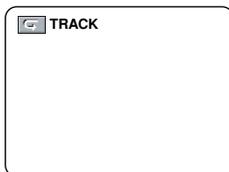
On a DVD, select CHAPTER, TITLE, or OFF.

On an Audio CD, select TRACK, ALL (all Tracks on the Disc), or OFF.

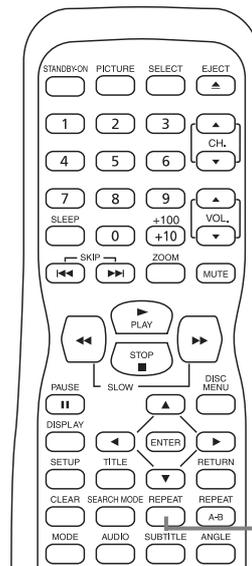
With MP3 files you can select TRACK, ALL, or GROUP (all Tracks in the current Folder). Selecting a new Track, Chapter, or Title will cancel repeat play.



Example:
Repeat a DVD Chapter



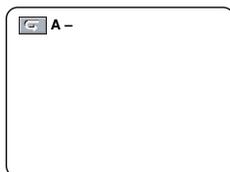
Example:
Repeat an Audio CD Track



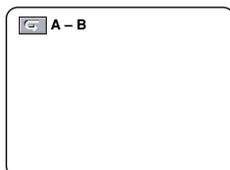
A-B Repeat Play

You can play a section of an Audio CD or DVD repeatedly. Follow these steps to set up the section that you want to play over and over.

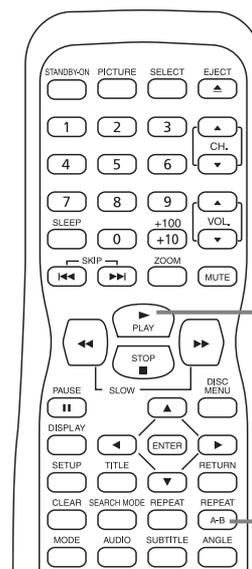
- 1 Press **PLAY** ► to play the Disc to the point at which you want repeated play to begin.
- 2 Press **REPEAT A-B** to set the starting point (A). If you make a mistake, press **CLEAR**. This will erase point A and let you start over. OFF will appear briefly on the TV screen.



- 3 Play the Disc to the point at which you want repeated play to end, then press **REPEAT A-B** again. Within a few seconds, the section will begin to play. The segment will play over and over until you cancel the A-B Repeat feature.



- 4 To cancel A-B Repeat Play, press **A-B REPEAT** so OFF appears on the TV screen. Regular Disc play will resume.



Helpful Hints

- Repeat play is not available with some Discs.
- The entire A-B Repeat section must be within a single Title or Track. If you do not enter Point B before the end of the Track or Title is reached, the end of the Track or Title will become Point B.
- Point B must be later on the Disc than Point A.

Marker 29

Use Markers to remember your favorite places on an Audio CD or DVD. To set the Markers, follow these steps.

- Before you begin, press **SELECT** to put the TV/DVD in DVD mode.

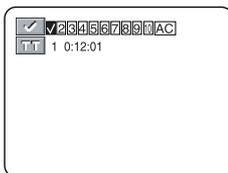
1 Play the Disc to within 30 seconds prior to the point at which you want to set the Marker. **During play, press SEARCH MODE until the Markers appear at the top of the TV screen.**



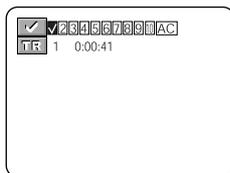
DVD example

2 Within 30 seconds, press **◀** or **▶** to select a Marker (1-10). Make sure **---** **---** **:** **---** **:** **---** appears beneath the number.

3 Let the Disc play to the point at which you want to set the Marker (up to 30 seconds away). **When the Disc reaches the point you want to remember, press ENTER.** The Title number and elapsed playing time (DVD) or Track number and its elapsed playing time (Audio CD) will appear. A checkmark will replace the Marker number. The Marker display will disappear in about 30 seconds, or press **SEARCH MODE** again to remove the Marker display.

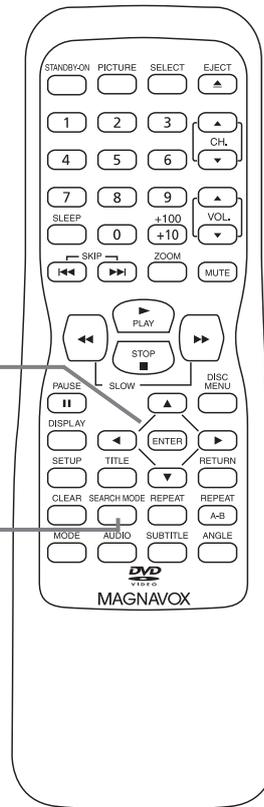


DVD example



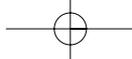
Audio CD example

4 To return to a Marker during playback, press **SEARCH MODE** until you see the Markers. Press **◀** or **▶** to choose the Marker you want, then press **ENTER**. Disc play will continue from the marked point.



Helpful Hints

- Opening the disc tray or turning off the TV/DVD will erase all the Markers.
- To erase a single Marker, press **SEARCH MODE** until you see the Markers. Press **◀** or **▶** to select a Marker. Press **CLEAR**. Press **SEARCH MODE** to remove the display.
- To erase all the Markers, press **SEARCH MODE** until you see the Markers. Press **▶** to select **AC** (All Clear), then press **ENTER**. Press **SEARCH MODE** or **RETURN** to remove the display.

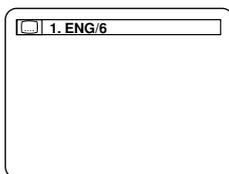


30 Subtitle Language, Camera Angles

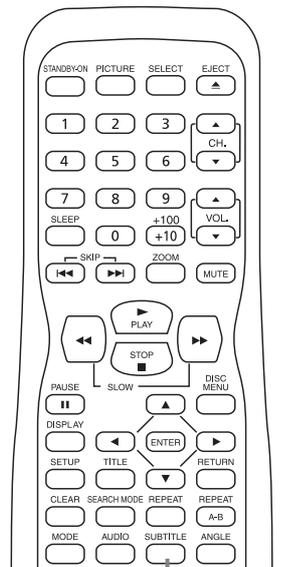
Subtitle Language

The DVD Player allows you to select a language for subtitles during play. You may select only the subtitles that are available on the Disc.

- 1** During play, press **SUBTITLE** to select a subtitle language. The number of available languages appears at the right of the subtitle display. In the example below, six languages are available (/6). After a few seconds, the subtitles will appear. Or, press **SUBTITLE** to turn off subtitles.



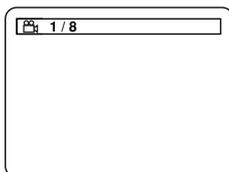
Example:
English as first of six available subtitles



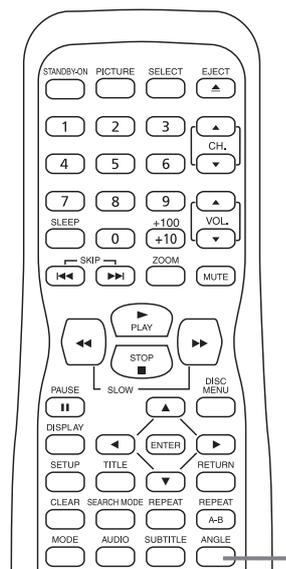
Camera Angles

Some DVDs contain scenes recorded from different angles. The camera angle will not change if the DVD does not contain sequences recorded from different camera angles.

- 1** During play, press **ANGLE** to select a different angle. The number of available angles appears at the right of the Angle display. In this example, eight angles are available (/8).

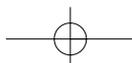


Example:
Angle 1 of eight available angles



Helpful Hints

- With some DVDs, you must select a subtitle language in the Disc menu.
- If the desired language does not appear after pressing **SUBTITLE** several times, the Disc does not have subtitles in that language.
- Opening the disc tray will cancel your subtitle setting.
- If the current portion of the Disc has multiple camera angles,  will appear on the TV screen. **ANGLE ICON** must be ON. Details are on pages 46-47.



Slow Motion, Zoom 3!

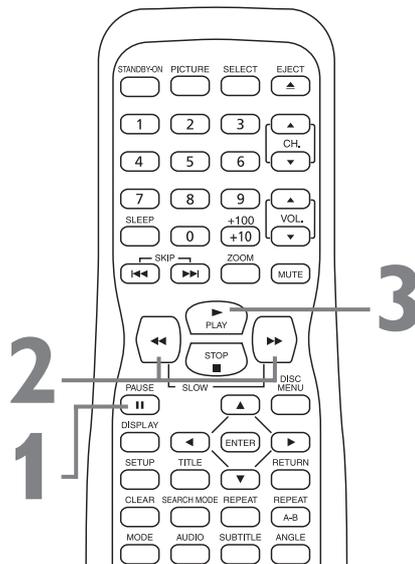
Slow Motion

- 1** Press **PAUSE** **||** during DVD playback.
- 2** Press **▶▶** or **◀◀**. Slow motion play will begin. Press **▶▶** or **◀◀** repeatedly during slow motion play to play the DVD forward or backward at 1/16, 1/8, or 1/2 the normal speed.



Example:
Playing a DVD forward at half the normal speed.

- 3** Press **PLAY** **▶** to return to normal play.



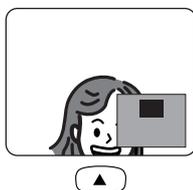
Zoom

You can enlarge the DVD picture to 1.3, two, or four times the regular size.

- 1** Press **ZOOM** during playback. The picture will be 1.3 times as large as normal. Press **ZOOM** again to increase the picture to twice the regular size. Press **ZOOM** again to increase the picture to four times the regular size.

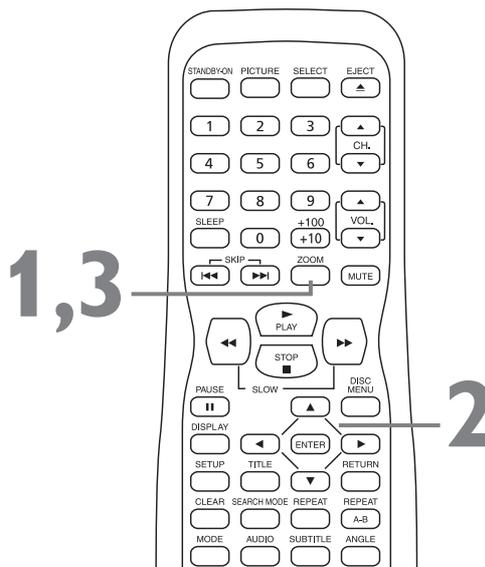


- 2** Press **▲**, **▼**, **◀**, or **▶** to move the zoomed image up, down, left, or right.



The gray box with an inner blue box that shows during Zoomed play is the position guide. To remove it or show it, press **ENTER**. The position of the blue box inside the gray box indicates the position of the zoomed image within the overall picture

- 3** To return the picture to its normal size, press **ZOOM** repeatedly.



Helpful Hint

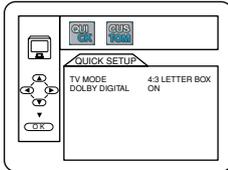
- The sound will be mute during slow motion play.

32 Parental Password

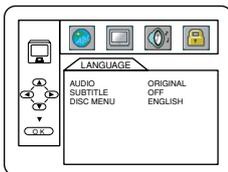
The Parental feature prevents viewing of DVDs that exceed your rating limits. This feature will not limit viewing if the DVD is not rated or coded. Check your DVDs and settings before letting children access the TV/DVD. Follow these steps to change your password.

- Before you begin, press **SELECT** to put the TV/DVD in DVD mode.

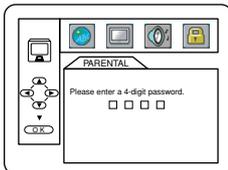
- 1 Press **SETUP** twice while play is stopped.



- 2 Press **▶** to select **CUSTOM** at the top of the menu, then press **ENTER**.

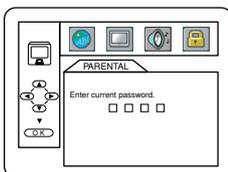


- 3 Press **▶** to select **🔒** (the lock), then press **ENTER**.
The first time you set a password, this menu will appear.

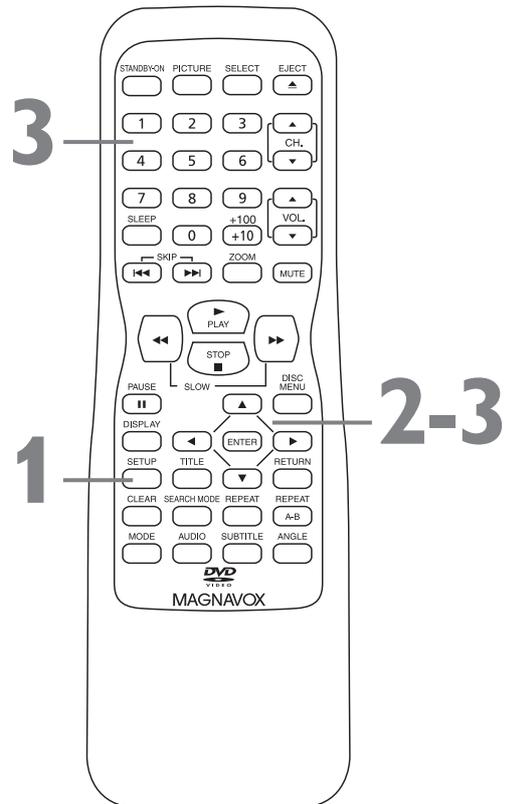


Press the **Number** buttons to enter a **four-digit password**. The password will appear on the screen. Write it down so you don't forget it.
Press **ENTER**. You are finished! Go to step 6.

If you have set a password before, this menu will appear.

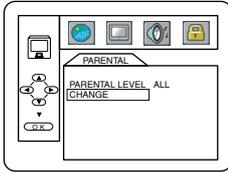


Press the **Number** buttons to enter your **current four-digit password**. Asterisks (*) will appear instead of your password. This protects its identity.



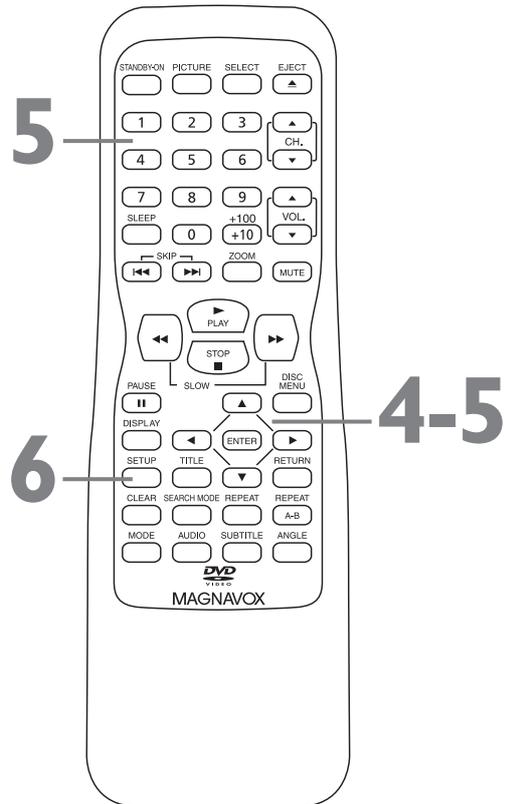
Parental Password (cont'd) 33

4 Press **▼** to select **CHANGE**, then press **ENTER**.



5 Press the **Number** buttons to enter a **four-digit password**. The password numbers will appear on the screen. Write down the password so you will not forget it. Press **ENTER**. The previous menu will reappear.

6 Press **SETUP** to exit the menu.



Helpful Hints

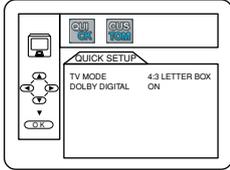
- The default password is 4737. If you forget your password, press Number buttons 4, 7, 3, 7 at step 3. You will be prompted to enter a new four-digit password. Use the Number buttons to enter a new four-digit password, then press ENTER. PARENTAL LEVEL will reset to ALL. Press SETUP to exit the menu. See pages 34-35 to reset PARENTAL LEVEL as you desire.
- A power failure will not erase your password.

34 Parental Levels

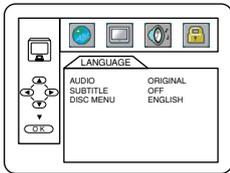
Follow these steps to set the rating level for your DVDs.
 DVDs whose ratings exceed the level you set will not play.

- Before you begin, press **SELECT** to put the TV/DVD in DVD mode.

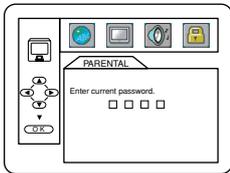
1 Press **SETUP** twice while play is stopped.



2 Press **▶** to select **CUSTOM** at the top of the menu, then press **ENTER**.

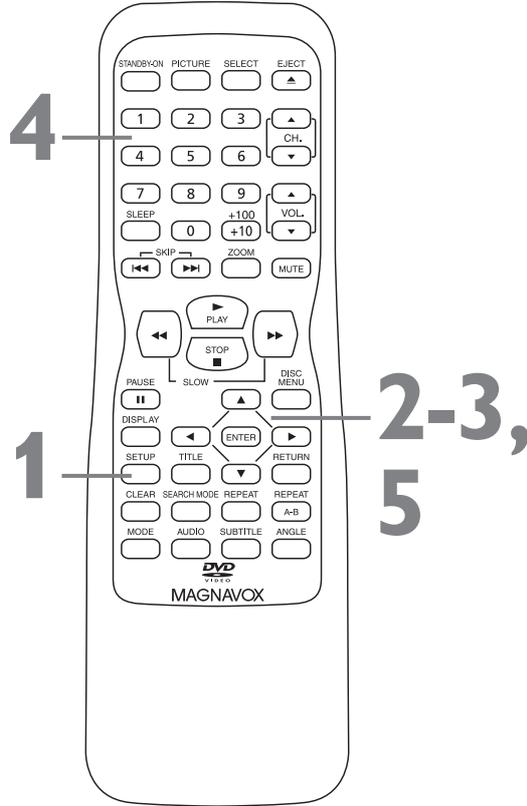
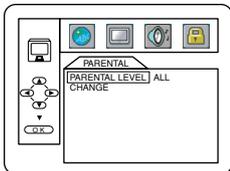


3 Press **▶** to select **lock icon** (the lock), then press **ENTER**.



4 Press the **Number** buttons to enter your four-digit password.

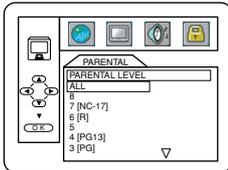
5 Press **▲** or **▼** to select **PARENTAL LEVEL**, then press **ENTER**.



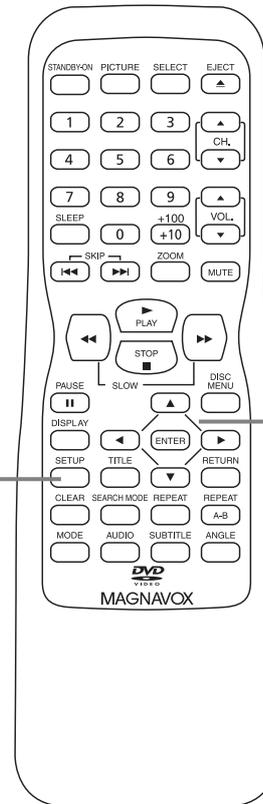
RATING EXPLANATIONS	
• ALL	- The Parental feature is inactive; all discs can play.
• 8	- Adult material
• 7 - NC-17	- Not appropriate for children under 17
• 6 - R	- Restricted; parental approval required for viewers under 18.
• 4 - PG13	- Unsuitable for children under 13
• 3 - PG	- Parental Guidance suggested.
• 1- G	- General Audience; recommended for all ages.

Parental Levels (cont'd) 35

- 6** Press **▲** or **▼** to select a level, then press **ENTER**. The rating levels continue on two menu screens. Press **▲** or **▼** repeatedly to move to the next or previous screen to find the rating level you want. After making your selection, the previous menu will appear. The level you selected will appear beside PARENTAL LEVEL.

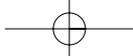


- 7** Press **SETUP** to exit the menu.



Helpful Hints

- When you try to play a DVD whose rating exceeds the level you set, an on-screen message will indicate the DVD cannot play. Remove the DVD, then set PARENTAL LEVEL to ALL. Reload the DVD and begin play. Some DVDs may let you enter your four-digit password to begin play. Follow the on-screen messages as prompted.
- You cannot use the default password (4737) to play a DVD.

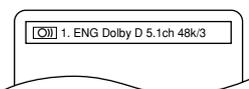


36 Audio Language, Stereo Sound Mode

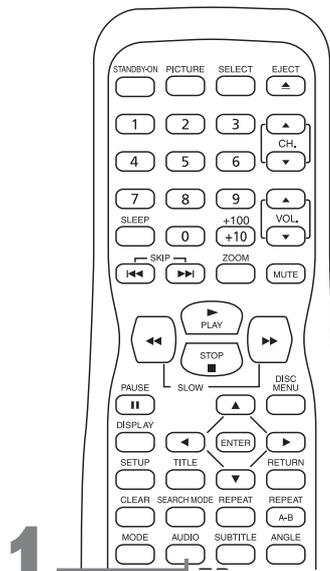
Audio Language

You can select a language for DVDs during playback if multiple languages are available.

- During DVD play, press AUDIO repeatedly to choose one of the available languages.** The new audio will be heard. The display will disappear after about five seconds. The Audio display may show if the DVD has Dolby Digital or multi-channel (5.1 CH) sound or its sampling rate (48k, for example). The number of available languages appears after the “ / ” at the right of the display (/3, for example).



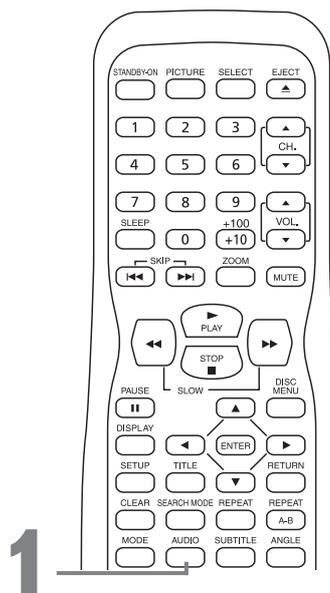
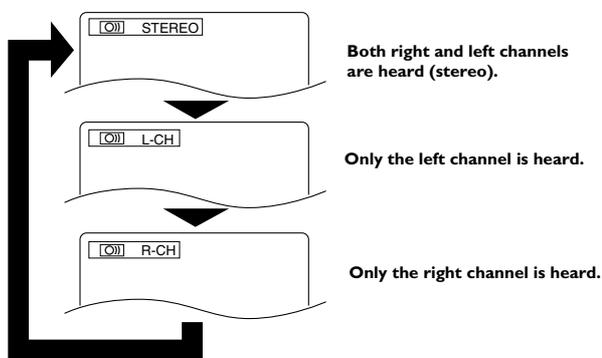
Example: English audio



Stereo Sound Mode

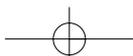
Adjust Stereo Sound to determine whether you will hear the left channel, the right channel, or both channels (stereo) during Audio CD playback.

- Press AUDIO during Audio CD playback to choose STEREO, L-CH, or R-CH.**



Helpful Hints

- If a language is not available after pressing AUDIO several times, the DVD does not have that language.
- Some DVDs only let you change the language in the Disc menu.
- Audio languages may be abbreviated (such as ENG for English). Or, three dashes (- - -) may appear instead of an abbreviation.
- You cannot adjust Stereo Sound if Virtual Surround is set to 1 or 2. Details are on page 45.



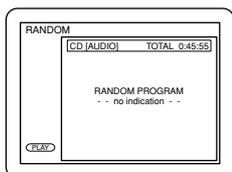
Random Play, Programmed Play 37

Random Play

You may play the Tracks of an Audio CD in Random order instead of the order in which they are recorded (1,2,3...). You can also use this feature for JPEG and MP3 files.

- Before you begin, press **SELECT** to put the TV/DVD in DVD mode.

- 1 While play is stopped, press **MODE** twice so the **RANDOM** screen appears.



Example: Audio CD

- 2 While the **RANDOM** screen appears, press **PLAY** ►. The Tracks will play in random order. After all the Tracks have played once, play will stop.

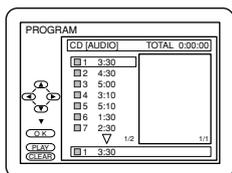
Programmed Play

You may determine the order in which Audio CD Tracks will play. You also can program MP3 or JPEG files to play in a special order.

To set a Program, follow these steps.

- Before you begin, press **SELECT** to put the TV/DVD in DVD mode.

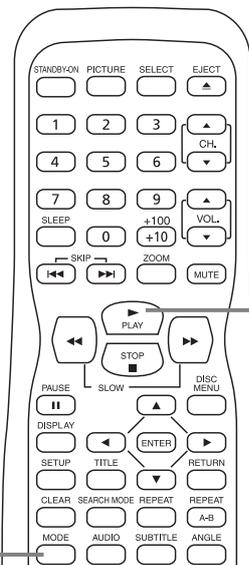
- 1 While play is stopped, press **MODE**. The **PROGRAM** screen will appear.



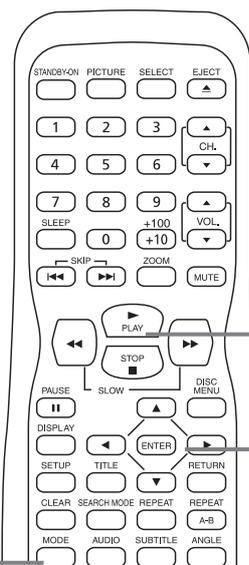
Audio CD example

- 2 Press **▲** or **▼** to select a track you want to play, then press **ENTER**. Press **CLEAR** to erase the last Track in the Program if you make an error. Additional Tracks may be on other screens. Press **▼** or **▲** to see all the Tracks. Repeat this step until you have selected all the Tracks you wish to play in the Program. A Program can have a maximum of 99 Tracks.

- 3 Press **PLAY** ►. The Tracks will play once in the order you set. Turning off the TV/DVD or opening the disc tray will erase the Program. You can start Program play only while in the Program screen.



1



1

Helpful Hints

- You cannot use the Number buttons or **SEARCH MODE** to select another Track while playing a Program. Use **SKIP** ►► or ◀◀ to select other Tracks within the Program.
- You cannot combine random play with programmed play.
- You may play a Program or a Track within a Program repeatedly. During programmed play, press **REPEAT** so **ALL** (all Tracks in the Program) or **TRACK** appears.
- You cannot alter a Program during play.

38 MP3/JPEG Playback

The DVD Player will play MP3 or JPEG files that you record and finalize on a CD-RW (Compact Disc-Rewritable) or CD-R (Compact Disc-Recordable).

These Discs may contain pictures in a JPEG format or audio Tracks in an MP3 format. For example, you may have photographic film developed by a retailer that places the pictures on a CD-R for you. These pictures may be in JPEG format. Or, you may copy or download MP3 music files from certain legal Internet sites, then copy those files onto a CD-R or CD-RW.

You cannot make or record such Discs using this TV/DVD. See your computer manual for details on recording. Keep these characteristics in mind when making Discs you intend to play on the TV/DVD.

- Record MP3 Tracks at a sampling frequency of 44.1 kHz or 48 kHz. Use a bit rate between 112 kbps and 320 kbps.
- When recording JPEG Files, the size of the picture should be between 32 x 32 and 6300 x 5100 dots.

- **Before you begin, press SELECT to put the TV/DVD in DVD mode.**

1 When you put a CD-RW or CD-R with MP3 or JPEG files in the Player, the File List may appear on the TV screen, or play may begin immediately. To see the File List during play, press SEARCH MODE. The current Track will be highlighted.

Press ▲ or ▼ to select a Folder, MP3 Track, or JPEG File.

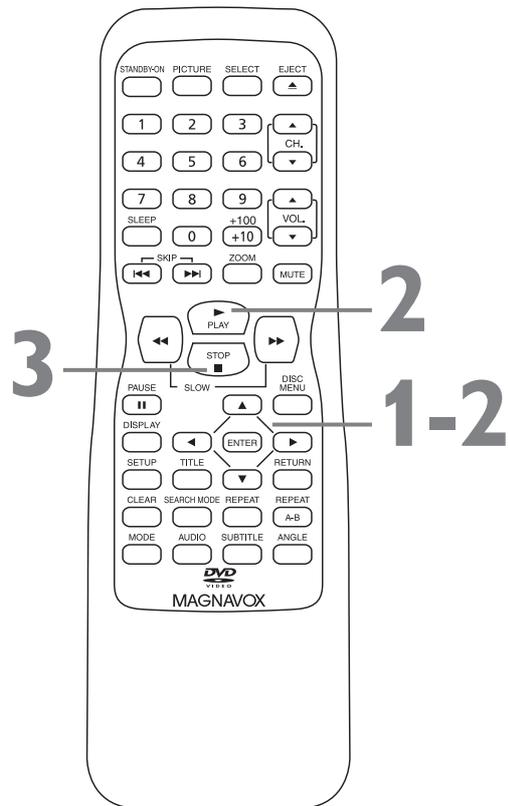
2 If you choose a Track or File, press **PLAY ►** or **ENTER**.

Starting with the Track or File you selected, the Tracks/Files will play in the order they were recorded, i.e. 1, 2, 3.

If you select a Folder and press ENTER, the Tracks or Files within that Folder will appear. Press ▲ or ▼ to select the Track or File you want, then press PLAY ► or ENTER.

- Choose FIRST PLAY to start play from the first individual File or Track listed.
- Press TITLE to return to the first item on the first MP3 or JPEG screen. You also can press ◀ to return to previous screens.
- During JPEG playback, press MODE to select a transition mode. For example, you can choose JPG1 (Cut in/Cut off) or JPG2 (Fade in/Fade out) by pressing ENTER. Press MODE again to remove the transition modes.

3 To stop play, press **STOP ■**. The File List will appear.



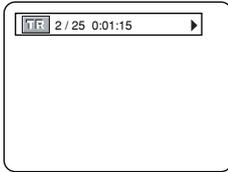
Helpful Hints

- JPEG images and MP3 Tracks are known as Files. Groups of Files are called Folders.
- JPEG Files have the ☺ icon.
- A maximum of 255 Folders can be recognized. A maximum of 256 Files can be recognized.
- MP3 Files have the 🎵 icon.
- During play, press the Number buttons to select another Track. Or, press SKIP ►► or ◀◀ to change Tracks.
- If a Track is not available, "X" will appear on the TV screen. Play may resume at an incorrect Track or may continue with its current Track.
- Specific Time playback is not possible with MP3 Tracks.

MP3/JPEG Displays 39

You can review MP3 and JPEG Track (File) information during playback.

- 1 Press **DISPLAY** until the current Track/File number, total Tracks/Files available, and elapsed playing time of the current Track (MP3 only) appear.



The following may appear to indicate Repeat play.

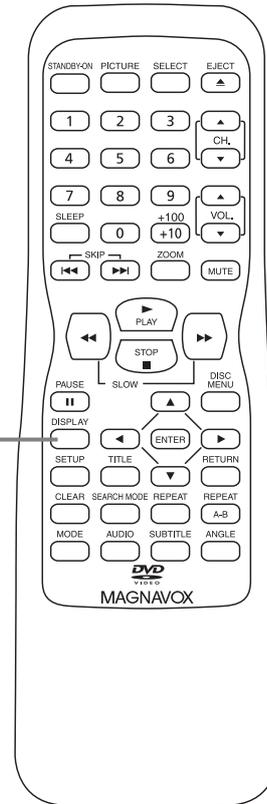
↺ : The current Track/File will play repeatedly.

↺ : Tracks/Files in the current Folder (Group) will play repeatedly.

↺ : All Tracks/Files will play repeatedly.

- 2 Press **DISPLAY** again to remove the display.

1-2



Helpful Hints

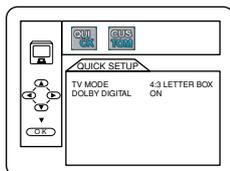
- During MP3 play, the 🎵 icon and the current Track name will appear when you first press DISPLAY.
- During JPEG play, the 😊 icon and the current Track/File name will appear when you first press DISPLAY.

40 Audio Settings

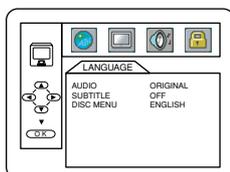
Change Audio settings based on other equipment you connected to the TV/DVD or according to your Disc sound features.

- Before you begin, press **SELECT** to put the TV/DVD in DVD mode.

- 1 While play is stopped, press **SETUP** twice. The QUICK SETUP screen will appear.



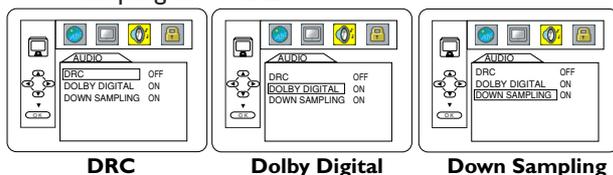
- 2 Press **▶** to select **CUSTOM** at the top of the menu, then press **ENTER**.



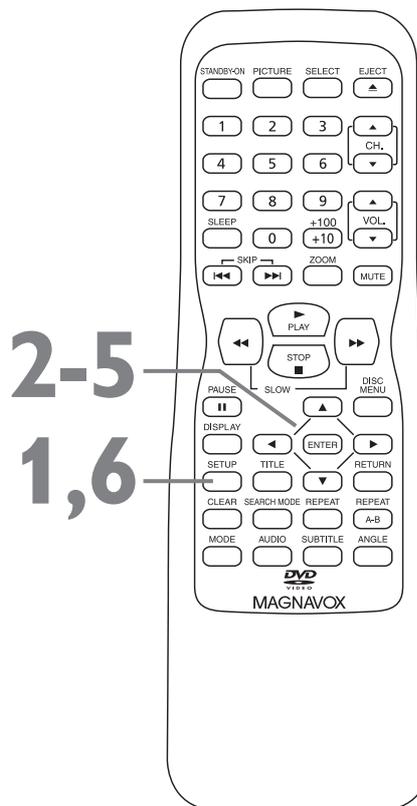
- 3 Press **▶** to select **AUDIO** (), then press **ENTER**.

- 4 Press **▲** or **▼** to select **DRC**, **DOLBY DIGITAL**, or **DOWN SAMPLING**, then follow step 5 accordingly.

- 5
 - If you selected **DRC**, press **ENTER** repeatedly to turn Dynamic Range Control (DRC) ON or OFF. Choosing ON compresses the range of volume by suppressing loud sounds and raising low sounds.
 - If you selected **DOLBY DIGITAL**, press **ENTER** repeatedly to select ON or OFF. Select ON if you used the COAXIAL jack to connect the TV/DVD to a stereo that is Dolby Digital compatible. Details are on page 11. Otherwise, choose OFF.
 - If you selected **DOWN SAMPLING**, press **ENTER** repeatedly to choose ON or OFF. Choose ON to set downsampling to 48 kHz. Choose OFF to set downsampling to 96 kHz.



- 6 Press **SETUP** to exit the menu.



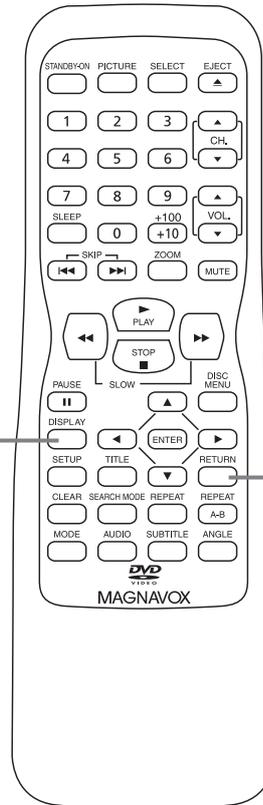
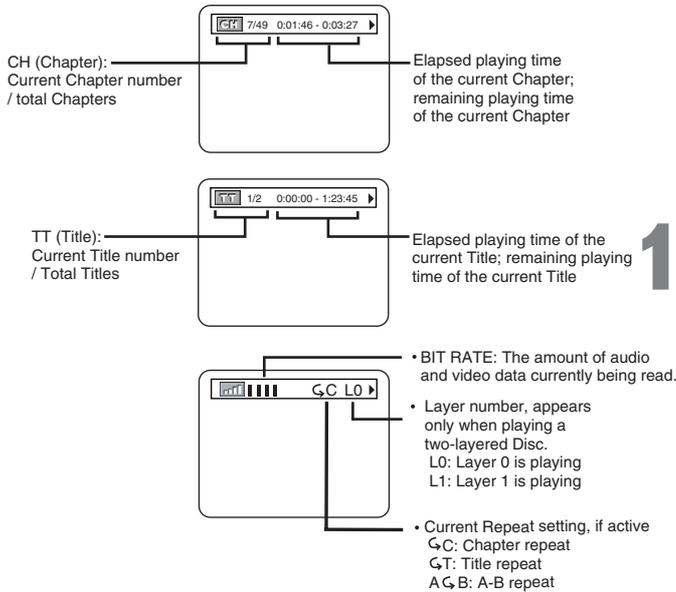
Helpful Hints

- Dolby Digital sound must be available on the DVD.
- You can adjust DOLBY DIGITAL in the QUICK SETUP menu that appears when you first press SETUP twice. With QUICK selected, press ENTER. Press ▼ to select DOLBY DIGITAL. Press ENTER to choose ON or OFF. Press SETUP to exit the menu.
- When you play a Disc that has copyright protection, downsampling will be at 48 kHz, even if you set DOWN SAMPLING to OFF.

On-Screen Displays 41

DVD Display

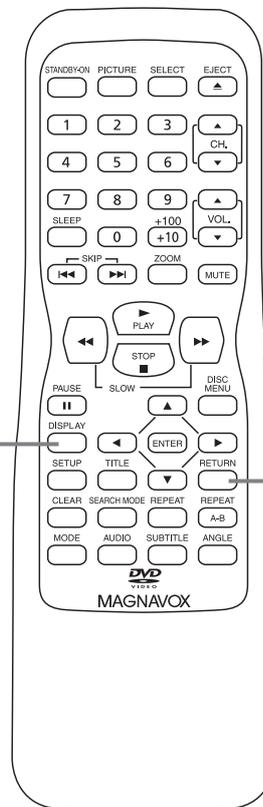
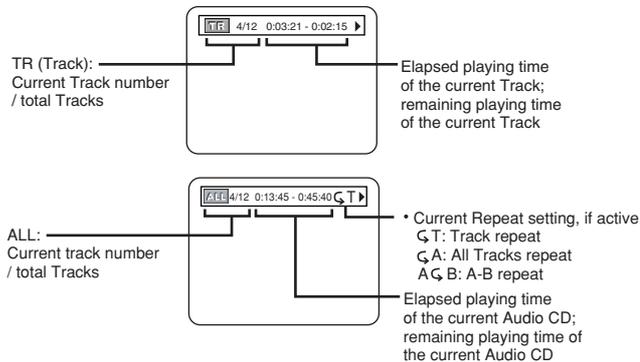
1 Press **DISPLAY** repeatedly to see the following displays during DVD playback.



2 Press **DISPLAY** repeatedly or press **RETURN** to remove the display.

Audio CD Display

1 Press **DISPLAY** repeatedly to see the following displays during Audio CD playback.



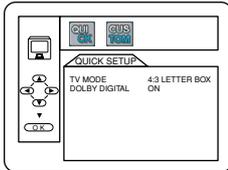
2 Press **DISPLAY** repeatedly or press **RETURN** to remove the display.

42 Language Settings

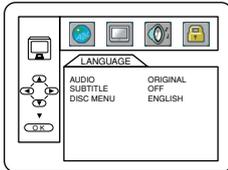
You can use the LANGUAGE settings to select different languages for the Audio or Subtitles of DVDs, as well as languages for DVD Disc menus.

- Before you begin, press **SELECT** to put the TV/DVD in DVD mode.

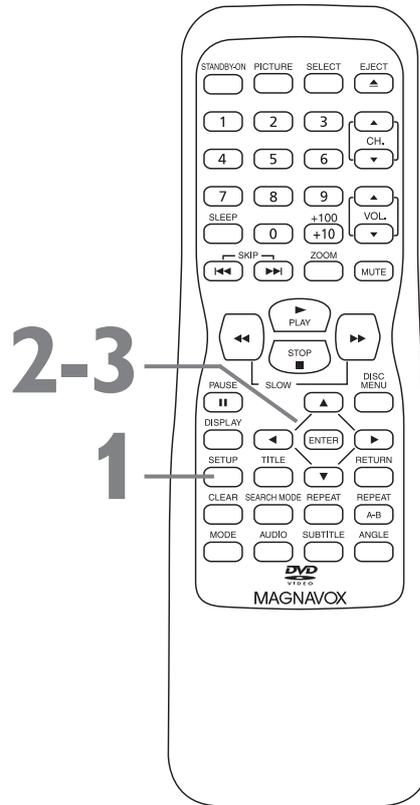
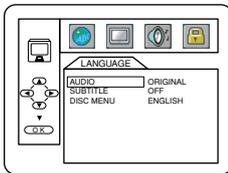
- 1** While play is stopped, press **SETUP** twice. The QUICK SETUP screen appears.



- 2** Press **▶** to select **CUSTOM** at the top of the menu, then press **ENTER**.

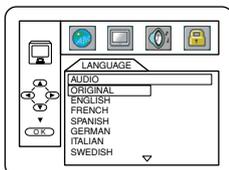


- 3** The Language menu (🌐) will be selected. Press **ENTER**.

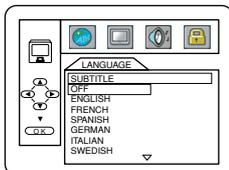


Language Settings (cont'd) 43

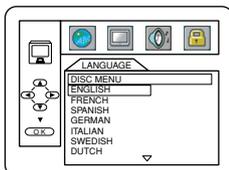
4 Press **▲** or **▼** to select **AUDIO**, **SUBTITLE**, or **DISC MENU**. Then, press **ENTER**. The language options for the selected item will appear.



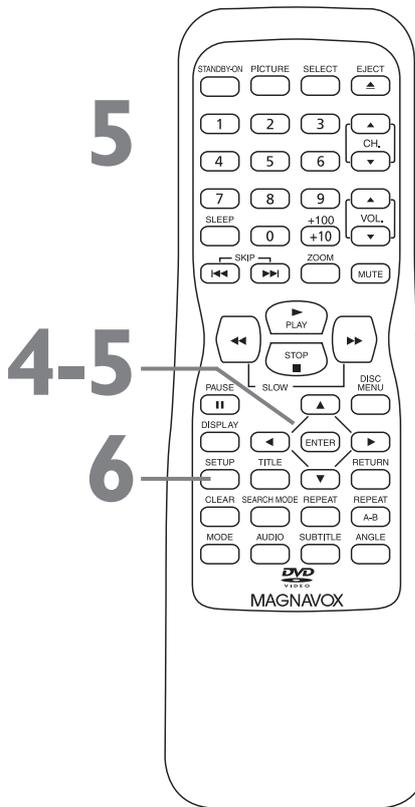
AUDIO:
The DVD's audio plays in the selected language.



SUBTITLE:
Subtitles appear in the chosen language.

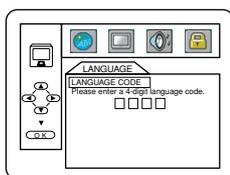


DISC MENU:
A DVD's Disc menu appears in the chosen language.



5 Press **▲** or **▼** to select a language, then press **ENTER**. The language lists may continue on multiple screens. Press **▲** or **▼** to move to the other screens.

- If you select **OTHER**, press four Number buttons to enter the code for the language you desire. Use the Language Codes on page 44. The language or language code you select will appear in the Language menu beside **AUDIO**, **SUBTITLE**, or **DISC MENU**.



- You can select other languages only if the language is available on the Disc. If the language you select is not recorded on the DVD, changing these settings will have no effect.

6 Press **SETUP** to exit the menu.

Helpful Hints

- If the DVD's default settings for Audio and Subtitle are the same language, the subtitles may not show unless you turn them on.
- Use the **AUDIO** and **SUBTITLE** buttons to select Audio and Subtitles available on the DVD. Details are on pages 30 and 36.
- If you set **AUDIO** to **ORIGINAL**, the default setting of the DVD Audio will play.
- You can access the **TV SET UP** menu by pressing the **SETUP** button while in DVD mode. You cannot select **CHANNEL SET UP** while in DVD mode. **TV SET UP** menu details are on pages 18-20.

44 Language Settings (cont'd)

Language Codes

A-B	English	5160	Kannada	5760	Panjabi	6247	T		
Abkhazian	4748	Esperanto	5161	Kashmiri	5765	Pashto	6265	Tagalog	6658
Afar	4747	Estonian	5166	Kazakh	5757	Persian	5247	Tajik	6653
Afrikaans	4752	F-H		Kinyarwanda	6469	Polish	6258	Tamil	6647
Albanian	6563	Faroese	5261	Kirghiz	5771	Portuguese	6266	Tatar	6666
Amharic	4759	Fiji	5256	Kirundi	6460	Pushto	6265	Telugu	6651
Arabic	4764	Finnish	5255	Korean	5761	Quechua	6367	Thai	6654
Armenian	5471	French	5264	Kurdish	5767	Rhaeto-Romance	6459	Tibetan	4861
Assamese	4765	Frisian	5271	L-N		Romanian	6461	Tigrinya	6655
Aymara	4771	Gaelic (Scots)	5350	Laothian	5861	Russian	6467	Tonga	6661
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Dutch	6058	Javanese	5669	Oromo	6159	Swedish	6568		

Black Level, Virtual Surround 45

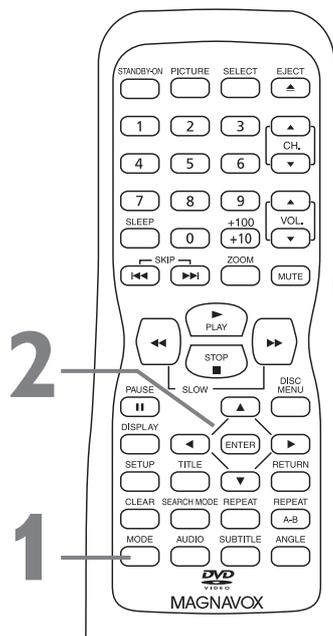
Black Level

Adjust Black Level to brighten the DVD picture during play-back.

- 1 During DVD play, press **MODE** so the Black Level icon shows in the top left corner of the TV screen.



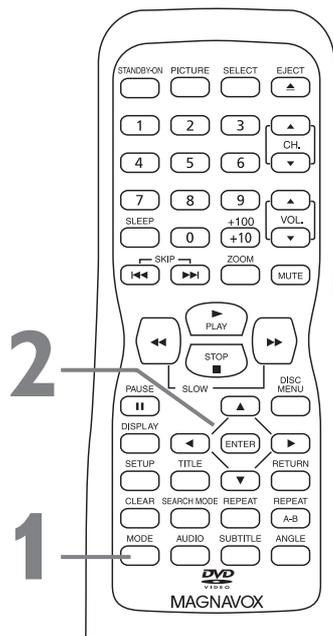
- 2 Within 10 seconds, press **ENTER** repeatedly to choose **ON** or **OFF**. **ON** brightens the dark parts of the picture. **OFF** shows the original picture as recorded.



Virtual Surround

You can enjoy improved stereo sound when you play DVDs, Audio CDs, or MP3 files recorded in Dolby Digital or Pulse Code Modulation (PCM). Check the Disc case for details on availability.

- 1 During Disc play, press **MODE** so the Virtual Surround icon appears in the top left corner of the TV screen.
- 2 While the Virtual Surround icon appears, press **ENTER** to choose **1**, **2**, or **OFF**. The default setting is **OFF**. The icon will disappear after about 10 seconds.



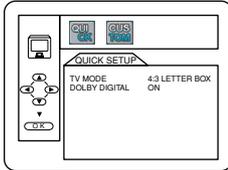
Helpful Hint

- *Virtual Surround is active only if you set Stereo Sound Mode to Stereo. Details are on page 36.*

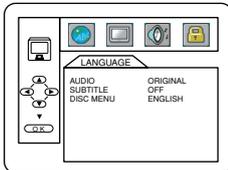
46 Display Settings

You can adjust TV Mode, Angle Icon, and Automatic Power Off in the Display menu.

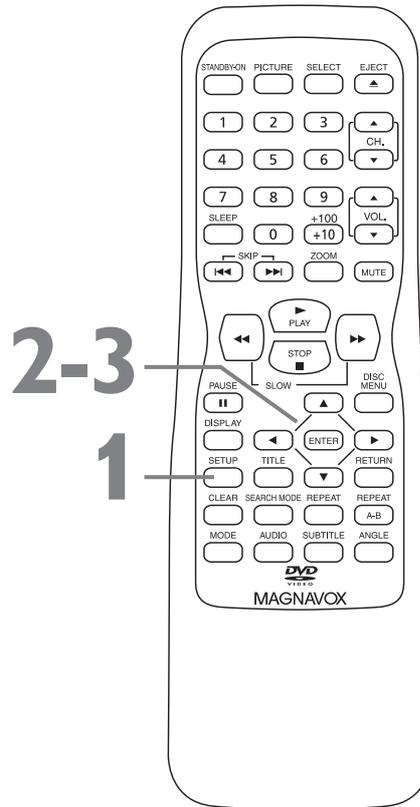
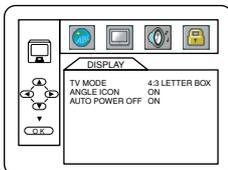
- 1** When play is stopped, press **SETUP** twice. The QUICK SETUP screen will appear.



- 2** Press **▶** to select **CUSTOM** at the top of the menu, then press **ENTER**.



- 3** Press **▶** to select **DISPLAY**, then press **ENTER**.



Helpful Hints

- Selecting a different TV MODE setting is only effective if it is available on the DVD. Check the DVD Disc menu or case for details.
- You also can adjust TV MODE in the QUICK SETUP menu that appears when you first press the SETUP button twice. With QUICK selected, press ENTER. Press ▲ or ▼ to select TV MODE, then press ENTER. Press ▲ or ▼ to choose a setting, then press ENTER. Press SETUP to exit the menu.

Display Settings (cont'd) 47

4 Press ▲ or ▼ to select an item, then press ENTER.

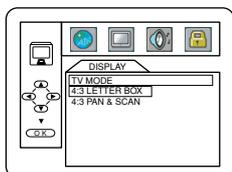
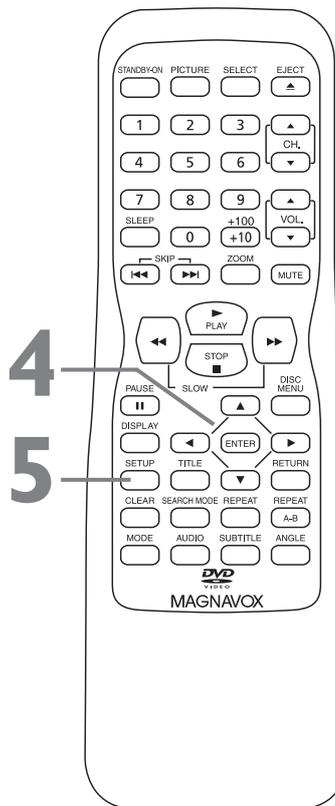
- If you selected **TV MODE**, press ▲ or ▼ to select a setting, then press ENTER.

Choose 4:3 LETTER BOX if you want to see the entire, widened picture with black bars at the top and bottom of the screen. This looks like the picture you see when watching movies in a theater. This setting is possible only if the DVD was recorded in the letter-box or widescreen format.

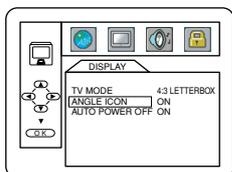
Choose 4:3 PAN & SCAN for a full height picture, with both sides trimmed. Some companies refer to this as reformatting the picture to fit your TV screen and may call it the regular or normal format.

- If you selected **ANGLE ICON**, press ENTER repeatedly to turn ANGLE ICON ON or OFF. The default setting is ON. Choose ON to see the Angle icon when multiple camera angles are available during DVD playback. *Details are on page 30.* Choose OFF to disable the Angle icon.

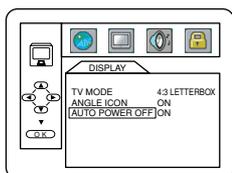
- If you selected **AUTO POWER OFF**, press ENTER repeatedly to set AUTO POWER OFF to ON or OFF. The default setting is ON. Choose ON if you want the TV/DVD to turn off when there is no activity in DVD mode for 20 minutes.



TV MODE

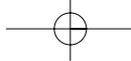


ANGLE ICON



AUTO POWER OFF

5 Press SETUP to exit the menus.



48 Helpful Hints

If you are having problems with your product, check this list of problems and possible solutions before requesting service. You may be able to solve the problem yourself.

Location

For safe operation and satisfactory performance of your TV/DVD, remember the following:

- Shield it from direct sunlight and keep it away from sources of intense heat.
- Avoid dusty or humid places.
- Avoid places with insufficient ventilation. Do not block the ventilation openings at the top and bottom of the TV/DVD. Do not place the TV/DVD on a carpet, as this will block the ventilation openings.
- Avoid locations subject to strong vibrations.
- Do not place the TV/DVD near strong magnetic fields.
- Do not move the TV/DVD from a cold place to a hot place, or vice versa.

Electrical Shock and Fire Hazards

- Do not handle the power cord with wet hands.
- Do not pull the power cord when disconnecting the TV/DVD from the AC (alternating current) wall outlet. Grasp it by the plug.
- If you spill water on the TV/DVD, unplug the power cord immediately and take the TV/DVD to an authorized service center.
- Do not put your fingers or objects into the disc tray.
- Do not place anything on top of the TV/DVD.

Channel reception is poor.

- Check connections, then set up the channels again. *Details are on pages 19-20.*

TV/DVD has no power.

- Connect the power plug to an AC (alternating current) outlet completely.

Disc cannot play.

- Insert a playable Disc. Make sure the Disc is labelled for Region 1 or ALL regions and is NTSC compatible. *Details are on page six.*
- Place the Disc correctly in the Disc tray. If the Disc is one-sided, place the Disc in the tray with the label facing up. If the Disc is two-sided, make sure the label of the side you want to play is facing up.
- Clean the Disc. Make sure the Disc is not scratched or warped.
- Cancel the Parental Controls, enter the password, or change the control level. *Details are on pages 32-35.*

TV/DVD does not have a picture.

- Adjust the antenna or check the Cable TV or satellite signal connection. If using a Cable Box/Satellite Receiver, set the TV/DVD to channel 3 or 4 or AUX. *Details are on pages eight-nine.*
- Adjust the TV/DVD picture controls. *Details are on page 21.*
- Select an active channel. *Details are on pages 19-20.*
- Make sure the Disc is compatible with the DVD Player of the TV/DVD. *Details are on page six.*

TV/DVD has poor sound or no sound.

- Press VOL. ▲ or ▼ to adjust the volume. Press MUTE to restore the volume.
- Check the audio settings for DVD mode. *Details are on page 40.*
- Check the audio settings of the Disc. For example, you may have selected "soundtrack" playback or an unavailable sound setting (such as Dolby Digital). *Details are on pages 36 and 40.* Try other sound options provided in the DVD Disc menu.

You cannot choose a DVD feature, such as camera angle or audio or subtitle language.

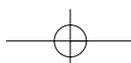
- The feature must be recorded on the DVD. Not all DVDs contain multiple angles, subtitles, etc. Refer to the Disc case to see what features are available. If the feature is not available, the ✕ may appear.

Remote control does not operate the TV/DVD.

- Aim the remote control directly at the remote sensor on the front of the TV/DVD. *Details are on page 16.*
- Remove all obstacles between the remote control and the TV/DVD.
- Inspect and replace the batteries in the remote control. *Details are on page seven.*

Number buttons will not select channels above 69.

- Enter channel numbers as a two-digit number. If you want to select channels 100 and above, press the +100/+10 button, then the Number buttons for the last two digits. *Details are on page 12.*
- If you are using an antenna and do not have Cable TV/Satellite, only channels 2-69 will be available.



Glossary / Specifications 49

Glossary

AUDIO In/Out Jacks: jacks that send (OUT) or receive (IN) sound to or from other equipment that is connected to the TV/DVD.

Automatic Channel Setup: process in which the TV/DVD memorizes all available TV channels. Then, when you push the CH. ▲/▼ buttons, you only scan through channels you receive.

Bands: settings that allow you to tune channels.

- **Antenna** – VHF (very high frequency; channels 2-13) and UHF (ultra high frequency; channels 14-69).
- **Cable** – standard channels can be received without a Cable Box.

COAXIAL Digital Audio Out jack:

orange jack that sends digital audio to a stereo, allowing you to adjust the volume at the stereo.

Dolby Digital: A surround sound system that provides 5.1 channel sound as used in movie theaters. Sound is heard through multiple channels, not just the right and left as with standard stereo.

VIDEO In Jack: yellow jack on the front of the TV/DVD that receives video from another source (VCR, Camcorder, etc.).

Specifications

General TV

CRT : 9 inch in-line gun,
90° deflection tube

Color system : NTSC-M

Tuner channels: 2-69

Cable TV: 1-125

General DVD

Color System: NTSC

Frequency response

DVD (linear sound): 20 Hz to 22 kHz
(sample rate: 48 kHz)
20 Hz to 44 kHz
(sample rate: 96 kHz)
20 Hz to 20 kHz

Audio CD: 20 Hz to 20 kHz

Signal-to-noise ratio

Audio CD: 100 dB (EIAJ)

Dynamic range

DVD (linear sound): 85 dB

Audio CD: 84 dB (EIAJ)

Total distortion factor

Audio CD: 0.07% (EIAJ)

Wow and flutter: Below the measurement
limitation (+/-0.001%
W PEAK) (EIAJ)

Electrical Specifications

Sound output: Two speakers, 1W, 8 ohm

Other Specifications

Terminals

Antenna In: 75 ohm unbalanced (F-type)

Video In: one RCA connector

Audio L/R In: two RCA connectors

Headphone: 1/8" stereo (3.5 mm)

Coaxial Digital Audio Out: One pin jack,
500m Vpp (75 ohm)

Audio L/R Out : two RCA connectors

Operating temperature: 41°F to 104°F
(5°C to 40°C)

Power requirements: AC 120V, 60Hz/ DC 13.2V

Power consumption (Maximum): AC 55W/ DC 60W

Dimensions: Height: 12-1/4" (311 mm)
Width: 10-7/8" (276 mm)
Depth: 12-1/2" (318 mm)

Weight: 17.6 lbs (8.0 kg)

50 Limited Warranty

TV/DVD COMBINATION

90 Days Free Labor/One Year Parts Exchange

This product must be carried in for repair.

WHO IS COVERED?

You must have proof of purchase to receive warranty service. A sales receipt or other document showing that you purchased the product is considered proof of purchase.

WHAT IS COVERED?

Warranty coverage begins the day you buy your product. *For 90 days thereafter*, all parts will be repaired or replaced and labor is free. *From 90 days to one year from the day of purchase*, all parts will be repaired or replaced, but you pay for all labor charges. After one year from the day of purchase, you pay for the replacement or repair of all parts, and for all labor charges.

All parts, including repaired and replaced parts, are covered only for the original warranty period. When the warranty on the product expires, the warranty on all replaced and repaired parts also expires.

WHAT IS EXCLUDED?

Your warranty does not cover:

- 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 misuse, accident, unauthorized repair or other cause not within the control of Magnavox.
- reception problems caused by signal conditions or cable or antenna systems outside the unit.
- 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.
- incidental or consequential damages resulting from the product. (Some states do not allow the exclusion of incidental or consequential damages, so the above exclusion may not apply to you. This includes, but is not limited to, prerecorded material, whether copyrighted or not copyrighted.)
- damage caused by the use of non-VHS tapes or tapes that have not been tested and labeled for use in two, four, six, and eight hour VHS recorders.
- a product that is used for commercial or institutional purposes.

WHERE IS SERVICE AVAILABLE?

Warranty service is available in all countries where the product is officially distributed by Magnavox. In countries where Magnavox does not distribute the product, the local Magnavox service organization will

attempt to provide service (although there may be a delay if the appropriate spare parts and technical manual(s) are not readily available).

MAKE SURE YOU KEEP...

Please keep your sales receipt or other document showing proof of purchase. Attach it to this owner's manual and keep both nearby. Also keep the original box and packing material in case you need to return your product.

BEFORE REQUESTING SERVICE...

Please check your owner's manual before requesting service. Adjustments of the controls discussed there may save you a service call.

TO GET WARRANTY SERVICE IN U.S.A., PUERTO RICO, OR U.S. VIRGIN ISLANDS...

Take the product to a Magnavox factory service center (see enclosed list) or authorized service center for repair. When the product has been repaired, you must pick up the unit at the center. Centers may keep defective parts.

(In U.S.A., Puerto Rico, and U.S. Virgin Islands, all implied warranties, including implied warranties of merchantability and fitness for a particular purpose, are limited in duration to the duration of this express warranty. But, because some states do not allow limitations on how long an implied warranty may last, this limitation may not apply to you.)

TO GET WARRANTY SERVICE IN CANADA...

Please contact Magnavox at:
1-800-705-2000.

(In Canada, this warranty is given in lieu of all other warranties. No other warranties are expressed or implied, including any implied warranties of merchantability or fitness for a particular purpose. Magnavox is not liable under any circumstances for any direct, indirect, special, incidental or consequential damages, howsoever incurred, even if notified of the possibility of such damages.)

REMEMBER...

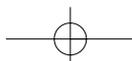
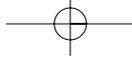
Please record below the model and serial numbers found on the product. Also, please fill out and mail your warranty registration card promptly. It will be easier for us to notify you if necessary.

MODEL # _____
SERIAL # _____

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

Magnavox, P.O. Box 520890, Miami, FL 33152 (402) 536-4171

EL6553E001 / 03-03





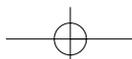
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