User Manual

MAGNAVOX
SMART. VERY SMART.

20MF 251W Series
LCD TV

STOP!

Thank you for choosing Magnavox.

Need help fast?

Read your user Manual and/or Quick-Use Guide first for quick tips that make using your Magnavox product more enjoyable.
If you have read your instructions and still need assistance,
you may access our online help at
www.usasupport.magnavox.com
or call
1-800-705-2000
while with your product
(and Model / Serial number)

Model No:_____

Serial No:_____

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

*Proof of Purchase

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

*Product Safety Notification

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

*Additional Benefits of Product Ownership

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

MAGNAVOX

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

Dear MAGNAVOX product owner:
Thank you for your confidence in MAGNAVOX. You've selected one of the best-built, best-backed products available today. We'll do everything in our power to keep you happy with your purchase for many years to come.
As a member of the MAGNAVOX "family," you're entitled to protection by one of the most comprehensive warranties and outstanding service networks in the industry. What's more, your purchase guarantees you'll receive all the information and special offers for which you qualify, plus easy access to accessories from our convenient home shopping network.
Most importantly, you can count on our uncompromising commitment to your total satisfaction.
All of this is our way of saying welcome - and thanks for investing in a MAGNAVOX product.

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

Know these **safety** symbols

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

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

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

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

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

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

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

For Customer Use
Enter below the Serial No. which is located on the rear of the cabinet. Retain this information for future reference.
Model No._____
Serial No. _____

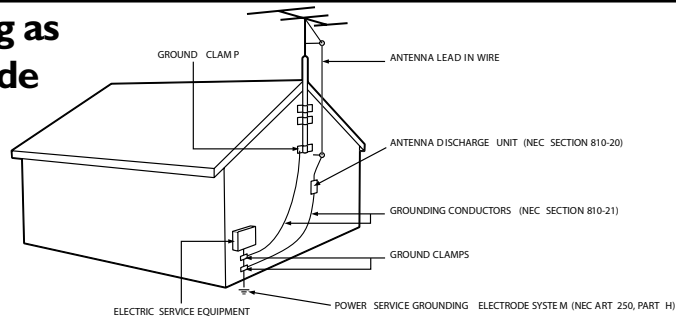**MAGNAVOX** Visit our World Wide Web Site at http://www.usasupport.magnavox.com

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with a dry cloth.
7. Do not block any of the ventilation openings. Install in accordance with the manufacturers instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and third grounding prong. The wide blade or third prong are provided for your safety. When the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
15. This product may contain lead and mercury. Disposal of these materials may be regulated due to environmental considerations. For disposal or recycling information, please contact your local authorities or the Electronic Industries Alliance: www.eiae.org
16. **Damage Requiring Service** - The appliance should be serviced by qualified service personnel when:
    A. The power supply cord or the plug has been damaged;
    B. Objects have fallen, or liquid has been spilled into the appliance;
    C. The appliance has been exposed to rain;
    D. The appliance does not appear to operate normally or exhibits a marked change in performance;
    E. The appliance has been dropped, or the enclosure damaged.
17. **Tilt/Stability** - All televisions must comply with recommended international global safety standards for tilt and stability properties of its cabinet design.
    • Do not compromise these design standards by applying excessive pull force to the front, or top, of the cabinet which could ultimately overturn the product.
    • Also, do not endanger yourself, or children, by placing electronic equipment/toys on the top of the cabinet. Such items could unsuspectingly fall from the top of the set and cause product damage and/or personal injury.
18. **Wall or Ceiling Mounting** - The appliance should be mounted to a wall or ceiling only as recommended by the manufacturer.
19. **Power Lines** - An outdoor antenna should be located away from power lines.
20. **Outdoor Antenna Grounding** - If an outside antenna is connected to the receiver, be sure the antenna system is grounded so as to provide some protection against voltage surges and built up static charges.
    Section 810 of the National Electric Code, ANSI/NFPA No. 70-1984, provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding connectors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. See Figure below.
21. **Object and Liquid Entry** - Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.
22. **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 + and - aligned as marked on the unit.
    • Do not mix batteries (old and new or carbon and alkaline, etc.).
    • Remove batteries when the unit is not used for a long time.

Note to the CATV system installer: This reminder is provided to call the CATV system installer's attention to Article 820-40 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

Example of Antenna Grounding as per NEC - National Electric Code

GROUND CLAMP
ANTENNA LEAD IN WIRE
ANTENNA DISCHARGE UNIT (NEC SECTION 810-20)
GROUNDING CONDUCTORS (NEC SECTION 810-21)
GROUND CLAMPS
ELECTRIC SERVICE EQUIPMENT
POWER SERVICE GROUNDING ELECTRODE SYSTEM (NEC ART 250, PART H)

3

ADDITIONAL SAFETY PRECAUTIONS

• *ENSURE that LCD TV stand is tightened properly to the set (See Quick Guide) on the right way of tightening of the screw of the stand to the set. Improper tightening of screw may render the set unsafe.*

• *If LCD TV is installed on the wall, installation should be carried out by qualified servicemen. Improper or incorrect installation may render the set unsafe.*

• *Disconnect main plug when :*

  — *cleaning the TV screen, never use abrasive cleaning agents.*

  — *there is a lightning storm.*

  — *the set is left unattended for a prolonged period of time.*

• *Do not shift or move the LCD TV around when it is powered on.*

• *Do not touch, push or rub the surface of the LCD screen with any sharp or hard objects.*

• *When the surface of the LCD screen becomes dusty, wipe it gently with an absorbent cotton cloth or other soft material like chamois. DO NOT USE acetone, toluene or alcohol to clean the surface of the screen. These chemicals will cause damage to the surface.*

• *Wipe off water or saliva as soon as possible. These liquids can cause deformation and color fading of the LCD screen when left exposed for some time.*

• *Be careful of condensation when temperature changes occur. Condensation can cause damage to the LCD screen and electrically parts. After condensation fades, spots or blemishes will be present on the LCD screen.*

POSITIONING THE LCD TELEVISION

• *Place the LCD TV on a solid, sturdy base or stand. Be sure the stand is strong enough to handle the weight of the LCD TV.*

• *Try to leave at least 6” of space around each side of the LCD TV cabinet to allow for proper ventilation.*

• *Do not place the LCD TV near a radiator or other sources of heat.*

• *Do not place the LCD TV where it can be exposed to rain or excessive moisture.*

RECYCLING PROCEDURE/END OF LIFE DISPOSAL

• *To minimize harm to the environment, the batteries supplied with the LCD TV do not contain mercury or nickel cadmium. If possible, when disposing of batteries, use recycling means available in your area.*

• *The LCD TV uses materials that can be recycled. To minimize the amount of waste in the environment, check your area for companies that will recover used televisions for dismantling and collection of reusable materials, or contact your dealer for TV recycling tips.*

• *Please dispose of the carton and packing material through the proper waste disposal management in your area.*

Help

If this instruction manual does not give an answer or if 'Trouble shooting tips' does not solve your TV problem, you can call your Local Magnavox Customer or Service Center.

Please, have the Model and Serial number which you can find at the back of your television set or on the packaging, ready, before calling the Magnavox helpline

1-800-705-2000

Model: 20MF 251W

Serial No:...

Care of the screen See Tips, p. 50

Magnavox is paying a lot of attention to producing environmentally-friendly in product.
Your new TV contains materials which can be recycled and reused.
At the end of its life specialized companies can dismantle the discarded TV to concentrate the reusable materials and to minimize the amount of materials to be disposed of.
Please ensure you dispose of your old TV according to local regulations.

5

For English, French, or Spanish -speaking TV owners, an onscreen LANGUAGE option is present. The LANGUAGE control enables you to set the TV's onscreen menu to be shown in either English, French, or Spanish.

INSTALL

LANGUAGE	◄	ENGLISH ►
TUNER MODE	◄	ANTENNA ►
AUTO PROGRAM	►	
CHANNEL EDIT	►	
FACTORY RESET	►	

⬍MOVE ◄►SELECT   OK RETURN   MENU EXIT

1 Press the MENU button on the remote control to open the onscreen menu.

2 Press the ∧/ ∨ button to highlight the INSTALL menu.

3 Press the ‹ / › button to Highlight LANGUAGE.

4 Press the ‹ / › button to select English, French, or Spanish.

5 Press the OK button to return to the previous menu.

6 Press the MENU button repeatedly to clear the menu from the screen.
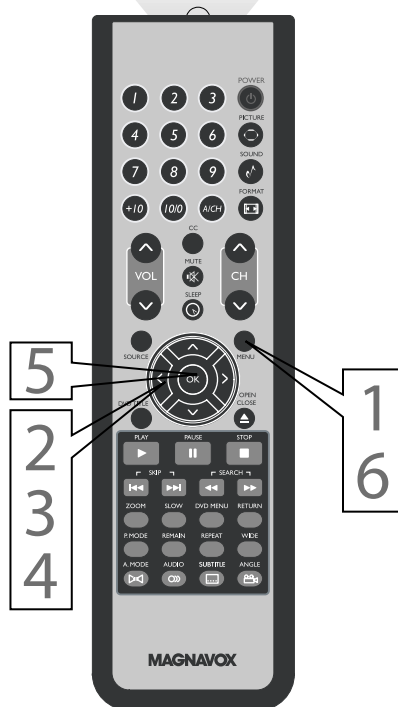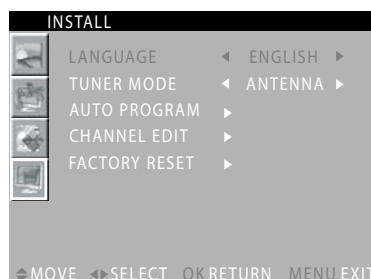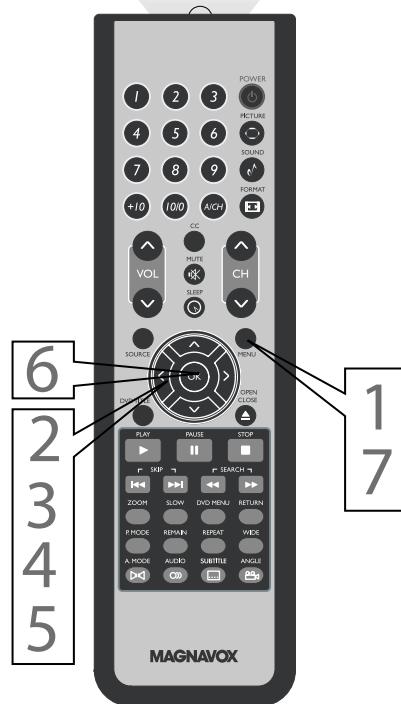

HELPFUL HINT

Remember, the LANGUAGE control makes only the TV's onscreen MENU items appear in English, French, Spanish text. It does not change the other onscreen text features, such as Closed Captioning (CC), with TV shows.

6

*T*he Tuner Mode allows you to change the LCD
TV's signal input to Cable or Air (antenna).
It's important for the LCD TV to know if you want
to receive channels from a cable TV signal or an
antenna signal.

```
INSTALL
    LANGUAGE       ◄ ENGLISH  ►
    TUNER MODE     ◄ ANTENNA  ►
    AUTO PROGRAM   ►
    CHANNEL EDIT   ►
    FACTORY RESET  ►


◆MOVE ◄►SELECT OK RETURN  MENU EXIT
```

1 Press the MENU button to see the onscreen menu.

2 Press the ∧/∨ button to highlight the INSTALL
menu.

3 Press the ⟨ / ⟩ button to enter the
INSTALL.

4 Press the ∧/∨ button to highlight the TUNER
MODE.

5 Press the ⟨ / ⟩ button to select CABLE,
ANTENNA, or AUTO.

6 Press the OK button to return to the previous
menu.

7 Press the MENU button repeatedly to clear the
menu from the screen.

HELPFUL HINT

- When CABLE is selected, channels 2-125 are available.
- When ANTENNA is selected, channels 2-69 are available.
- When AUTO is selected, your LCD TV will search automatically for antenna
  or cable channels.
- Immediately after unpacking and plugging in your new television, run the AUTO
  PROGRAM function to set up the TV for the broadcast or cable channels
  available in your area. If you do not run the auto program function to set up the
  channels, your television may not operate properly.

7

Your LCD TV can automatically set itself for local area (or cable TV) channels. This makes it easy for you to select only the TV stations in your area by pressing the CH (∧) or CH (∨) button.

1   Press the MENU button on the remote control to show the onscreen menu.

2   Press the ∧/∨ button to highlight the INSTALL menu.

3   Press the ⟨ / ⟩ button to enter the INSTALL menu.

4   Press the ∧/∨ button to highlight the AUTO PROGRAM control.

5   Press the ⟨ / ⟩ button to start the AUTO PROGRAM scanning of channels.

6   Press the OK/MENU button to return to the previous menu.

7   Press the MENU button repeatedly to clear the menu from the screen, after AUTO SEARCH has finished.
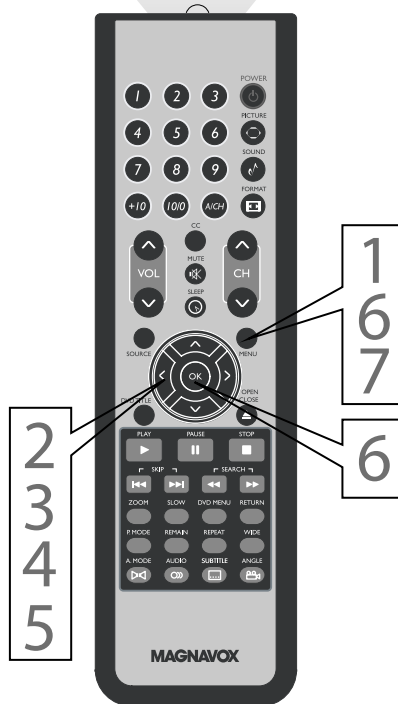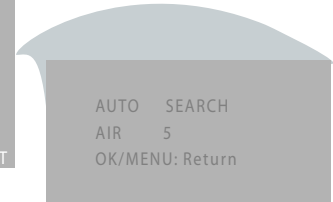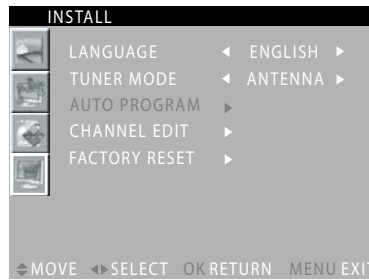
INSTALL

LANGUAGE	◄ ENGLISH ►
TUNER MODE	◄ ANTENNA ►
AUTO PROGRAM	►
CHANNEL EDIT	►
FACTORY RESET	►

⬍MOVE ◄►SELECT OK RETURN MENU EXIT

AUTO SEARCH
AIR 5
OK/MENU: Return

HELPFUL HINT

• Immediately after unpacking and plugging in your new television, run the auto program function to set up the TV for the broadcast or cable channels available in your area. If you do not run the auto program function to set up the channels , your television may not operate properly.

• After you've run Auto Program, check out the results. Press the (CH) button and see which channels you can select.

• Remember, an antenna or cable TV signal must first be connected to your LCD TV.

Channel Edit control lets you edit the channel listing. You can add or remove a channel in the LCD TV's memory.

INSTALL

LANGUAGE	◄	ENGLISH	►
TUNER MODE	◄	ANTENNA	►
AUTO PROGRAM	►		
CHANNEL EDIT	►		
FACTORY RESET	►		

MOVE ◄► SELECT OK RETURN MENU EXIT

CHANNEL EDIT

CURRENT CHANNEL	◄	CATV 1	►
SKIPPED	◄	ACTIVE	►

MOVE ◄► SELECT OK RETURN MENU EXIT

1 Press the MENU button to open the onscreen menu.

2 Press the ∧ / ∨ button to highlight the INSTALL menu, then press the ‹ / › button to enter.

3 Press the ∧ / ∨ button to highlight the CHANNEL EDIT, then press the ‹ / › button to enter.

4 In CURRENT CHANNEL column, press the ‹ / › button to select the channel you wish to add or remove.

5 In SKIPPED column, press the ‹ / › button to select ACTIVE (to add) or SKIPPED (to delete) the channel you selected.

6 Press the OK button to return to the previous menu.

**7** Press the MENU button repeatedly to clear the menu from the screen.
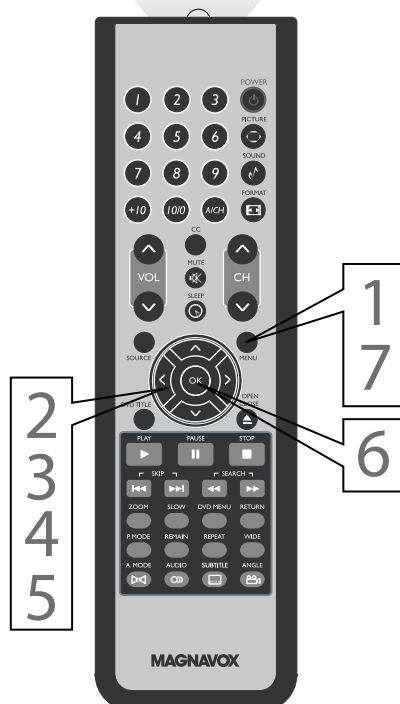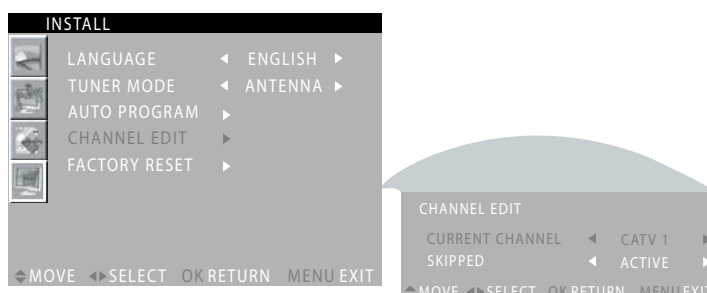
HELPFUL HINT

Repeat steps 4–5 to add or delete additional channels to or from the LCD TV's memory.

9

Your TV can be reset to the original factory settings by performing the following steps.

INSTALL

	LANGUAGE	◄ ENGLISH ►	
	TUNER MODE	◄ ANTENNA ►	
	AUTO PROGRAM	►	
	CHANNEL EDIT	►	
	FACTORY RESET	►	

⬍MOVE ◄►SELECT OK RETURN MENU EXIT

FACTORY RESET

NO
YES

⬍MOVE ◄►SELECT OK SELECT MENU EXIT

1 Press the MENU button on the remote control to see the onscreen menu.

2 Press the ∧ / ∨ button to highlight the INSTALL menu, then press the ⟨ / ⟩ button to enter.

3 Press the ∧ / ∨ button repeatedly to highlight the FACTORY RESET control, then press the ⟨ / ⟩ button to enter.

4 When FACTORY RESET Menu appeared, press the ∧ / ∨ button to select "Yes", and press the ⟨ / ⟩ button or the OK button to reset the original factory settings.

5 Press the MENU button repeatedly to clear the menu from the screen.

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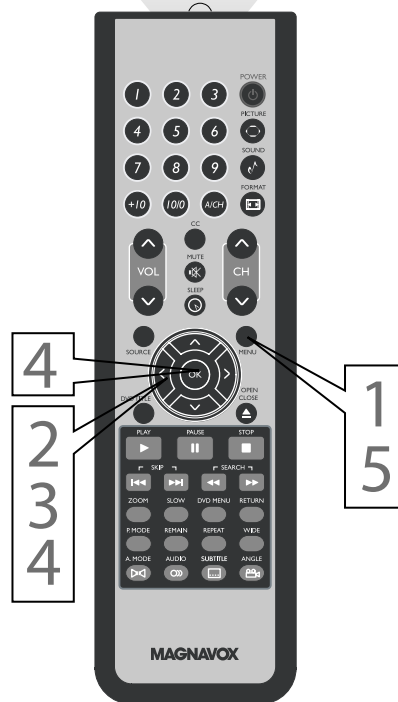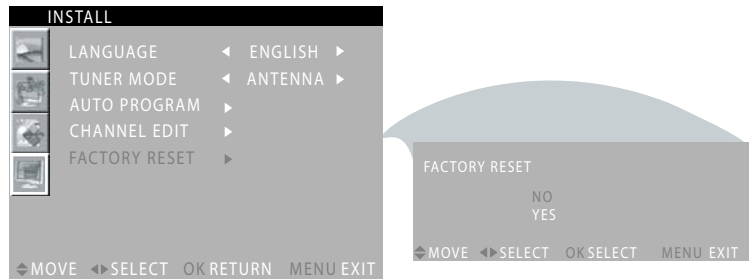
HELPFUL HINT

If you reset the TV to the factory settings, all your present setting on picture, audio, Close Caption and other feature settings will be erased and replaced by the manufacture's default settings. However, your Smart Lock access code will not be erased. Please refer to page 19 for details.

TELEVISION AND REMOTE CONTROL

1 Connect the power plug to the power socket.

2 Press POWER to turn on the LCD TV.

3 Press VOL + to increase the sound level, or press VOL − to decrease the sound level.

4 Press CH + or CH − to select channels.

5 Point the remote control toward on the front of the LCD TV to operate.
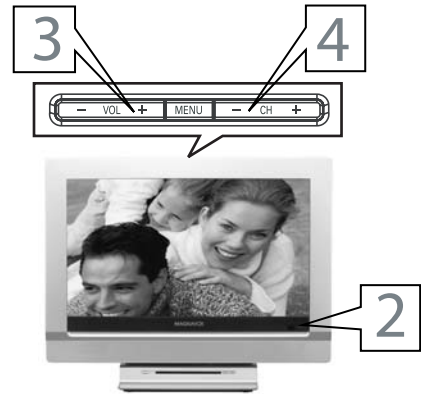
BATTERY INSTALLATION

6 Open the battery compartment on the back of the remote control.

7 Place AAA the remote control. Be sure the (+) and (-) ends of the batteries line up as marked inside the battery compartment.

8 Close the battery compartment.

11
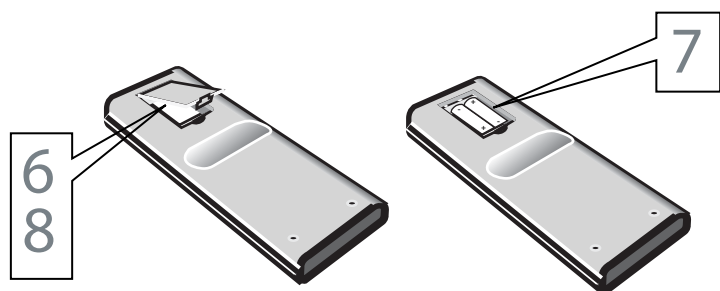
Number buttons

Press to select TV channels.
When selecting single-digit channels, press the number of the desired channel.
The LCD TV will pause for a few seconds then tune to the selected channel.
Note: +10 button is for DVD use.

CC button

Press the CC button to select OFF, CC1, CC2, CC3, CC4, TEXT1, TEXT2, TEXT3, TEXT4, CC MUTE, XDS.

Volume button

Press to increase or decrease the sound level.

Mute button

Press to eliminate or restore the LCD TV sound. Mute will appear on the screen when the sound is muted.

Source button

Press to select the video input source: AV1, AV2, DVD, PC, TV.

Sleep button

Press to set the LCD TV to turn itself off within a certain time.

Direction button

Press to navigate up/down/left/right in onscreen menu.

Standby (Power) button

Press to turn the LCD TV on or off.

Smart Picture button

Press repeatedly to select either Personal, Movie, Sports, Weak signal, Multimedia , or Night picture setting.

Smart Sound button

Press repeatedly to select among the 4 settings; Personal, News, Music, or Theatre.

Picture Format button

Press the FORMAT button repeatedly to toggle among the six screen format sizes: Wide Screen, 4:3, Zoom14:9, Zoom16:9, Subtitle Zoom, Super Wide.

Previous Channel button

Press to go to previously selected channel.

Channel button

Press to adjust the channel up or down.

Menu button

Press to activate onscreen menu, also press to exit the onscreen menu.

OK button

- Press to confirm the option you selected in the onscreen menu.
- Press to return to the previous layout in the OSD screen menu.

12

DVD TITLE button

Use to bring up the DVD title menu.

PLAY button

Use to begin the DVD playback.

PREV/NEXT button

Use to skip to the previous or next chapter .

ZOOM button

Use to zoom the DVD playback picture.

SLOW button

Use to slow the DVD playback speed.

P. MODE button

Use to shift DVD play mode.

REMAIN button

Use to display the time of the DVD playback.

A. MODE button

Use to shift the DVD playback audio mode.

AUDIO button

Use to shift DVD audio language.

OPEN/CLOSE button

Use to eject the disc being played in the disc slot, the main unit must be set to DVD status.

STOP button

Use to stop the DVD playback.

PAUSE button

Use to pause the DVD playback.

FF/FR button

Use to play DVD fast forward/ backward.

DVD MENU button

Use to bring up the DVD root menu.

RETURN button

Return to the previous menu screen.

WIDE button

In DVD mode, use to set TV display mode.

REPEAT button

Use to repeat the DVD playback.

ANGLE button

Use to shift DVD viewing angle.

SUBTITLE button

Use to shift DVD subtitle language.

13

Your LCD TV comes with an onscreen clock. The TV can also be set to turn on or off at a specific time and tune to a specific channel when it powers itself on.

1 Press the SLEEP button on the remote control to show the onscreen menu..

2 Press the SLEEP button repeatedly to select your requiring sleep timing.

OFF

15 Mins

30 Mins

60 Mins

90 Mins

120 Mins

180 Mins

240 Mins
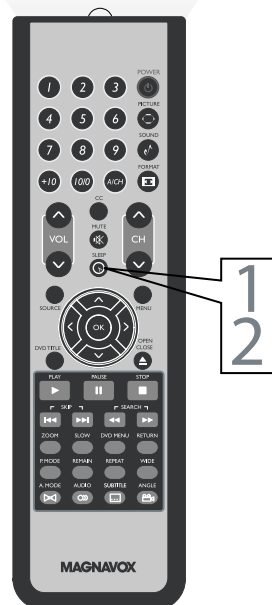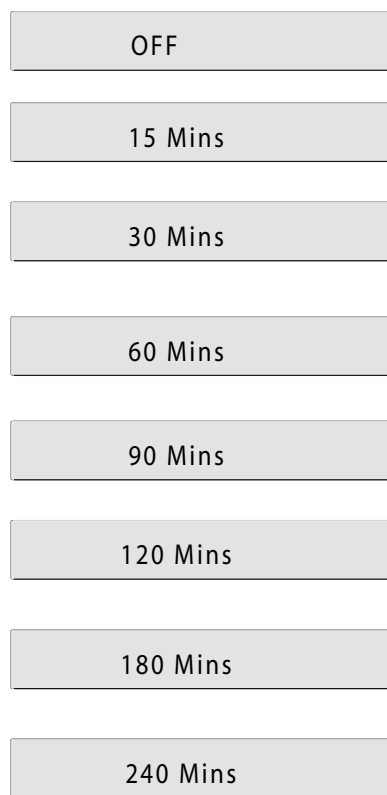
HELPFUL HINT

IMPORTANT
For the Timer to function, the set must not be turned off. Once the set is turned off, the Timer is disabled.

14

To adjust your LCD TV picture, select a channel and follow these steps.

PICTURE

SMART PICTURE	◄ PERSONAL ►	
BRIGHTNESS		
COLOR		
CONTRAST		
SHARPNESS		
TINT		
COLOR TEMP	◄ NORMAL ►	
NOISE REDUCTION	◄ WEAK ►	

MOVE ◄► SELECT OK RETURN MENU EXIT

1 Press the MENU button to see the onscreen menu.

2 When PICTURE menu is highlighted, press the ❮ / ❯ button to enter the PICTURE menu.

3 Press the ∧/∨ button to choose the item you want to adjust: Smart Picture, Brightness, Color, Contrast, Sharpness, Tint, Color Temp, Noise Reduction.

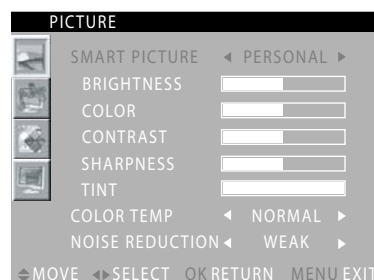> **Smart Picture**: Please refer to page 17, for details on Smart Picture Settings.
> **Brightness**: Adjust to brighten the dark parts of the picture. This appears to add white to the color.
> **Color**: Adjust to add or reduce color.
> **Contrast**: Adjust to "sharpen" the Picture quality. The black portions of the picture become richer in darkness and the white become brighter.
> **Sharpness**: Adjust to improve detail.
> **Tint**: Adjust to obtain natural skin tones.
> **Color Temp**: Allows you to adjust Normal, Cool, Warm.
> **Noise Reduction**: Allows you to adjust Weak, OFF, Strong.

4 Press the ❮/❯ button to adjust the item.

5 Press the ∧/∨ button to select and adjust other picture controls.

6 Press the OK button to return to the previous menu.

7 Press the MENU button repeatedly to remove the menu from the screen.

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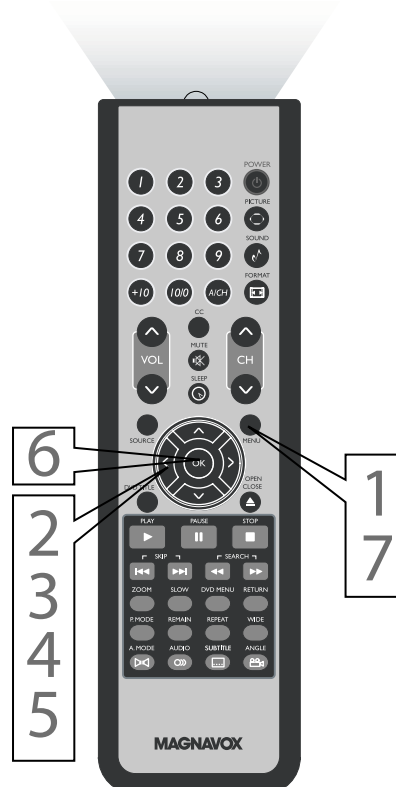
HELPFUL HINT

Any adjustment of Brightness, Color, Contrast or Sharpness will be stored into PERSONAL at Smart Picture section.

15

To adjust your LCD TV Sound, select a channel and follow these steps.

1 Press the MENU button to see the menu.

2 Press the ∧ / ∨ button to highlight the AUDIO menu.

3 Press the ⟨ / ⟩ button to enter the AUDIO menu.

4 Press the ∧ / ∨ button to choose the item you want to adjust: Smart Sound, 120HZ~10KHZ, Balance, Stereo, Virtual Surround, AVL.
Smart Sound: Please refer to page 17 for details on Smart Sound Settings.
120HZ~10KHZ: Allows you to adjust 120HZ, 500HZ, 1K5HZ, 5KHZ, 10KHZ.
Balance: Adjust the balance of the sound.
Stereo: Adjust to select between Stereo, Mono, or SAP.
Virtual Surround: Adds greater depth and dimension to TV sound. Select from Virtual Surround or OFF.
AVL (Auto Volume Leveler): When On, AVL will level out the sound being heard when sudden changes in volume occur during commercial breaks or channel changes.

5 Press the ⟨ / ⟩ button to adjust the item.

6 Press the ∧ / ∨ button to select and adjust other sound controls.

7 Press the OK button to return to the previous menu.

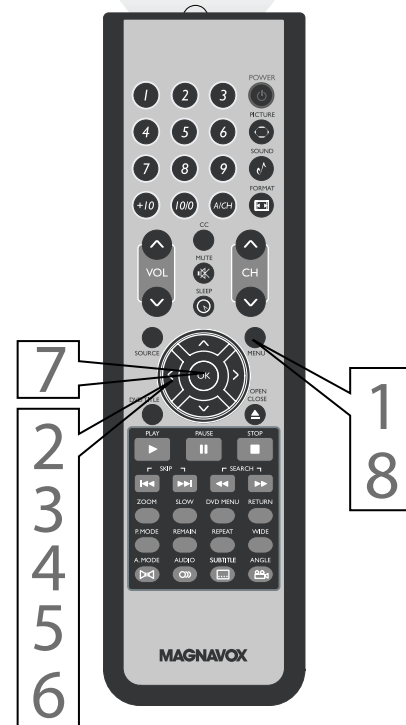**8** Press the MENU button repeatedly to remove the menu from the screen.

| AUDIO		
SMART SOUND	◄ PERSONAL ►	
120HZ		
500HZ		
1K5HZ		
5KHZ		
10KHZ		
BALANCE		
STEREO	◄ STEREO ►	
VIRTUAL SURROUND	◄ OFF ►	
AVL	◄ OFF ►	
⬍MOVE ◄►SELECT OK RETURN MENU EXIT		

HELPFUL HINT

•If Stereo is not presented on a selected show and the TV is placed in Stereo mode, the sound coming from TV will remain in Mono mode.

16

*W*hether you're watching a movie or a video game, your LCD TV has video control preset that will match with your current program source or content. Smart Picture quickly resets your TV's video controls for a number of different types of programs and viewing conditions that you may have in your home. The Movie, Sports, Weak Signal, Multimedia, and Night, Smart Picture controls have been preset at the factory to easily adjust the TV's brightness, color, picture, sharpness, tint, and color temperature levels. In the Personal smart picture mode you can create your own preferred video settings.

PERSONAL

MOVIE

NIGHT

MULTIMEDIA

SPORTS

WEAK-SIGNAL

1 Press the PICTURE button on the remote control. The current Smart Picture setting will appear on the screen.

2 Press the PICTURE button repeatedly to select either Personal, Movie, Night, Multimedia, Sports, Weak-Signal.

Note: The settings of the Personal smart picture mode can be adjusted in picture options within the onscreen menu. The Personal mode is the only mode which can be adjusted by the user via the onscreen picture control menu.
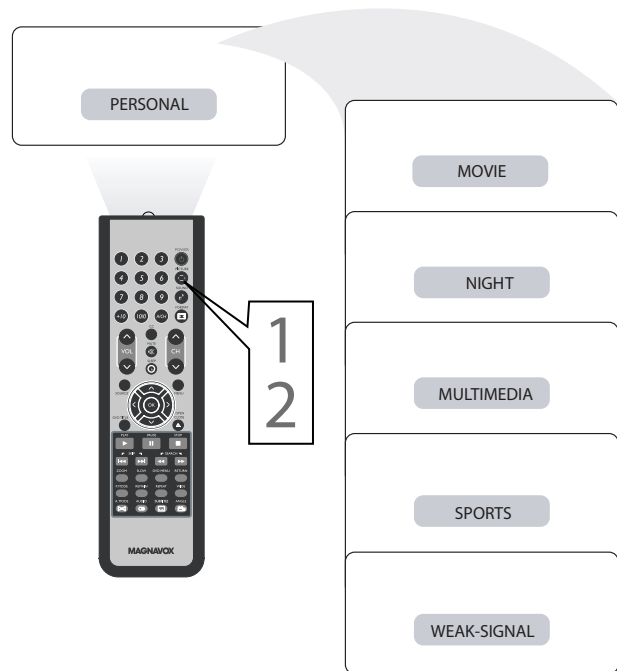
*S*mart Sound allows you to select from three user presets and a personal mode that you set according to you own preferences through the onscreen Sound menu. The four user presets(Personal, News, Music, and Theatre) enable you to tailor the TV sound so as to enhance the particular program you are watching. Following these steps to select any of the options.

PERSONAL

NEWS

MUSIC

THEATRE

1 Press the SOUND button on the remote control. The current Smart Sound setting will appears on the screen.

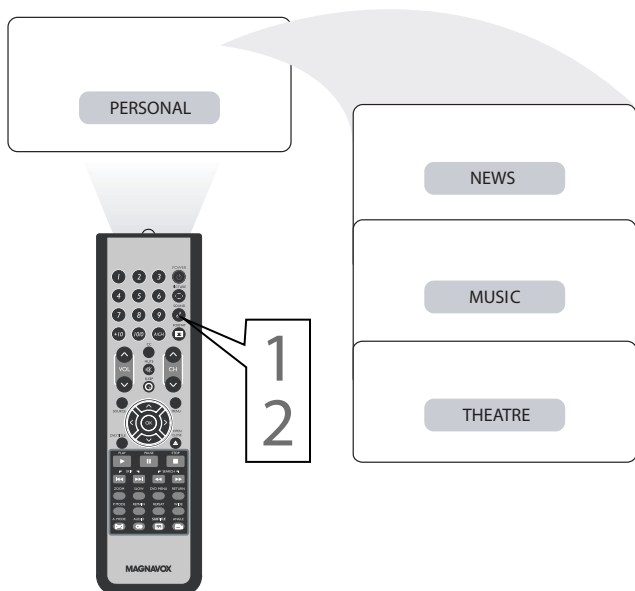2 Press the SOUND button repeatedly to toggle among the four setting: Personal, News, Music, or Theatre.

Note: The settings of the Personal smart sound mode can be adjusted in sound control within the onscreen menu. The Personal mode is the only mode which can be adjusted by the user via the onscreen sound control menu.

17

The SMART Lock feature is an integrated circuit that receives and processes data sent by broadcasters, or other program providers, that contain program content advisories. When programmed by the viewer, a TV with SMART Lock can respond to the content advisories and block program content that may be found objectionable (such as offensive language, violence, sexual situations, etc.). This is a great feature to censor the type of viewing children may watch.

SMART Lock offers various BLOCKING controls from which to choose:

Password - A password must be set to prevent children from unblocking questionable or censored programming set by their parents.

Block Enable - After a password code has been programmed, you can block programming depending on the received rating and user setting.

Movie Ratings - Certain blocking options exist which will block programming based on ratings patterned by the Motion Pictures Association of America.

TV Ratings - Just like the Movie Ratings, programs can be blocked from viewing using standard TV ratings set by TV broadcasters.

FEATURES		
G	OFF	
PG	OFF	
PG-13	OFF	
R	OFF	
NC-17	OFF	
X	OFF	

⬍ MOVE ◄► MOVE OK SELECT MENU RETURN

FEATURES	ALL	FV	V	S	L	D
Y	OFF					
Y7	OFF	OFF				
G	OFF					
PG	OFF		OFF	OFF	OFF	OFF
14	OFF		OFF	OFF	OFF	OFF
MA	OFF		OFF	OFF	OFF	

⬍ MOVE ◄► MOVE OK SELECT MENU RETURN

MOVIE RATINGS

G: General Audience - All ages admitted.
Most parents would find this program suitable for all ages. This type of programming contains little or no violence, no strong language, and little or no sexual dialog or situations.

PG: Parental Guidance Suggested - This programming contains material that parents may find unsuitable for younger children. It may contain one or more of the following: moderate violence, some sexual situations, infrequent coarse language, or some suggestive dialog.

PG-13: Parents Strongly Cautioned -
This programming contains material that parents may find unsuitable for children under the age of 13. It contains one or more of the following: violence, sexual situations, coarse language, or suggestive dialog.

R: Restricted -This programming is specifically designed for adults. Anyone under the age of 17 should only view this programming with an accompanying
parent or adult guardian. It contains one or more of the following: intense violence, intense sexual situations, strong coarse language, or intensely suggestive dialog.

NC-17: No children under the age of 17 will be admitted. - This type of programming should be viewed by adults only. It contains graphic violence, explicit sex, or crude, indecent language.

X: Adults Only - This type of programming contains one or more of the following: very graphic violence, very graphic and explicit or indecent sexual acts, and very coarse and intensely suggestive language

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TV RATINGS

TV-Y All children - Appropriate for all children. Designed for a very young audience, including children ages 2-6. This type of programming is not expected to frighten younger children.

TV-Y7 Directed to Older Children - Designed for children age 7 and above. It may be more appropriate for children who can distinguish between make-believe and reality. This programming may include mild fantasy and comic violence (FV or fantasy violence).

TV-G General Audience - Most parents would find this programming suitable for all ages. This type of programming contains little or no violence, no strong language, and little or no sexual dialog or situations.

TV-PG Parental Guidance Suggested -
Contains material that parents may find unsuitable for younger children. This type of programming contains one or more of the following: Moderate violence (V), some sexual situations (S), infrequent coarse language (L), or some suggestive dialog (D).

TV-14 Parents Strongly Cautioned -
Contains some material that many parents would find unsuitable for children under age 14. This type of programming contains one or more of the following: intense violence (V), intense sexual situations (S), strong coarse language (L), or intensely suggestive dialog (D).

TV-MA Mature Audience Only -
Specifically designed to be viewed by adults and may be unsuitable for children under 17. This type of programming contains one or more of the following: graphic violence (V), explicit sexual situations (S), or crude, indecent language (L)

HELPFUL HINT

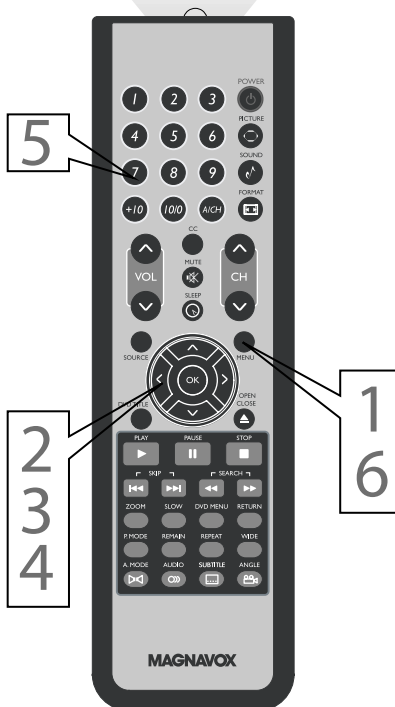Remember that 0711 is the default Smart Lock code. If your access code has been changed by someone other than you (a child, for example) or you have forgotten the code, you can always get in by inputting the default code.

18

*O*ver the next few pages you'll learn how to block programs and understand the rating terms for certain broadcasts. First, set password.

FEATURES

SOURCE	◄ TV ►	
PICTURE FORMAT	◄ WIDE SCREEN ►	
SMART LOCK	►	
CLOSED CAPTION	◄ OFF ►	
SLEEP TIME	◄ OFF ►	

⬍MOVE ◄►SELECT OK RETURN MENU EXIT

Input Password:
   Password – – – –

1 Press the MENU button to see the onscreen menu.

2 Press the ⋀ / ⋁ button to highlight the FEATURES menu, then press the ⟨ / ⟩ button to enter.

3 Press the ⋀ / ⋁ button to select SMART LOCK.

4 Press the ⟨ / ⟩ button INPUT PASSWORD will appear on the screen.

5 Enter a four-digit code using the Number buttons.

6 Press the MENU button repeatedly to remove the menu from the screen.
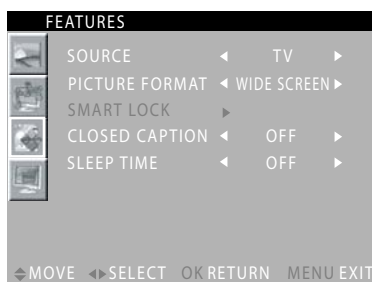
HELPFUL HINT

Remember that 0711 is the default Smart Lock code. If your access code has been changed by someone other than you (a child, for example) or you have forgotten the code, you can always get in by inputting the default code.
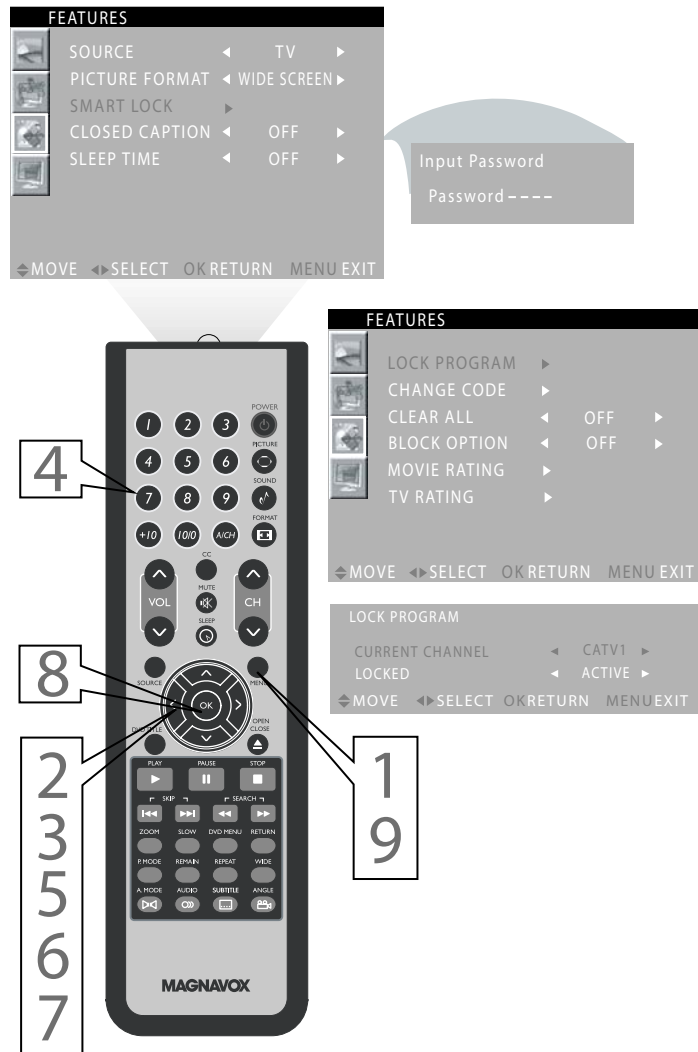
NOTE TO PARENTS:

It is not possible for your child to unblock a channel without knowing your access code or changing it to a new one. If your code has been changed without your knowledge, then you will become aware that blocked channels may have been viewed.

19

After your personal password has been set (see the previous page), you are ready to select the channels or inputs you want to block out or censor.
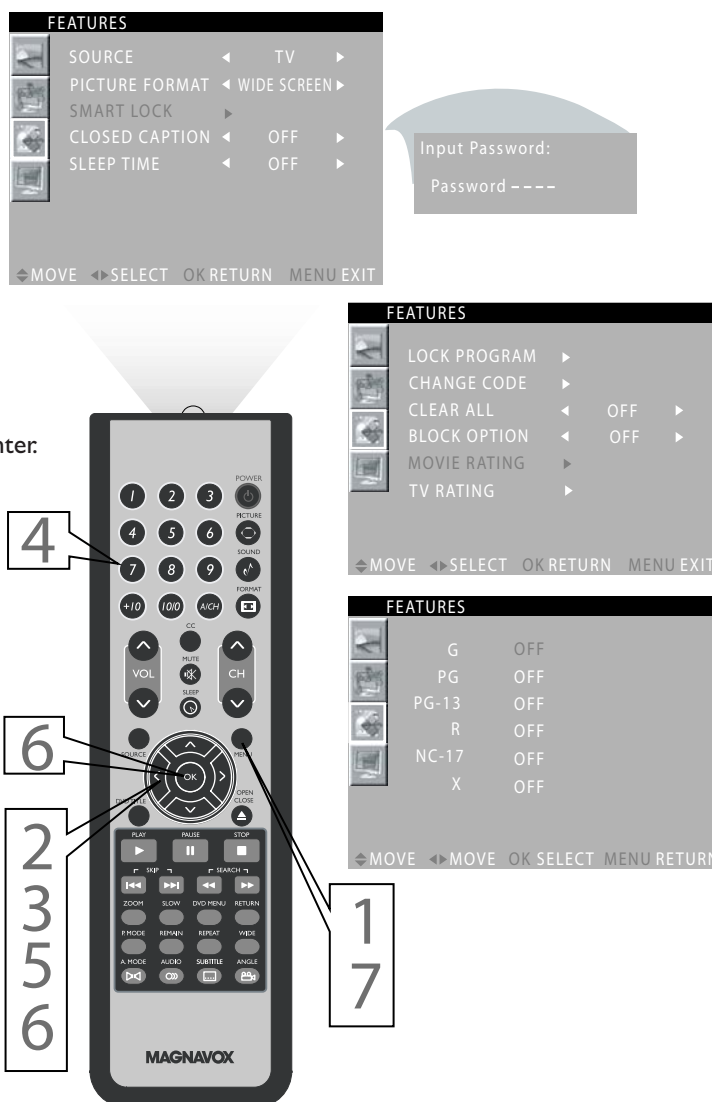
FEATURES

SOURCE	◄	TV	►
PICTURE FORMAT	◄	WIDE SCREEN	►
SMART LOCK	►		
CLOSED CAPTION	◄	OFF	►
SLEEP TIME	◄	OFF	►

⬍MOVE ◄►SELECT OK RETURN MENU EXIT

Input Password

Password – – – –

1 Press the MENU button to see the onscreen menu.

2 Press the ⋀ / ⋁ button to highlight the FEATURES menu, then press the ⟨ / ⟩ button to enter.

3 Press the ⋀/ ⋁ button to select SMART LOCK, then press the ⟨ / ⟩ button to enter.

4 Use the Number buttons to enter your access code.

5 When LOCK PROGRAM is highlighted, press the ⟨ / ⟩ button to enter.

6 In CURRENT CHANNEL column, press the ⟨ / ⟩ button to select the current channel you want to block.

7 In LOCKED column, press the ⟨ / ⟩ button to select LOCKED(block current selected channel) or ACTIVE(unblock a channel).

8 Press the OK button to return to the previous menu.

9 Press the MENU button repeatedly to remove the menu from the screen.

FEATURES

LOCK PROGRAM	►		
CHANGE CODE	►		
CLEAR ALL	◄	OFF	►
BLOCK OPTION	◄	OFF	►
MOVIE RATING	►		
TV RATING	►		

⬍MOVE ◄►SELECT OK RETURN MENU EXIT

LOCK PROGRAM

CURRENT CHANNEL	◄	CATV1	►
LOCKED	◄	ACTIVE	►

⬍MOVE ◄►SELECT OK RETURN MENU EXIT

MAGNAVOX

20

*T*he Smart Lock feature can block programm-ing based on the Movie Industry ratings. Once you've entered your access code and the SMART Lock features are displayed on the screen:

1 Press the MENU button to see the onscreen menu.

2 Press the ∧ / ∨ button to highlight the FEATURES menu, then press the 〈 / 〉 button to enter.

3 Press the ∧ / ∨ button to select SMART LOCK, then press the 〈 / 〉 button to enter. Input Password will appear on the screen.

4 Please use the Number buttons to enter your 4 digits password.

5 Press the ∧ / ∨ button to select MOVIE RATING, then press the 〈 / 〉 button to enter.

6 Press the ∧ / ∨ button to highlight any of the Movie Rating options. When highlighted, press the OK button repeatedly and all these options can be (ON) blocked or (OFF) unblocked.

7 Press the MENU button to return to the previous menu.

FEATURES

SOURCE	◄	TV	►
PICTURE FORMAT	◄	WIDE SCREEN	►
SMART LOCK			►
CLOSED CAPTION	◄	OFF	►
SLEEP TIME	◄	OFF	►

♦MOVE ◄►SELECT OK RETURN MENU EXIT

Input Password:

Password – – – –

FEATURES

LOCK PROGRAM			►
CHANGE CODE			►
CLEAR ALL	◄	OFF	►
BLOCK OPTION	◄	OFF	►
MOVIE RATING			►
TV RATING			►

♦MOVE ◄►SELECT OK RETURN MENU EXIT

FEATURES

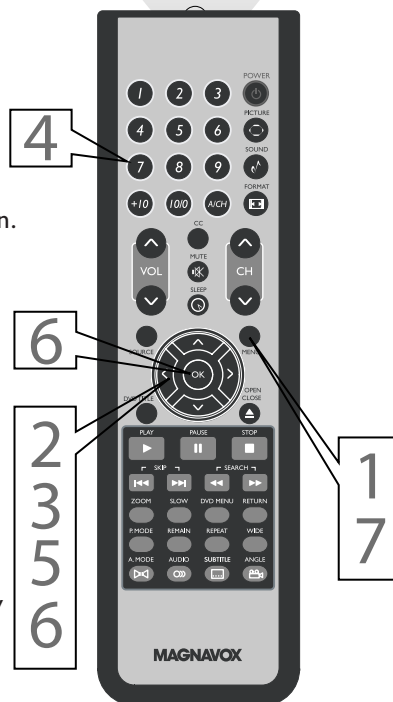| G | OFF |
PG	OFF
PG-13	OFF
R	OFF
NC-17	OFF
X	OFF

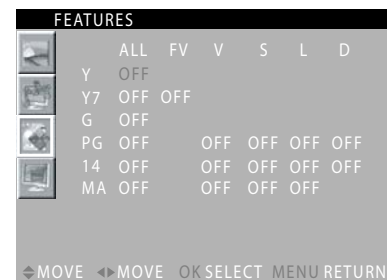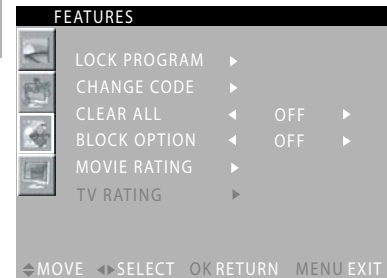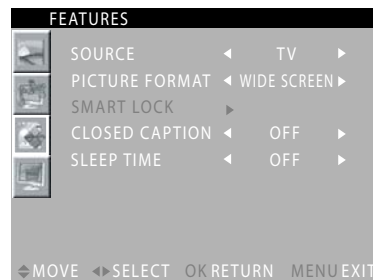♦MOVE ◄►MOVE OK SELECT MENU RETURN

HELPFUL HINT

When a rating is chosen to be blocked, any higher level rating will also be blocked from viewing. (i.e.: If "R" is selected to be blocked, NC-17 and X will automatically be blocked.)
When a rating is set to unblock, only the selected rating will be unblocked (Ratings lower will not automatically be unblocked.)

21

The SMART Lock feature can block programming based on the TV Industry ratings.Once you've entered your access code and the SMART Lock features are displayed on the screen.

FEATURES

SOURCE	◄	TV	►
PICTURE FORMAT	◄	WIDE SCREEN	►
SMART LOCK	►		
CLOSED CAPTION	◄	OFF	►
SLEEP TIME	◄	OFF	►

⬍MOVE ◄►SELECT OK RETURN MENU EXIT

Input Password:

Password – – – –

FEATURES

LOCK PROGRAM	►		
CHANGE CODE	►		
CLEAR ALL	◄	OFF	►
BLOCK OPTION	◄	OFF	►
MOVIE RATING	►		
TV RATING	►		

⬍MOVE ◄►SELECT OK RETURN MENU EXIT

FEATURES

	ALL	FV	V	S	L	D
Y	OFF					
Y7	OFF	OFF				
G	OFF					
PG	OFF		OFF	OFF	OFF	OFF
14	OFF		OFF	OFF	OFF	OFF
MA	OFF		OFF	OFF	OFF	

⬍MOVE ◄►MOVE OK SELECT MENU RETURN

1 Press the MENU button to see the onscreen menu.

2 Press the ∧ / ∨ button to highlight the FEATURES menu, then press the ‹ / › button to enter.

3 Press the ∧ / ∨ button to highlight SMART LOCK, then press the ‹ / › button to enter. Input Password will appear on the screen.

4 Use the Number buttons to enter your 4 digits access code.

5 Press the ∧ /∨ button to select TV RATING, press the ‹ /› button to enter.

6 Press the direction buttons to highlight any of the TV Rating options. When highlighted, press OK repeatedly and all these options can be (ON) blocked or (OFF) unblocked.

7 Press the MENU button to return to the previous menu.

MAGNAVOX

HELPFUL HINT

• When a rating is chosen to be blocked, any higher level rating will also be blocked from viewing. (i.e.: If "PG" is selected to be blocked, 14 and MA will automatically be blocked.) When a rating is set to unblock, only the selected rating will be unblocked (Ratings lower will not automatically be unblocked.)
• Remember that 0711 is the default Smart Lock code.

*Y*ou can change the picture format size to match the type of program you are watching. Select the Wide Screen, 4:3, Zoom14:9, Zoom16:9, Subtitle Zoom, Super Wide.

	FEATURES			
	SOURCE	◄	TV	►
	PICTURE FORMAT	◄ WIDE SCREEN ►		
	SMART LOCK	►		
	CLOSED CAPTION	◄	OFF	►
	SLEEP TIME	◄	OFF	►

‡MOVE ◄►SELECT OK RETURN   MENU EXIT

1 Press the MENU button to see the onscreen menu.

2 Press the ∧/∨ button to highlight the FEATURES menu, then press the ⟨ / ⟩ button to enter.

3 Press the ∧/∨ button to highlight the PICTURE FORMAT, then press the ⟨ / ⟩ button to select your choice.

4 Press the OK button to return to the previous menu.

Note: Press the FORMAT button repeatedly to toggle among the six screen format Wide Screen, 4:3, Zoom14:9, Zoom16:9, Subtitle Zoom, Super Wide.

5 Press the MENU button repeatedly to remove the menu from the screen.

23
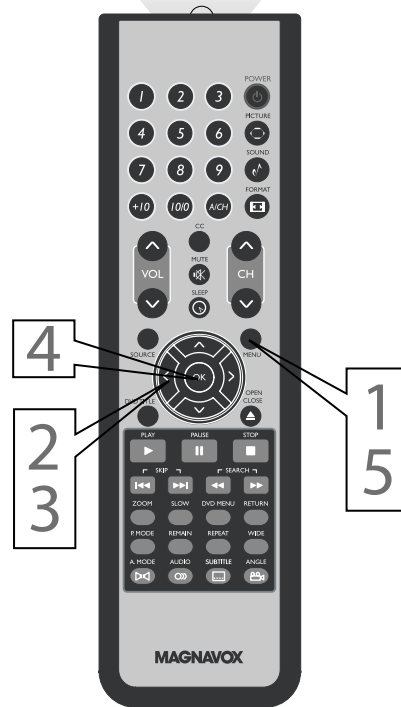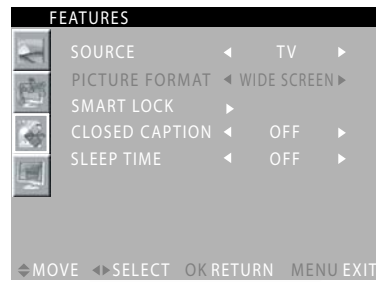
Closed Captioning (CC) allows you to read the voice content of television programs on the TV screen. Designed to help the hearing impaired, this feature uses onscreen "text boxes" to show dialogue and conversations while the TV program is in progress.

FEATURES

SOURCE	◄	TV	►
PICTURE FORMAT	◄	WIDE SCREEN	►
SMART LOCK	►		
CLOSED CAPTION	◄	OFF	►
SLEEP TIME	◄	OFF	►

⬍MOVE ◄►SELECT OK RETURN   MENU EXIT

1 Press the MENU button to see the onscreen menu.

2 Press the ∧/∨ button to highlight the FEATURES menu, then press the ⟨ / ⟩ button to enter.

3 Press the ∧/∨ button to select CLOSED CAPTION.

4 Press the ⟨ / ⟩ button to select the closed caption you want: OFF, CC1, CC2, CC3, CC4, TEXT1, TEXT2, TEXT3, TEXT4, CC MUTE, XDS.

5 Press the OK button to return to the previous menu.

6 Press the MENU button repeatedly to remove the menu from the screen.

Note: Closed Caption can also be activated by pressing CC button on your remote control.
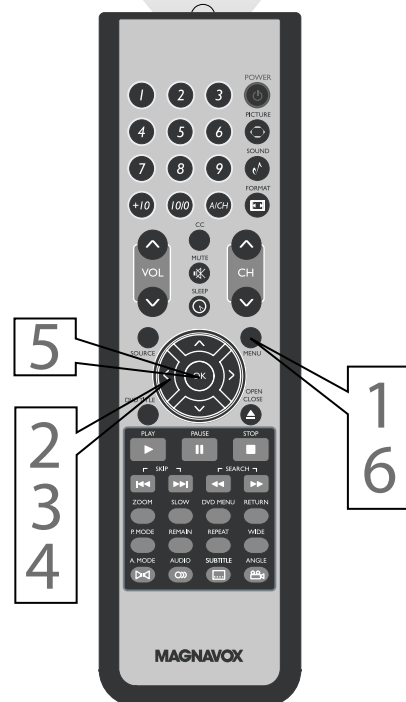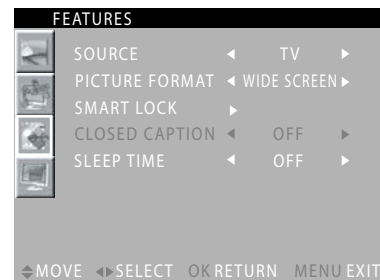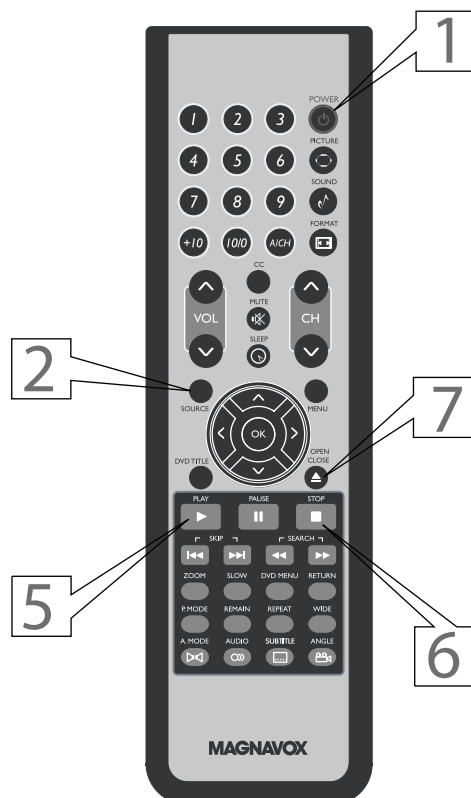
HELPFUL HINT

Not all TV programs and product commercials are broadcast with Closed Captioning (CC). Nor are all Closed Captioning MODES (CAPTION 1–4 or TEXT 1–4) necessarily being used by broadcast stations during the transmission of a program offering Closed Captioning. Refer to your area's TV program listings for the stations and times of shows being broadcast with Closed Captioning.

24

Play Discs

1 Press POWER to turn on the unit.

2 Press the SOURCE button repeatedly to select DVD. Press OK button to confirm.

3 Insert a disc into the disc slot, with the label side facing to yourself.

4 The unit begins to read the disc.

5 Press PLAY(▶) to play the disc.

6 Press STOP(■) to stop playback.

7 Press the open button (▲) on the remote control to remove the disc and turn off the unit.

HELPFUL HINT

If playing a DVD, the TV screen shows DVD menu or title menu.
If playing a CD, press PLAY (▶), and the unit plays the disc according to the track numbers.
You have to press STOP(■) button twice time to stop playback of a DVD disc.
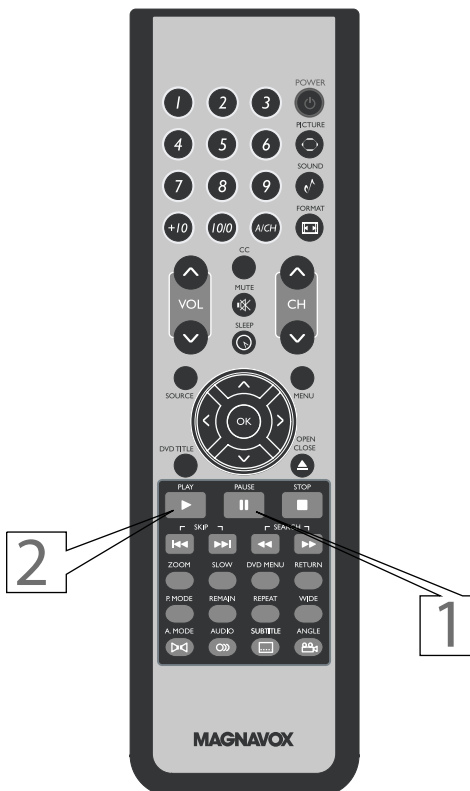
Pause (DVD)

1 Press PAUSE (❚❚) to pause playback of DVD while it is playing.

2 Press PLAY(▶) to resume playback.

Pause (CD)

1 Press PAUSE (❚❚) to pause playback of CD while it is playing.

2 Press PLAY(▶) to resume playback.

HELPFUL HINT

Each time you press PAUSE (❚❚) , the picture advances one frame while a DVD disc being played.

26

DVD Menu Play

Some DVDs have title menus and chapter menus.

1 Press PLAY(►), the screen shows the menu.

2 Press ►►| or |◄◄ to skip to the next or previous page.

3 Select the item you want with number buttons or direction buttons.

4 Press DVD TITLE button once to return to the title menu.

5 Press DVD MENU button once to return to the root menu; press it again to resume to play.

Root Menu	1. ....
	2. ....
	....
	11. ....

MAGNAVOX

27
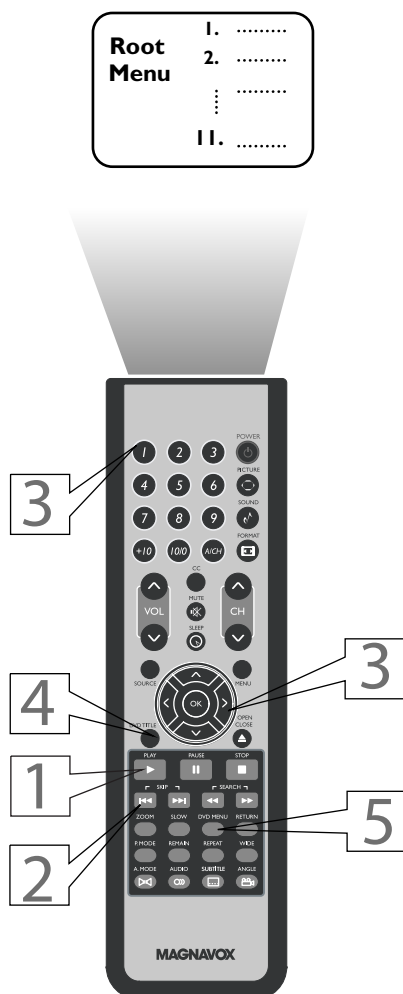
Select with Number Buttons

*L*oad a disc. Press number buttons to select tracks
after the unit finishes reading the disc.

TRACK08/20　00:00

TRACK12/20　00:00

To select track number smaller than 10

1 Press **1-10/0** number buttons to select desired track.

To select track number greater than 10

2 Press **+10** number buttons once.

3 And press **1-10/0** number buttons to select desired track.

28
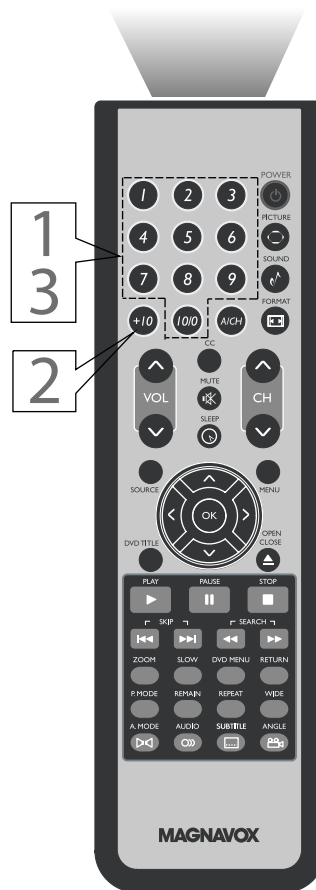
Audio Language

*W*hile playing a DVD disc with multiple audio languages, you can change the audio language.

1   Press AUDIO button repeatedly to select the desired audio language.

Audio Channel

*Y*ou can also change the audio channel output from a multi-channel DVD or CD disc.

2   Press A.MODE button repeatedly to select the desired audio channel output.
    The audio channel output options as follows:
    MONO LEFT, MONO RIGHT,
    MIXED MONO and STEREO.

---

HELPFUL HINT

Different discs may differ in the audio languages available.
Different discs may differ in the audio channels available.

29

Fast Play

*W*hen playing a disc, you can play it in fast-forward or fast-reverse mode to find what you want to view.

1. While disc is playing, press ►► to play in fast-forward mode. Each time you press the ►► button, the speed changes as follows: ►►2X→►►4X→►►8X→ ►►16X→►►32X→Normal Playback.

2. While disc is playing, press ◄◄ to play in fast-reverse mode. Each time you press the ◄◄ button, the speed changes as follows: ◄◄ 2X→◄◄4X→◄◄8X→ ◄◄ 16X→◄◄32X→Normal Playback.

3. Press PLAY (►) to switch to normal play while in fast-forward or fast-reverse playing mode.
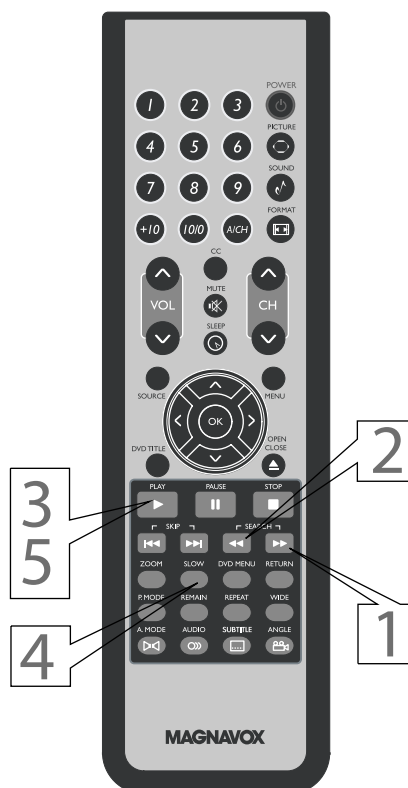
Slow Play

*E*njoy slow motion by the following the steps below.

4. Press SLOW button to play in slow motion. Each time SLOW button is pressed, the speed changes as follows: ►1/2 → ► 1/4→►1/8→►1/16→ ◄ 1/2 → ◄ 1/4→◄ 1/8→◄1/16→Normal Playback

5. Press PLAY(►) to resume play at normal speed.

30

Repeat Play

This function can be used to repeatedly play a title, chapter, track, or a whole disc.

To Repeat a Title, Chapter or Disc

1 Press REPEAT button repeatedly to select the followings:
- ↻ CHAPTER: repeats the currently playing chapter.
- ↻ TITLE: repeats the currently playing title.
- ↻ ALL: repeats the currently playing disc.

To Repeat a Track or Disc

2 Press REPEAT button repeatedly to select the followings:
- ↻ TRACK: repeats the currently playing track.
- ↻ ALL: repeats the currently playing disc.

To Cancel Repeat

3 Press REPEAT button repeatedly until no ↻ icon is shown on the screen.

Angles Select

Some discs have images with different viewing angles, you may select among them. For example, when you watch a running train, you may watch it from the front, the left window or the right window without stopping it.

4 Press ANGLE button repeatedly to select the desired angle number.

5 To resume normal playback, press ANGLE button to select original angle.

HELPFUL HINT

The 📹 icon and angle number will not be displayed if the disc was created with only one angle.

31

Zoom Play

This function can be used to watch motion or motionless picture.

1 Press ZOOM button repeatedly to select the followings: 2X, 3X, 4X, 1/2 , 1/3 , and 1/4 .

2 Press $\langle$, $\wedge$, $\vee$, $\rangle$ to move the enlarged picture.

3 To resume the picture, press ZOOM button until the picture is in normal size.

Select Subtitles

This operation works only with discs with multiple subtitle languages recorded.

4 Press SUBTITLE button repeatedly until the desired language is selected.

5 Press SUBTITLE button until the screen shows "TURN OFF SUBTITLES".
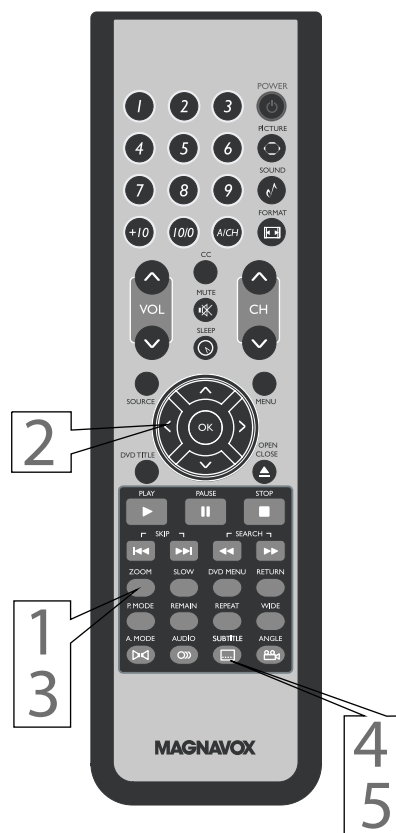
HELPFUL HINT

For some discs, subtitles cannot be removed.

Different discs differ in the language of subtitles.

If the subtitles of discs cannot be selected, the screen shows " $\oslash$ " when you press SUBTITLE button.

32

Shuffle (Random) Play

*T*he unit can play DVD chapters or audio tracks in
random order.

The order is different each time.

1 Press P.MODE button to select shuffle or
random play mode when a disc is playing.

2 To cancel shuffle or random playback, press
STOP (■) button twice.

HELPFUL HINT

The playback order is different each time

33

Program Play

To use the program playback feature, you must enter the order in which you want the titles (and chapters) on the DVD or the tracks on the CD to play by creating a program.

DVD

1 Press P.MODE button until the screen shows:

```
PROGRAM: TT(20)/CH ( – – )
01 TT:_ _   CH:_ _   06 TT:_ _   CH:_ _
02 TT:_ _   CH:_ _   07 TT:_ _   CH:_ _
03 TT:_ _   CH:_ _   08 TT:_ _   CH:_ _
04 TT:_ _   CH:_ _   09 TT:_ _   CH:_ _
05 TT:_ _   CH:_ _   10 TT:_ _   CH:_ _
        EXIT              NEXT ▶▶|
```

2 Use the number buttons on the remote to enter the title (and chapter) you want to play first. The title (and chapter) number you entered appears in the box. For example: Enter Chapter 1 in Title 8, the screen shows:

```
PROGRAM: TT(20)/CH ( – – )
01 TT :0 8  CH:0 I  06 TT:_ _   CH:_ _
02 TT:_ _   CH:_ _  07 TT:_ _   CH:_ _
03 TT:_ _   CH:_ _  08 TT:_ _   CH:_ _
04 TT:_ _   CH:_ _  09 TT:_ _   CH:_ _
05 TT:_ _   CH:_ _  10 TT:_ _   CH:_ _
        EXIT    START    NEXT ▶▶|
```

3 Continue adding title (and chapter) until your program is complete. You can play your program by highlighting START and press PLAY button.

4 To remove program playback, press the STOP button twice during the program play.
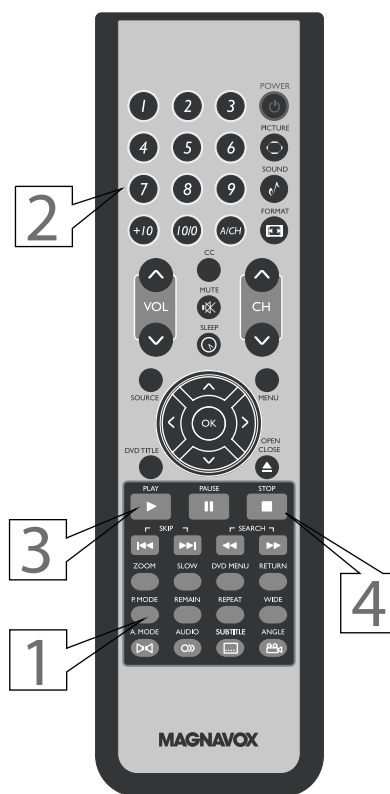
HELPFUL HINT

If you want to program more than 10 titles (and chapters), highlight NEXT and press PLAY to go to the next page. Proceed to program 11-20 in the same way titles 1-10 were programmed.

34

Program Play

CD

1 Press P.MODE button until the screen shows:

```
PROGRAM: TRACK (01–20)
01 _ _        06 _ _
02 _ _        07 _ _
03 _ _        08 _ _
04 _ _        09 _ _
05 _ _        10 _ _
      EXIT         NEXT ▶▶|
```

2 Use the number buttons on the remote to enter the track number you want to play first. The track number entered appears in the box. The example: To program track 8 of a CD to play first, enter 8, and the screen shows:

```
PROGRAM: TRACK (01–20)
01 08         06 _ _
02 _ _        07 _ _
03 _ _        08 _ _
04 _ _        09 _ _
05 _ _        10 _ _
      EXIT    START   NEXT ▶▶|
```
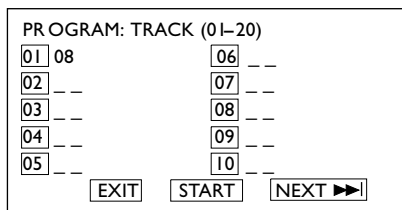
3 Continue adding tracks until your program is complete. You can play your program by highlighting START and press PLAY button.

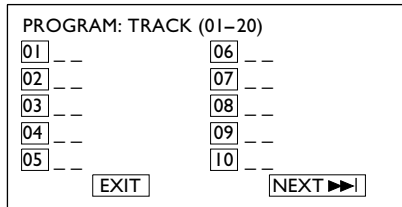4 To remove program playback, press the STOP button during the program play.
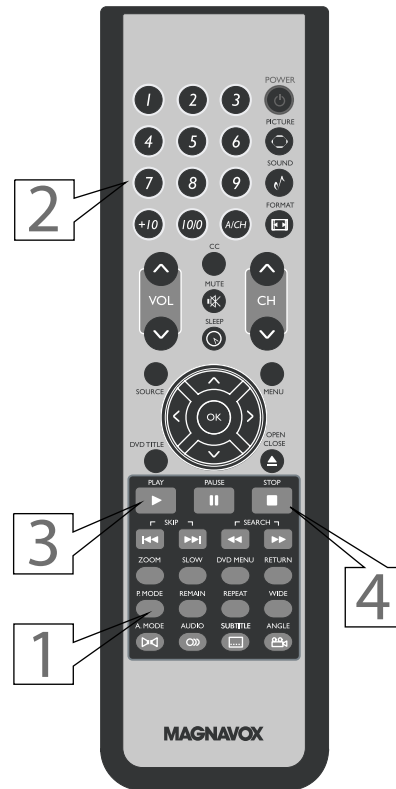
HELPFUL HINT

If you want to program more than 10 tracks, highlight NEXT and press PLAY to go to next page. Program 11-20 in the same way 1-10 were programmed.

*A*ccording to the disc information, set the following functions for the player to obtain the best playing status.

*F*or English, French, or Spanish -speaking TV owners, an onscreen *OSD LANGUAGE* option is present. The OSD LANGUAGE control enables you to set the DVD's onscreen menu to be shown in either English, French, or Spanish.

-- GENERAL SETUP PAGE--

GENERAL SETUP	OSD LANG
AUDIO SETUP	CAPTIONS
VIDEO SETUP	PASSWORD
EXIT	PARENTAL
	DEFAULT

-- GENERAL SETUP PAGE--

OSD LANG ▸	· ENGLISH
CAPTIONS ▸	· FRANÇAIS
PASSWORD ▸	· ESPAÑOL
PARENTAL ▸	
DEFAULT ▸	

1 Press the MENU button on the remote control to open the onscreen menu.

2 When GENERAL SETUP is highlighted, press the 〉 button to enter.

3 When the OSD LANG is highlighted, press the 〉 button to enter the OSD LANG menu.

4 Press the ∧/∨ button to select English, French or Spanish, then press the OK button to confirm.

5 Press the 〈 button to return to the previous menu.

6 Press the MENU button repeatedly to clear the menu from the screen.
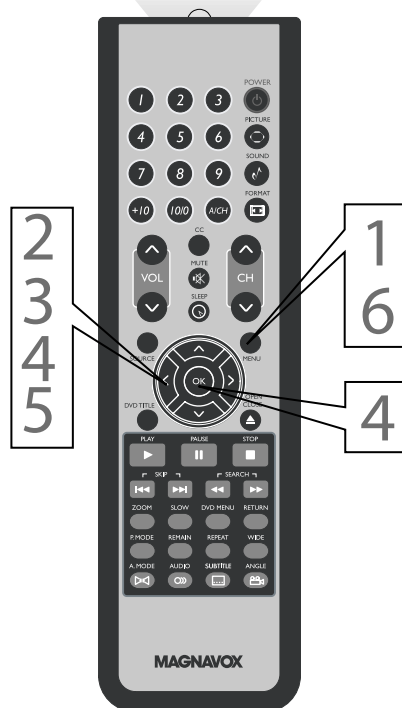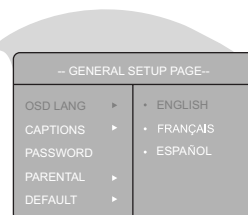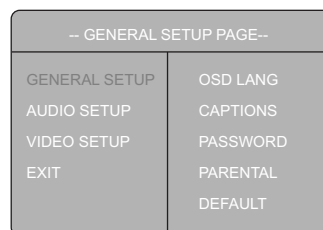
HELPFUL HINT

Remember, the OSD LANG control makes only the DVD's OSD SETUP menu items appear in English, French, Spanish text.

36

1 Press the MENU button on the
remote control to open the onscreen menu.

2 When GENERAL SETUP is highlighted,
press the ❯ button to enter.

3 Press the ∧/∨ button to select CAPTIONS,
then press the ❯ button to enter.

4 Press the ∧/∨ button to select ON or OFF,
then press OK to confirm.

5 Press the ❮ button to return to the
previous menu.

6 Press the MENU button repeatedly to clear the
menu from the screen.

```
-- GENERAL SETUP PAGE--

GENERAL SETUP      OSD LANG
AUDIO SETUP        CAPTIONS
VIDEO SETUP        PASSWORD
EXIT               PARENTAL
                   DEFAULT
```

```
-- GENERAL SETUP PAGE--

OSD LANG      ▸
CAPTIONS      ▸    • ON
PASSWORD      ▸    • OFF
PARENTAL      ▸
DEFAULT       ▸
```

HELPFUL HINT

CAPTIONS SETUP is available when the disc
record the captions.

37

1   Press the MENU button on the
     remote control to open the onscreen menu.

2   When GENERAL SETUP is highlighted,
     press the ❯ button to enter.

3   Press the ∧/∨ button to select PASSWORD,
     then press the ❯ button to enter.

4   When PW MODE is highlighted, press the
     ❯ button to enter.

5   Press the ∧/∨ button to select ON or OFF,
     then press the OK button to confirm.

6   Use the Number buttons to enter your
     password, press the OK button to confirm.

7   Press the ❮ button to return to the
     previous menu.

8   Press the MENU button repeatedly to
     clear the menu from the screen.
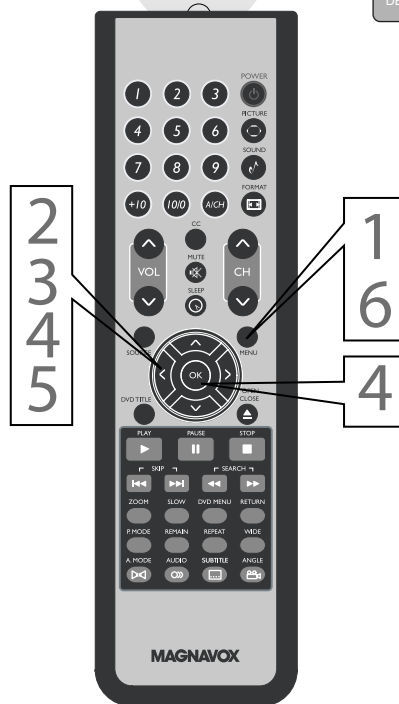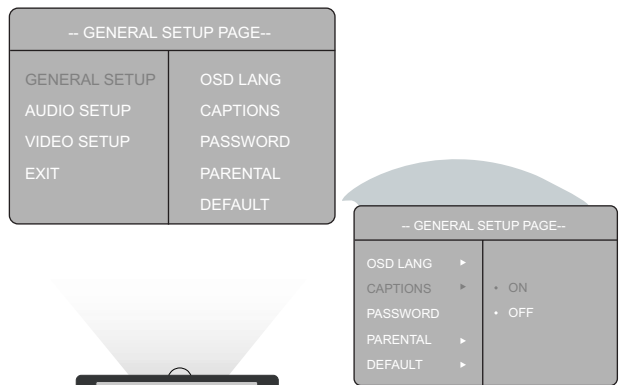
-- GENERAL SETUP PAGE--

OSD LANG ▸	• PW MODE
CAPTIONS ▸	• PASSWORD
PASSWORD	
PARENTAL ▸	
DEFAULT ▸	

-- PASSWORD SETUP PAGE--

| PW MODE ▸ | • ON |
| PASSWORD ▸ | • OFF |

-- PASSWORD SETUP PAGE--

PASSWORD [   ]

OK

MAGNAVOX

HELPFUL HINT

Remember that 0711 is the default code.

38

1 Press the MENU button on the remote control to open the onscreen menu.

2 When GENERAL SETUP is highlighted, press the ⟩ button to enter.

3 Press the ∧/∨ button to select PASSWORD, then press the ⟩ button to enter.

4 Press the ∧ /∨ button to select PASSWORD, then press the ⟩ button to enter.

5 When CHANGE is highlighted, press the OK button to confirm. The password change menu will appear on the screen.

6 Use the Number buttons to change the password, then press the OK button to confirm.

7 Press the ⟨ button to return to the previous menu.

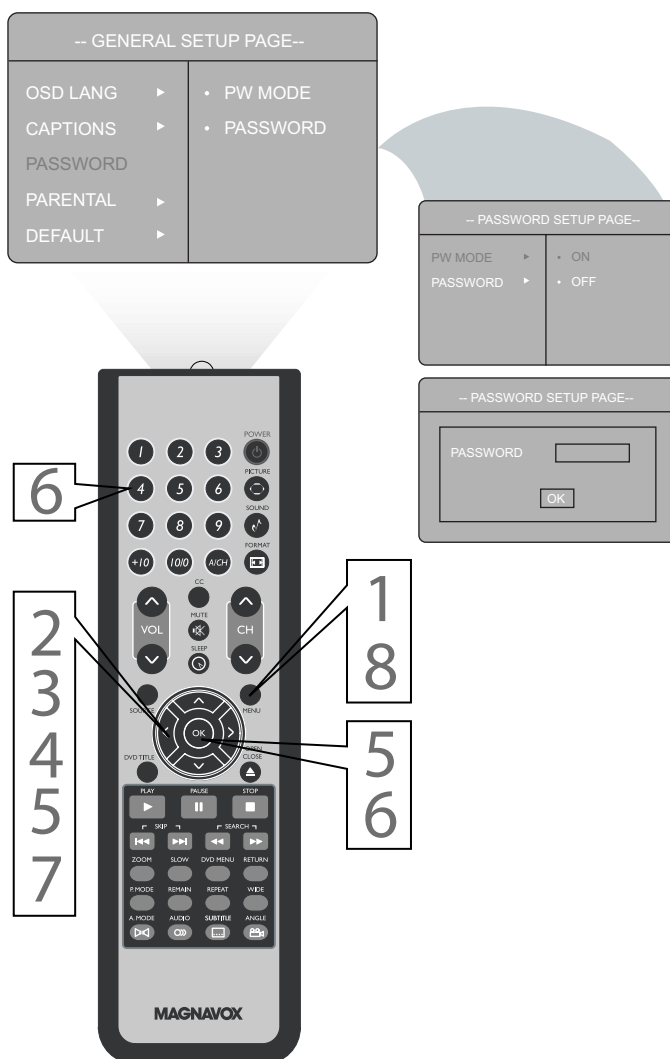8 Press the MENU button repeatedly to clear the menu from the screen.

-- GENERAL SETUP PAGE--

OSD LANG	▸	• PW MODE
CAPTIONS	▸	• PASSWORD
PASSWORD		
PARENTAL	▸	
DEFAULT	▸	

-- PASSWORD SETUP PAGE--

| PW MODE | ▸ | |
| PASSWORD | ▸ | • CHANGE |

-- PASSWORD SETUP PAGE--

OLD PASSWORD [   ]
NEW PASSWORD [   ]
CONFIRM PWD   [   ]
          OK

MAGNAVOX

HELPFUL HINT

Remember that 0711 is the default code. But if the old password is changed, the new password will be available, and the old password is disabled.

1 Press the MENU button on the remote control to open the onscreen menu.

2 When GENERAL SETUP is highlighted, press the 〉 button to enter.

3 Press the ∧/∨ button to select PARENTAL, then press the 〉 button to enter.

4 Press the ∧/∨ button to select the items. press the OK button to confirm.

Note:If the PW MODE is set to ON, it will enable you to enter the current new password after follwing the step 4.

5 Press the 〈 button to return to the previous menu.

6 Press the MENU button repeatedly to clear the menu from the screen.

```
-- GENERAL SETUP PAGE--

OSD LANG      ▶
CAPTIONS      ▶        • G
                      • PG
PASSWORD              • PG-13
                      • R
PARENTAL      ▶       • NC-17
DEFAULT       ▶       • ADULT
```
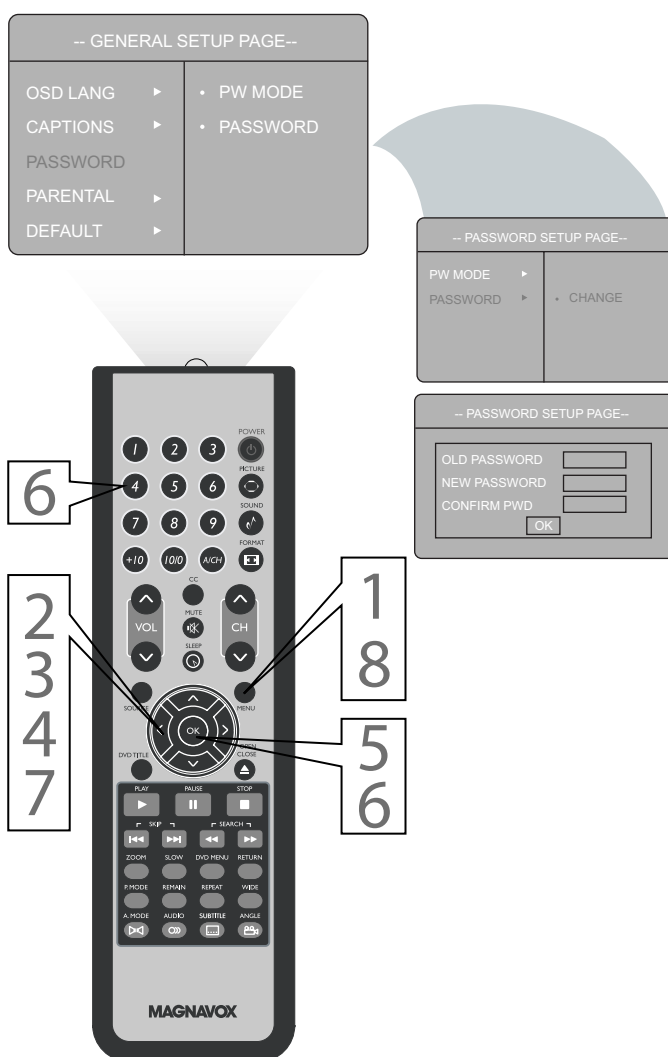
```
-- GENERAL SETUP PAGE--

PASSWORD    [        ]

              OK
```

2
3
4
5

1
6

4

MAGNAVOX

1   Press the MENU button on the
    remote control to open the onscreen menu.

2   When GENERAL SETUP is highlighted,
    press the ❭ button to enter.

3   Press the ⋀/⋁ button to select DEFAULT,
    then press the ❭ button to enter.

4   When RESET is highlighted,
    press the OK button to reset the
    original factory settings.

5   Press the ❬ button to return to the
    previous menu.

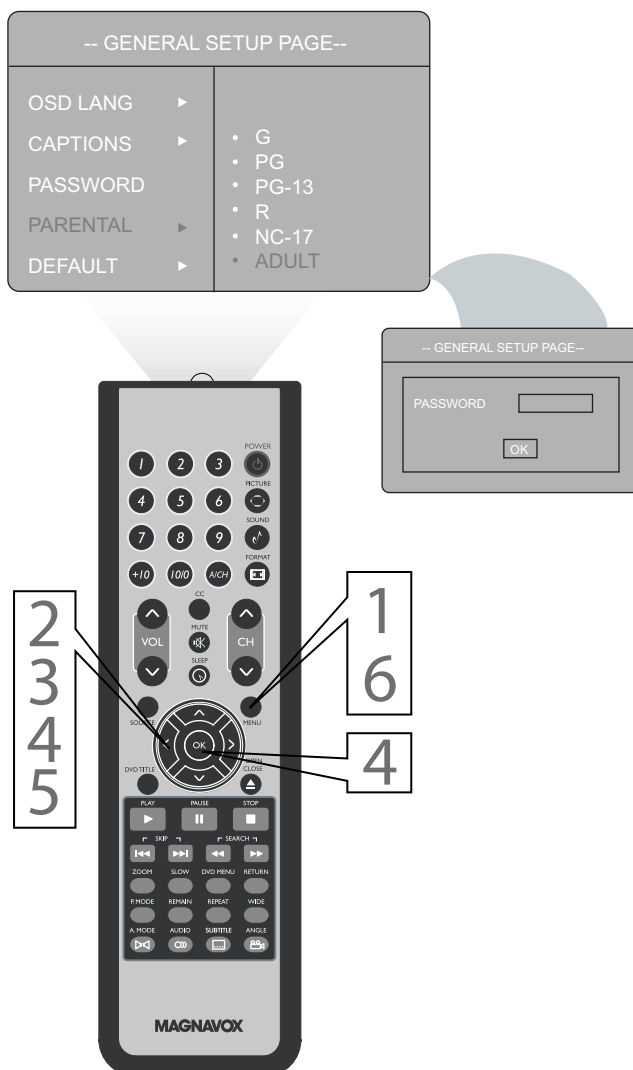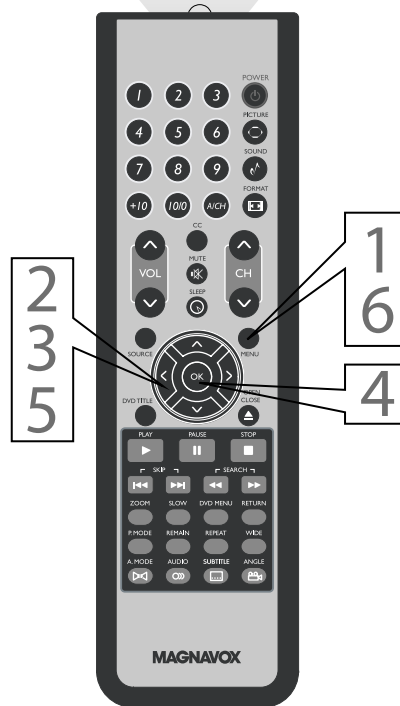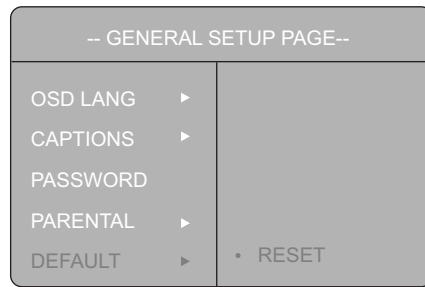6   Press the MENU button repeatedly to
    clear the menu from the screen.

-- GENERAL SETUP PAGE--

OSD LANG   ▶
CAPTIONS   ▶
PASSWORD
PARENTAL   ▶
DEFAULT   ▶   • RESET

HELPFUL HINT

If you reset the DVD to the factory settings,
all your present setting on GENERAL SETUP,
AUDIO SETUP and VIDEO SETUP will be
erased and replaced by the manufacture's
default settings. However, your recent password
will not be erased. And the PARENTAL in
GENERAL SETUP will not be reset when PW
MODE is set to ON.

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1 Press the MENU button on the
   remote control to open the onscreen menu.

2 Press the ∧/∨ button to select AUDIO
   SETUP, then press the ❯ button to enter.

3 When CHANNEL EQ is highlighted,
   press the ❯ button to enter.

4 When EQ TYPE is highlighted,
   press the ❯ button to enter.

5 Press the ∧/∨ button to select the items under
   EQ TYPE. Press the OK button to confirm.

6 Press the ❮ button to return to the
   previous menu.

7 Press the MENU button repeatedly to
   clear the menu from the screen.

-- AUDIO SETUP PAGE--

GENERAL SETUP   CHANNEL EQ
AUDIO SETUP
VIDEO SETUP
EXIT

-- AUDIO SETUP PAGE--

CHANNEL EQ   • EQ TYPE

-- CHANNEL EQUALLZER--

EQ TYPE   ▶   • NONE
                    • ROCK
                    • POP
                    • LIVE
                    • DANCE
                    • TECHNO
                    • CLASSIC
                    • SOFT

MAGNAVOX

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1 Press the MENU button on the
remote control to open the onscreen menu.

2 Press the ∧/∨ button to select VIDEO
SETUP, then press the 〉 button to enter.

3 When SHARPNESS is highlighted,
press the 〉 button to enter.

4 Press the ∧/∨ button to select either High,
Medium, Low. Press the OK button to confirm.

5 Press the 〈 button to return to the
previous menu.

6 Press the MENU button repeatedly to
clear the menu from the screen.

-- VIDEO SETUP PAGE--
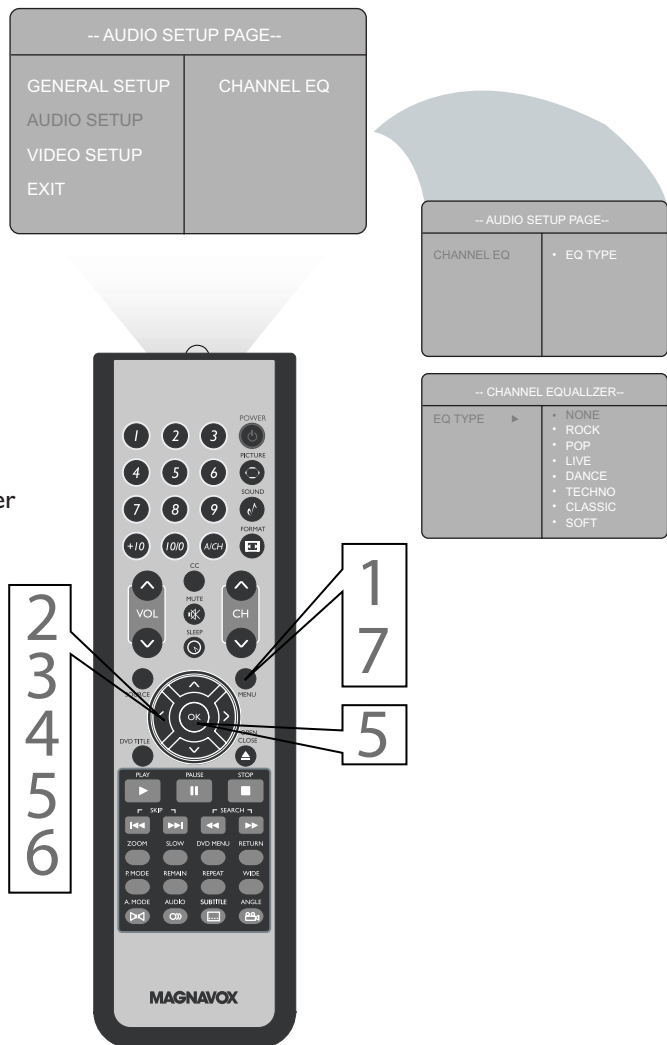
GENERAL SETUP   SHARPNESS
AUDIO SETUP   BRIGHTNESS
VIDEO SETUP   CONTRAST
EXIT

-- VIDEO SETUP PAGE--

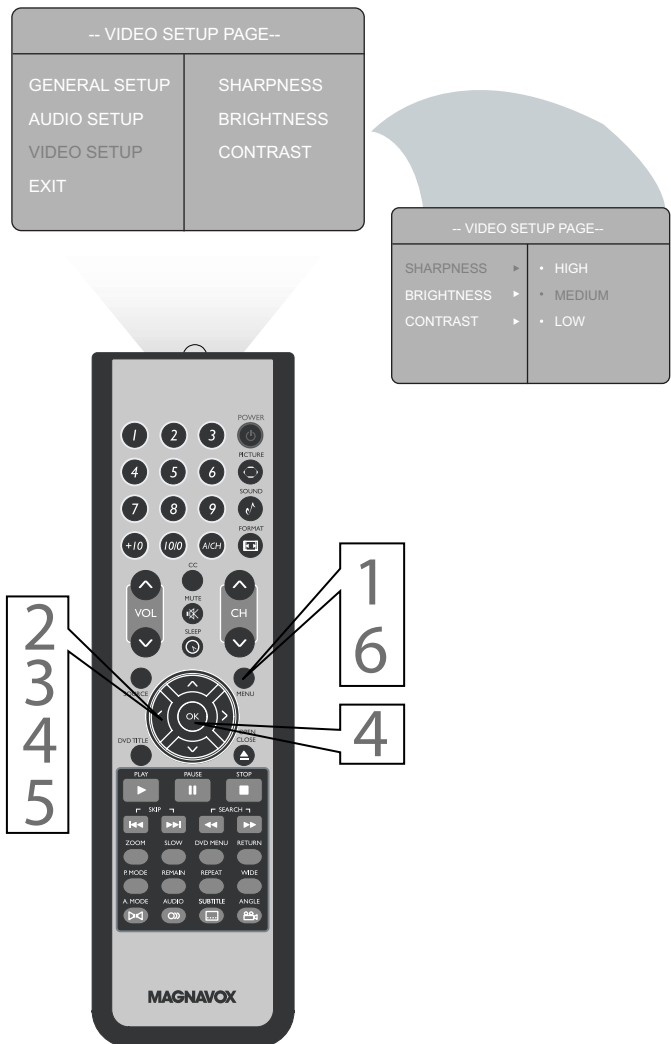SHARPNESS   ▸   • HIGH
BRIGHTNESS ▸   • MEDIUM
CONTRAST   ▸   • LOW

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1 Press the MENU button on the remote control to open the onscreen menu.

2 Press the ∧/∨ button to select VIDEO SETUP, then press the ⟩ button to enter.

3 Press the ∧/∨ button to select BRIGHTNESS/CONTRAST and press the ⟩ button to enter.

4 Press the ⟨ / ⟩ button to adjust the BRIGHTNESS/ CONTRAST. Press the OK button to confirm.

5 Press the ⟨ button to return to the previous menu.

6 Press the MENU button repeatedly to clear the menu from the screen.

-- VIDEO SETUP PAGE--

SHARPNESS ▸
BRIGHTNESS ▸
CONTRAST ▸

-- VIDEO SETUP PAGE--

BRIGHTNESS ‖‖‖‖‖‖‖‖......... 0

-- VIDEO SETUP PAGE--

SHARPNESS ▸
BRIGHTNESS ▸
CONTRAST ▸

-- VIDEO SETUP PAGE--

CONTRAST ‖‖‖‖‖‖‖......... 0

POWER

PICTURE

SOUND

FORMAT

CC

VOL

MUTE

CH

SLEEP

OK

DVD TITLE

PLAY PAUSE STOP

SKIP SEARCH

ZOOM SLOW DVD MENU RETURN

P.MODE REMAIN REPEAT WIDE

A.MODE AUDIO SUBTITLE ANGLE

MAGNAVOX

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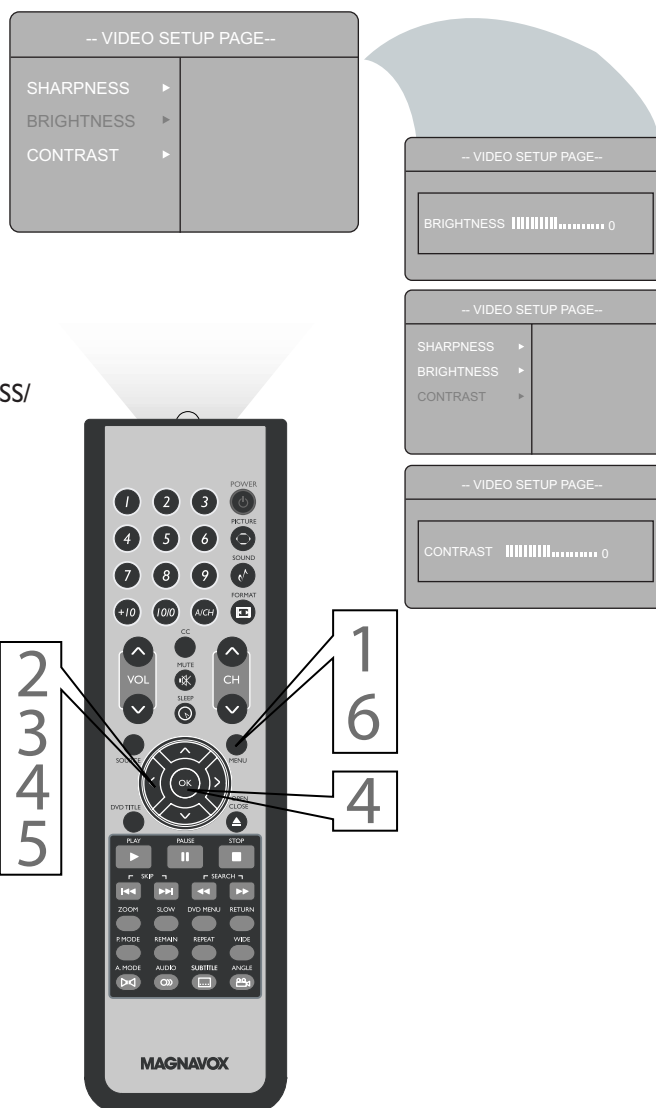
This TV can also be used as a PC Monitor. A PC video signal must be present or the TV will go into standby mode. The PC Picture controls allow you to adjust the picture.

Note: Make sure you are in PC mode.

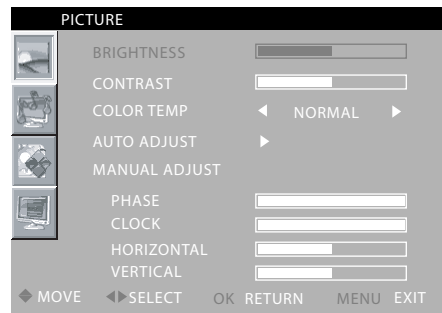**1** Press the MENU button on the remote control to see the onscreen menu.

2 When the PICTURE menu is highlighted, Press the 〈 / 〉 button to enter the PICTURE menu.

3 Press the ∧ / ∨ button to highlight the item that you would like to adjust.

Brightness: It is disabled in PC mode.
Contrast: Adjust to "sharpen" the Picture quality. The black portions of the picture become richer in darkness and the white become brighter.
Color Temp: Adjust the color temperature.
Auto Adjust: The LCD Monitor will automatically adjust to the best image position, phase, and clock setting.
Manual Adjust: The Manual Adjust control allow you to manually fine tune the image as it appears on the screen.
Phase-eliminates the horizontal interfering lines.
Clock-eliminates the vertical interfering lines.
Horizontal-adjust the horizontal placement of the picture.
Vertical-adjust the vertical placement of the picture.
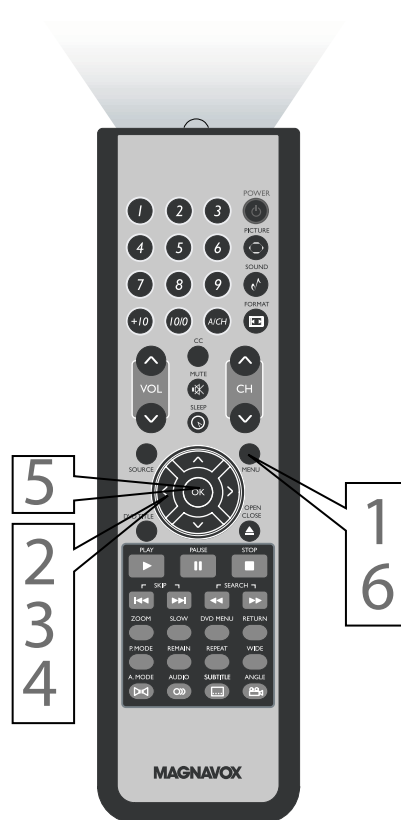
4 Press the 〈 / 〉 button to adjust the item.

5 Press the OK button to return to the previous menu.

6 Press MENU repeatedly to remove the menu from the screen.

PICTURE

BRIGHTNESS
CONTRAST
COLOR TEMP   ◄   NORMAL   ►
AUTO ADJUST   ►
MANUAL ADJUST
  PHASE
  CLOCK
  HORIZONTAL
  VERTICAL
◆ MOVE   ◄►SELECT   OK RETURN   MENU EXIT

HELPFUL HINT

1. To adjust other items repeat steps 3 and 4.
2. Color Temp can also be activated by pressing Auto Picture button your remote control.

If you are wanting to reset adjustment back to original value, please enter to Factory Reset in Install menu.

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This TV can also be used as a PC Monitor. A PC video signal must be present or the TV will go into standby mode. The AUDIO controls allow you to adjust the sound.

Note : Make sure you are in PC mode .

```
AUDIO
  SMART SOUND      ◄ PERSONAL ►
    120HZ          [========  ]
    500HZ          [========  ]
    1K5HZ          [=====     ]
    5KHZ           [========  ]
    10KHZ          [==========]
  BALANCE          [     ▌    ]
  VIRTUAL SURROUND ◄    OFF    ►
  AVL              ◄    OFF    ►

◆MOVE ◄►SELECT  OK RETURN  MENU EXIT
```

1 Press the MENU button on the remote control to show the onscreen menu.

2 Press the ∧ / ∨ button to highlight the AUDIO menu, then press ‹ / › to enter.

3 Press the ∧ / ∨ button to highlight the item that you would like to adjust :

Smart Sound: Allows you to select from 3 factory-set controls and a personal control. The 3 factory-set controls (News, Music, Theatre) enhance the particular program you are watching.

120HZ~10KHZ: Allows you to adjust 120HZ, 500HZ, 1K5HZ, 5KHZ, 10KHZ.

Balance: Adjust the balance of the sound.

Virtual Surround: Adds greater depth and dimension to PC sound.

AVL (Auto Volume Leveler)- When ON, AVL will level out the sound being heard when sudden changes in volume occur during commercial breaks or channel changes.

4 Press the ‹ / › button to adjust the item.

5 Press the OK button to return to the previous menu.

6 Press MENU repeatedly to remove the menu from the screen.
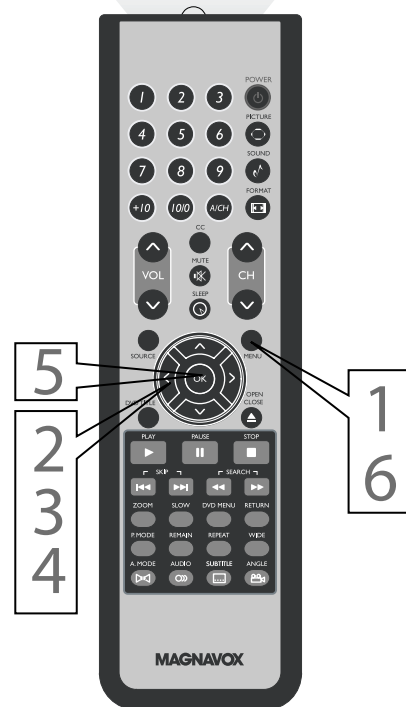
HELPFUL HINT

To adjust other items repeat steps 3 and 4.

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20MF Series (20" LCD TV)

No	Resolution	Frequency
1		60 HZ
2	640 x 480	70 HZ
3		75 HZ
4		60 HZ
5	800 x 600	70 HZ
6		75 HZ
7		60 HZ
8	1024 x 768	70 HZ
9		75 HZ
10	720 x 400	DOS Mode

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Symptoms	Items to Check and Actions to follow
"Ghost" or double images	• This may be caused by obstruction to the antenna due to high rise buildings or hills. Using a highly directional antenna may improve the picture.
No power	• Check that the TV's AC power cord is plugged into the mains socket. • Unplug the television, wait for 60 seconds. Then re-insert plug into the mains socket and turn on the television again.
No picture	• Check antenna connections at the bottom of the TV to see if they are properly connected to the TV. • Possible broadcast station trouble. Try another channel. • Adjust the contrast and brightness settings. Try another auto picture setting. • Check the Closed Captions control. Some TEXT modes could block the screen. • Check if you selected the correct AV source.
No picture and power switched on	• Your TV has a protective mode in case there is too much heat build-up. Check the clearance around the vents of the device to be certain there are no blocking walls or cabinets which would limit the air flow.
Picture position adjustment	When displaying a High Definition signal from the YPbPr inputs or HDMI input, if necessary, you can adjust the picture position to the center of the screen with the cursor left/right or up/down buttons on the remote control. This may be needed due to slight differences in output signals from different brands and types of HD sources boxes. *Notes: Most High Definition receiver boxes also have picture-positioning controls in their menu systems. If the TV cursor controls run out of range before the picture is correctly positoned, the receiver box controls will need to be adjusted.*
No photo, music or video play or in poor quality only	• Check if the source complies with a supported code.
No sound	• Increase the VOLUME. • Check that the TV is not muted, press the MUTE button on the remote control. • When no signal is detected, the TV automatically switches off the sound. This is proper operation and does not indicate a malfunction.
Good sound but poor color or no picture	• Adjust the contrast, color, tint and brightness setting. Try another auto picture setting.
Snowish picture and noise	• Check the antenna connection.
Television not responding to remote control	• Check whether the batteries are working. Replace if necessary. • Clean the remote control sensor lens on the monitor. • Operating range between TV and the remote control should not be more than approximately twenty feet. • You can still use the buttons on the right side of your TV. • Check if the remote control is in the correct mode.
Control of accessory devices	• The infrared signals of the screen may influence the reception sensibility of other peripherals Solution: replace the batteries of the remote control of other devices. E.g. keep away a wireless headphone from within a radius of approximately four feet.
The software will not install	Possibly the operating system is wrong. Go to www.usasupport.magnavox.com to see which operating systems are supported.

Standby	Your TV consumes energy less than 1w in the standby mode. Energy consumption contributes to air and water pollution.
After improper shutdown	If your TV has been shutdown in an improper way (e.g. power drop, power cord plug out), starting up the TV again will take a longer time than usual.
Miscellaneous	See Extras, Specifications on this user's manual.

If you experience the following problems while using the unit, this trouble shooting tips can help you.

No sound	Check if the unit is connected securely. Make sure the TV or amplifier is working properly. Make sure the amplifier is set to receive DVD signal output.
No image	Check if the unit is connected securely . Make sure the TV is working properly. Make sure the color system is set correctly.
Bad sound quality	Make sure the audio output mode is set correctly. Make sure the audio connection between the unit and amplifier is in place.
Disc cannot be played	There is no disc in the unit. Put the disc on the disc tray properly with the label side up. Clean the disc . Moisture has condensed in the unit. Remove the disc and leave the unit on for about an hour.
The unit doesn't operate normally	Disconnect the power plug and insert it into the wall outlet again.
Remote control does not work	Remove barriers between the remote control and the unit. Point the remote control at the remote control sensor of the unit. Replace the batteries with new ones.

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LCD
  PANEL   20" TFT LCD
  RESOLUTION   1366 X 768
  VIEWING ANGLE (L/R/U/D)   80/80/80/60

DIMENSION
  WITH STAND   20.6   X 16.5   X 8.3   (inch)
  WITHOUT STAND   20.6   X 14.8   X 3.6   (inch)

  WEIGHT (WITHOUT ACCESSORIES)   20.5 Pound

TV-FUNCTION
  TV STANDARD   NTSC
  TUNING SYSTEM   ELECTRIC TUNING SYSTEM
  FREQUENCY RANGE   VHF/UHF
  STEREO   MTS + SAP
  CHANNEL   181 CHANNELS

SOUND
  MAX SOUND OUTPUT   3W X 2

TERMINALS
  AV1 IN   VIDEO, S-VIDEO, AUDIO L&R
  AV2 IN   Y, Pb (Cb), Pr (Cr), AUDIO L/R
  PC IN   D-SUB 15PIN RGB IN, AUDIO
  ANTENNA IN   F-TYPE

DVD
  APPLICABLE DISC   DVD, DVD+R/RW, DVD-R/RW, CD,
                                     CD-RW, Picture CD, MP3 or HDCD

POWER
  INPUT   100~240Volt

POWER CONSUMPTION
  POWER CONSUMPTION(TV) $\leq$ 62W (typ)
  POWER CONSUMPTION(TV WITH DVD) $\leq$ 68W (typ)

Note:

1. This manual is only for your reference, any change to the design and specifications will not be advised.

2. It's not supported DTS function in DVD mode.

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WARNING concerning stationary images on the TV

Screen: Do not leave fixed images on the screen for extended periods of time. This can cause uneven aging of the LCD panel. Normal use of the TV should involve viewing of programs that have constantly moving or changing images. Do not leave moving images on screen for extended periods of time. Do not display the same images too frequently; if you do, subtle "ghost" images can be left on the LCD screen. Sources of stationary images may be Laser discs, video games, Compact Discs Interactive (CD-i), paused Digital Video Discs (DVDs) or video tapes.

Here are some common examples of stationary images:
• DVD menus list DVD content.
• Letter box black bars that appear at the top and bottom of the TV screen when a wide screen (16:9) movie is viewed on a TV with standard (4:3) aspect ratio. This occurs with some DVDs.
• Video game images and scoreboards
• Television station logos cause a problem if they are bright and stationary. Moving or low-contrast graphics are less likely to damage the picture tube.
• Stock market tickers may appear at the bottom of the TV screen if the TV programming covers this news.
• Shopping channel logos, pricing displays may be bright and may appear constantly during the show. These are usually appear in the same location on the TV screen.

TV Location
• To avoid cabinet warping, cabinet color changes, and an increased chance of TV failure, do not place the TV where temperatures can become excessively hot -- for example, in direct sunlight or near a heating appliance.
• Allow a free flow of air around the TV.

Cleaning
• To avoid possible shock hazard, remove the TV's power cord from the electrical outlet before cleaning.
• Regularly dust the TV with a dry, non-scratching duster.
• When cleaning the TV, take care not to scratch or damage the screen surface. Avoid wearing jewelry or using anything abrasive. Do not use household cleaners. Wipe the screen with a clean cloth dampened with water. Use even, easy, vertical strokes when cleaning.
• Occasionally vacuum the vents on the rear of the TV.
• Never use thinners, insecticide sprays, or other chemicals on or near the cabinet. They may permanently blemish the cabinet.

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FEDERAL COMMUNICATIONS COMMISSION (FCC) NOTICE (U.S. ONLY)

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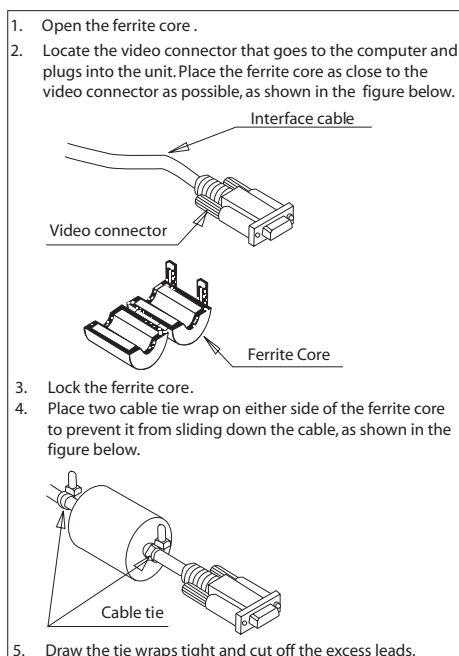
* Reorient or relocate the receiving antenna.
* Increase the separation between the equipment and receiver.
* Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
* Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Use only RF shielded cable with ferrite core when connecting this monitor to a computer device.

* RF shield cable with ferrite core can be obtain from multiple retail outlets or Philips Factory Service Center.
* The RF shield cable with ferrite core part number is 3138 198 71441.
* If your RF shield cable without ferrite core, you can obtain the ferrite core from Philips Factory Service Center, installation as following.

1. Open the ferrite core .
2. Locate the video connector that goes to the computer and plugs into the unit. Place the ferrite core as close to the video connector as possible, as shown in the figure below.

Interface cable

Video connector

Ferrite Core

3. Lock the ferrite core.
4. Place two cable tie wrap on either side of the ferrite core to prevent it from sliding down the cable, as shown in the figure below.

Cable tie

5. Draw the tie wraps tight and cut off the excess leads.

Ferrite Core Installation

To ensure compliance of this unit to the Class B limits of the FCC Rules, Part 15, Subpart B.

This kit must be utilized when "non-ferrited" video cables are used with this unit. This instruction sheet gives the details for proper installation.

Additional FCC information may be found in the radio frequency interference statement located in the user's manual.

To prevent damage which may result in fire or shock hazard, do not expose this appliance to rain or excessive moisture. THIS CLASS B DIGITAL APPARATUS MEETS ALL REQUIREMENTS OF THE CANADIAN INTERFERENCE-CAUSING EQUIPMENT REGULATIONS.

Ninety (90) Days Labor & One (1) Year Parts & One (1) Year Display

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

PROOF OF PURCHASE: You must have proof of the date of purchase to receive repair on the product. A sales receipt or other document showing the product and the date that you purchased the product as well as the authorized retailer included, is considered such proof.

COVERAGE:
(If product is determined to be defective)

LABOR: For a period of ninety (90) days from the date of purchase, Magnavox will repair or replace the product, at its option, at no charge, or pay the labor charges to any Magnavox authorized repair facility. After the period of ninety (90) days, Magnavox will no longer be responsible for charges incurred.

PARTS: For a period of one (1) year from date of purchase, Magnavox will supply, at no charge, new or rebuilt replacment parts in exchange for defective parts. Magnavox authorized service centers will provide removal and installation of the parts under the specified labor warranty.

DISPLAY: For a period of One (1) year from the date of purchase, Magnavox will supply, at no charge, a new or rebuilt active display device in exchange for the defective display. Magnavox authorized service centers will provide removal and installation of the parts under the specified labor warranty. (PTV screens carry a thirty (30) day replacement warranty.)

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

TO OBTAIN WARRANTY SERVICE IN THE U.S.A., PUER TO RICO, OR U.S. VIRGIN ISLANDS...
Contact Magnavox Customer Care Center at:
1-800-705-2000

TO OBTAIN WARRANTY SERVICE IN CANADA...
1-800-661-6162 (French Speaking)
1-800-705-2000 (English or Spanish Speaking)

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

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

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

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

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