



Directions for Use



Need help? Call us!

Philips representatives are ready to help you with any questions about your new product. We can guide you through Connections, First-time Setup, or any of the Features. We want you to start enjoying your new product right away!

Important!
Return your
Warranty
Registration Card
within 10 days.
See why inside.

**CALL US BEFORE YOU CONSIDER
RETURNING THE PRODUCT.**

1-800-531-0039

or

Visit us on the web at
www.philips.com

Let's make things better.



PHILIPS

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

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

Warranty Verification

Registering your product within 10 days confirms your right to maximum protection under the terms and conditions of your PHILIPS warranty.

Owner Confirmation

Your completed Warranty Registration Card serves as verification of ownership in the event of product theft or loss.

Model Registration

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!"

PHILIPS



Dear PHILIPS product owner:

Thank you for your confidence in PHILIPS. 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 PHILIPS "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.

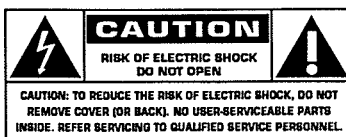
All of this is our way of saying welcome—and thanks for investing in a PHILIPS product.

Sincerely,

Lawrence J. Blanford
President and Chief Executive Officer

P.S. Remember, to get the most from your PHILIPS 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, and fully insert.

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

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

IMPORTANT SAFETY INSTRUCTIONS

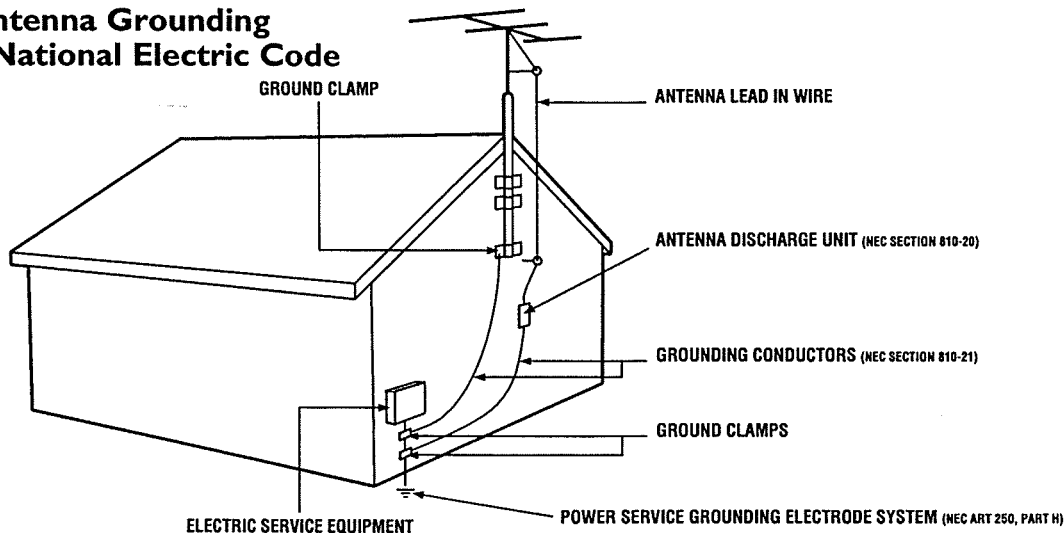
Read before operating equipment

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.
 - A. The power supply cord or the plug has been damaged; or
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:
 - B. Objects have fallen, or liquid has been spilled into the appliance; or
 - C. The appliance has been exposed to rain; or
 - D. The appliance does not appear to operate normally or exhibits a marked change in performance; or
 - 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



SAFETY INSTRUCTIONS - Read before operating equipment

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

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.

WARNING

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

CAUTION

Use of controls or adjustments or performance of procedures other than herein may result in hazardous radiation exposure. The set complies with the FCC-Rules, Part 15 and with 21 CFR 1040.10.

Copyright Protection

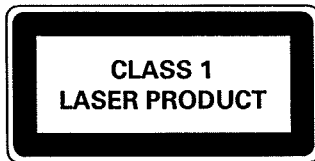
Unauthorized copying, broadcasting, public performance and lending of Discs are prohibited.

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.

Declaration of Conformity

Trade Name: Philips
Responsible Party: Philips Consumer Electronics North America
P.O. Box 14810
Knoxville, TN 37914-1810
(865) 521-4316



LASER SAFETY

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

USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

LASER

Type	InGaIp/AlGaAs
Wave length	650 nm (DVD) 790 nm (VCD/CD)
Output Power	7 mW (DVD) 7 mW (VCD/CD)
Beam divergence	28° (DVD) 32° (VCD/CD)



The region code for this set is **ALL** or **1**. DVDs must be labeled for ALL regions or for Region 1 in order to play on this TV/DVD Player. You can not play Discs that are labeled for other regions. Look for the symbols above on your DVDs. If these region symbols do not appear on your DVDs, you can not play the DVD in this TV/DVD Player.



NOTE: PICTURES SHOWN MAYBE DIFFERENT BETWEEN COUNTRIES. NEVER MAKE OR CHANGE CONNECTIONS WITH THE POWER SWITCHED ON.

CAUTION

VISIBLE AND INVISIBLE LASER RADIATION WHEN OPEN AVOID EXPOSURE TO BEAM (WARNING LOCATION: INSIDE ON LASER COVERSHEILD OR THE BACKPLATE OF SET)

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.

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NOTE: It is possible that this owner's manual may be used with several different television models. Not all features (and drawings) discussed in this manual will necessarily match those found with your television system. This is normal and does not require you contacting your dealer or requesting service.

FEATURES

Active Control™ continuously measures and corrects all incoming signals to help provide the best picture quality. This feature monitors and corrects both the sharpness control and noise reduction control.

Audio/Video Jack Panel allows direct connections with accessory devices, providing quality TV picture and sound playback.

Audio Volume Leveler (AVL) Control keeps the TV sound at an even level. Peaks and valleys in volume that occur during program changes or commercial breaks are reduced, making for a more consistent, comfortable sound.

AutoLock™ allows you to block the viewing of certain channels or programs with certain ratings if you do not want your children to view inappropriate materials.

Auto Programming scans (when activated) for all available channels from regular antenna or cable signals and stores only active broadcast stations in the TV's memory.

AutoPicture™ allows you to change the picture settings (color, tint, contrast, etc.) for various types of programming, such as sports, movies, multimedia (games), or weak signals with the push of one button.

AutoSound™ allows you to select from three factory-set controls and a personal control that you set according to your own preferences through the on-screen Sound menu. The three factory-set controls (Voice, Music, and Theatre) enable you to tailor the TV sound so as to enhance the particular programming you are watching.

Channel Edit allows you to add or delete channels from the list stored in the TV's memory. Channel Edit makes it easy to limit or expand the number of channels that are available to you when you press the Channel (+) or (-) buttons on your remote control.

Closed Captioning allows the viewer to read TV program dialogue or voice conversations as on-screen text.

Contrast + helps you sharpen the picture quality by making dark portions of the picture darker and light portions brighter.

Infrared Remote Control controls your TV and the built in DVD player.

On-screen Menu shows helpful messages and instructions for setting TV feature controls (can be viewed in English, French, or Spanish).

Sleep Timer automatically turns the TV OFF after a set amount of time that you choose.

Standard Broadcast (VHF/UHF) or Cable TV (CATV) channel capability allows for viewing by antenna or cable.

Stereo capability, including a built-in audio amplifier and twin-speaker system, allows for the reception of TV programs broadcast in stereo sound.

Surf Button allows you to easily switch among only the channels that are of interest to you (the ones that you have programmed into the TV's Surf control through the on-screen menu).






Timer allows you to set your TV to turn itself ON and OFF once or daily like an alarm clock.

DVD Player plays DVD discs, Video CDs, Audio CDs, Photo CDs, etc. Create Favorite Track Programs and store them in the TV/DVD Players memory.

Playable Disc Types

This DVD Player will play Digital Video Discs (DVDs), Audio CDs, CD-Rs and CD-RW discs. In order to play a DVD or Audio CD on this DVD Player, make sure the Disc meets the requirements for the Region Code as described on page 4.

The Discs should contain the logos shown below and meet the standards listed for each.

Disc Type	Logo	Contents	Disc Size	Maximum Playback Time	Disc Segments
Digital Video Disc		Sound and Pictures	12 cm	Approx. 4 hours (single-sided) Approx. 8 hours (double-sided)	DVDs are divided into Titles, which are divided into Chapters. Titles and Chapters are numbered.
			8 cm	Approx. 80 minutes (single-sided) Approx. 160 minutes (double-sided)	
Audio CD		Sound	12 cm	74 minutes	Audio CDs are divided into numbered Tracks, i.e., a track may be one song.
			8 cm (singles)	20 minutes	
Video CD		Sound and Pictures			Video CDs are divided into Tracks.
Compact Disc Recordable		Sound and Pictures	12 cm	74 minutes	
			8 cm (singles)	20 minutes	
Compact Disc Rewritable		Sound and Pictures	12 cm	74 minutes	

CLEANING DISCS

Some problems occur because the disc inside the player is dirty. To avoid these problems clean your discs regularly, in the following way:

- When a disc becomes dirty, clean it with a CD cleaning cloth. Wipe the disc from the center out.

Caution: Do not use solvents such as benzene, thinner, commercially available cleaners, or anti-static spray intended for analog discs.

END-OF-LIFE DISPOSAL

Your new television and its packing contain materials that can be recycled and reused. Specialized companies can recycle your product to increase the amount of reusable materials and minimize the amounts that need to be properly disposed.

Your product also uses batteries that should not be thrown away when depleted, but should be handed in and disposed of as small chemical waste.

When you replace your existing equipment, please find out about the local regulations regarding disposal of your old television, batteries, and packing materials.

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HOW TO USE THE LANGUAGE CONTROL



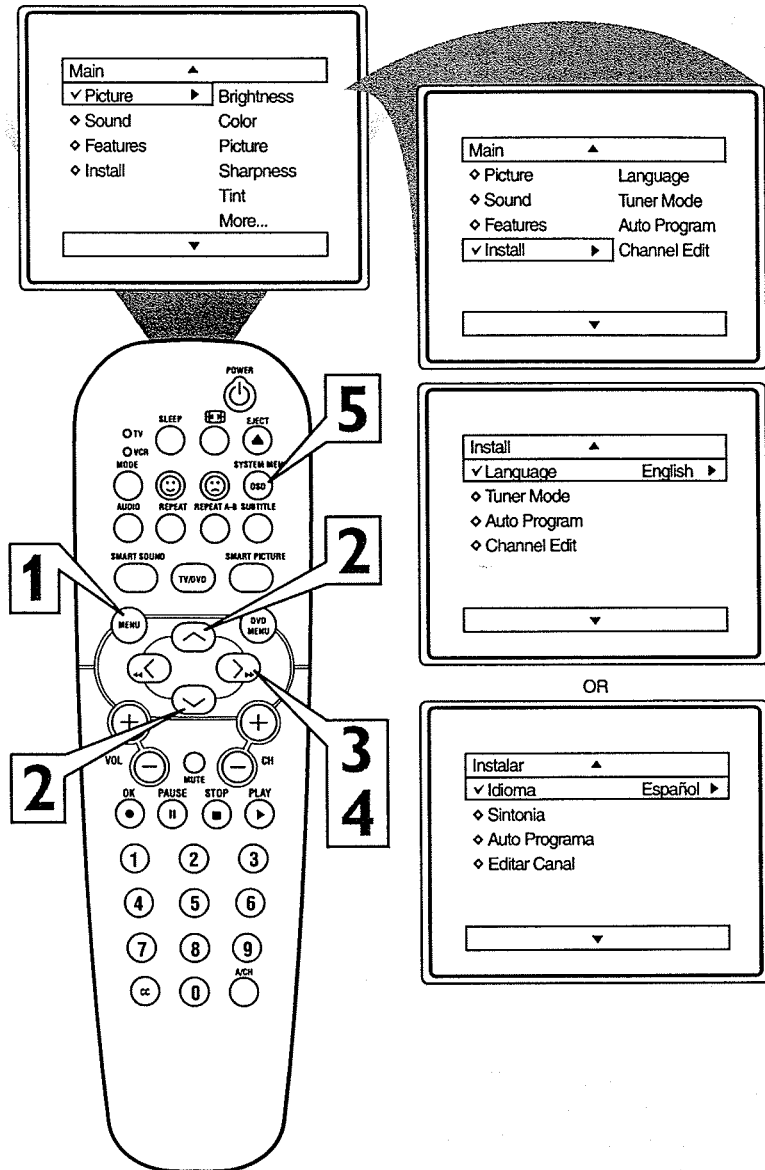
For our Spanish speaking TV owners an on-screen LANGUAGE option is present. With the LANGUAGE control you can set the TV's on-screen menu to be shown in either English or Spanish.

- 1 Press the **MENU** button on the remote to show the on-screen menu.
- 2 Press the **CURSOR UP** or **DOWN** buttons to scroll through the on-screen menu until the word **INSTALL** is highlighted.
- 3 Press the **CURSOR RIGHT** button to display the **INSTALL** menu features. **LANGUAGE** will be highlighted.
- 4 Press the **CURSOR RIGHT** button repeatedly to select **ENGLISH** or **ESPAÑOL** (Spanish).
- 5 When finished, press the **SYSTEM MENU (OSD)** button to remove the menu from the TV's screen.

HELPFUL HINT

The Language control only makes the TV's on-screen MENU items appear in English or Spanish text.

It does not change the other on-screen text features such as Closed Caption (CC) TV shows.

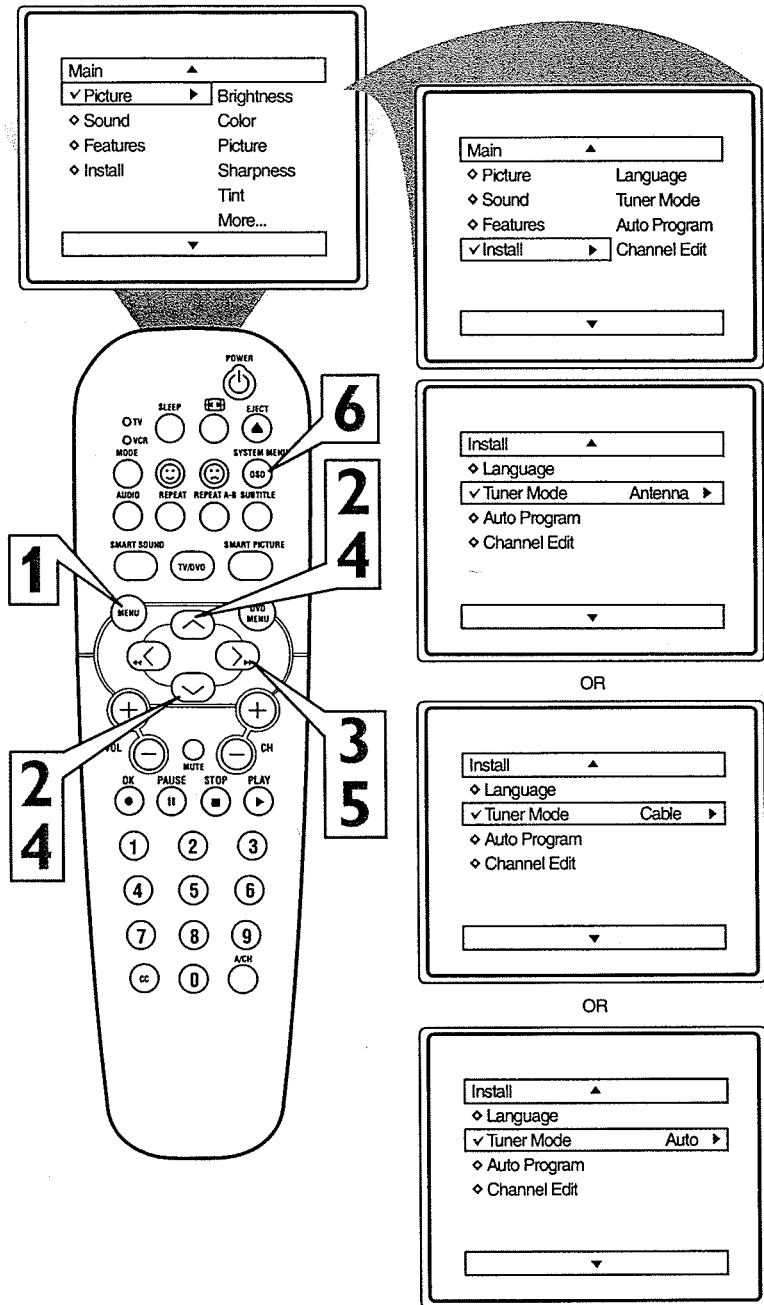




HOW TO USE THE TUNER MODE CONTROL

The **TUNER MODE** control allows you to change the TV's signal input to either **ANTENNA**, **CABLE** or **AUTO** mode. It's important for the TV to know what type of signal to look for. (From a Cable TV signal or a normal Antenna signal.) In the **AUTO** mode, when the **AUTO PROGRAM** feature is activated, the TV will automatically choose the correct mode.

- 1** Press the **MENU** button on the remote to show the on-screen menu.
- 2** Press the **CURSOR UP** or **DOWN** buttons to scroll through the on-screen menu until the word **INSTALL** is highlighted.
- 3** Press the **CURSOR RIGHT** button to display the **INSTALL** menu features.
- 4** Press **CURSOR UP** or **DOWN** buttons to scroll the Install features until the words **TUNER MODE** is highlighted.
- 5** Press the **CURSOR RIGHT** button to select either **ANTENNA**, **CABLE**, or **AUTO** mode.
- 6** When finished, press the **SYSTEM MENU (OSD)** button to remove the on-screen menu from the TV's screen.



HELPFUL HINT

When **CABLE** is selected, channels 1-125 are available.

When **ANTENNA** is selected, channels 2-69 are available.

When **AUTO** is selected, the TV will automatically set itself to the correct mode based on the type of signal it detects when the **AUTO PROGRAM** feature is activated.

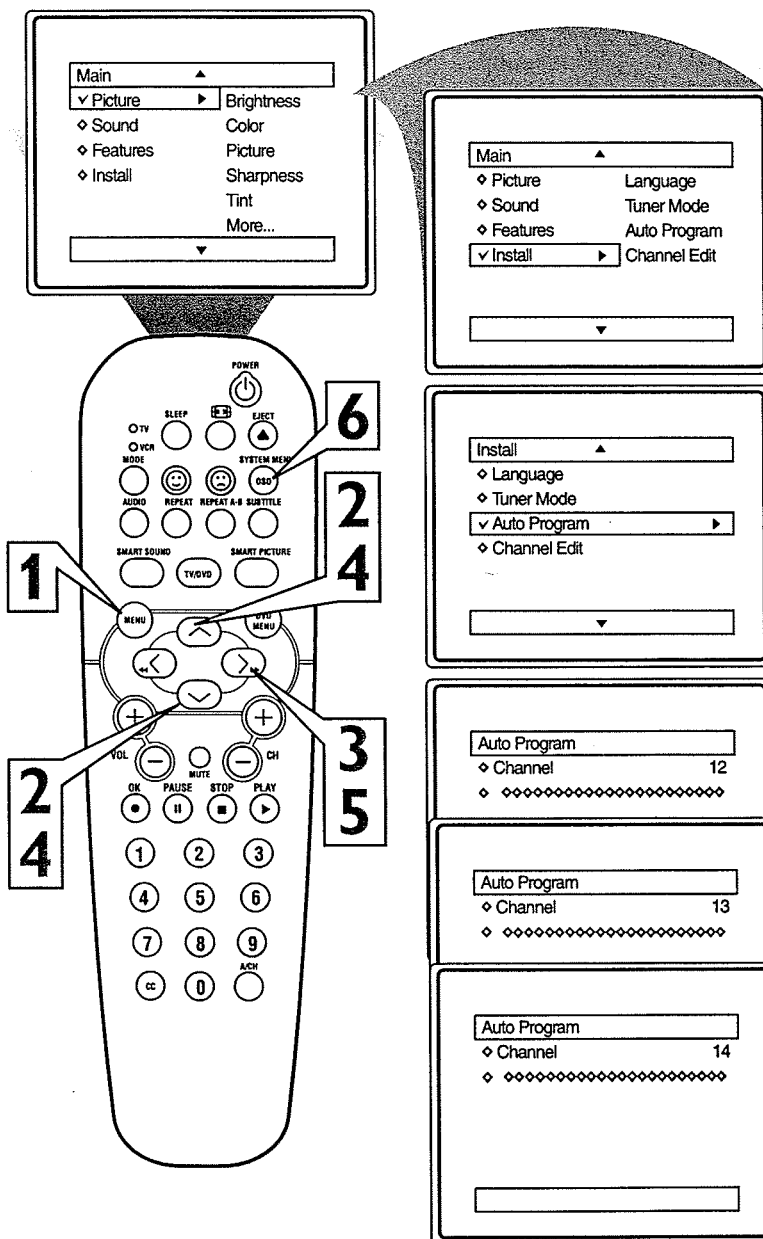
HOW TO AUTOMATICALLY PROGRAM CHANNELS



Your 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 when the CHANNEL (+), (-) buttons are pressed.

Note: Make sure the antenna or cable signal connection has been completed before AUTO PROGRAM is activated.

- 1** Press the **MENU** button on the remote to show the on-screen menu.
- 2** Press the **CURSOR UP** or **DOWN** buttons to scroll through the on-screen menu until the word **INSTALL** is highlighted.
- 3** Press the **CURSOR RIGHT** button to display the **INSTALL** menu features.
- 4** Press **CURSOR UP** or **DOWN** buttons to scroll the Install features until the words **AUTO PROGRAM** are highlighted.
- 5** Press the **CURSOR RIGHT** button to start the Auto Program scanning of channels. Auto Programming will store all available channels in the TV's memory then tune to the lowest available channel when done.
- 6** When finished, press the **SYSTEM MENU (OSD)** button to remove the menu from the TV's screen.



HELPFUL HINT

When **CABLE** is selected, channels 1-125 are available.

When **ANTENNA** is selected, channels 2-69 are available.

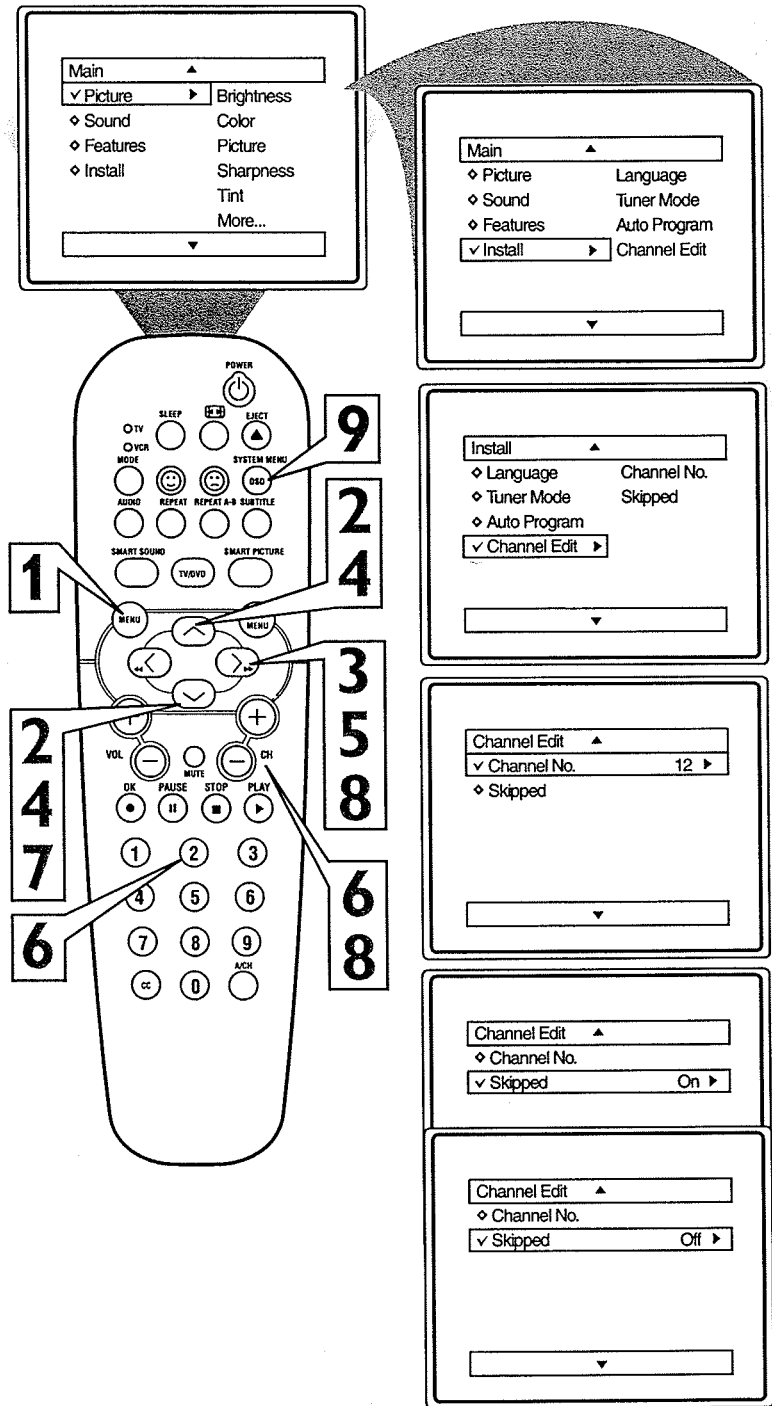
When **AUTO** is selected, the TV will automatically set itself to the correct mode based on the type of signal it detects when the **AUTO PROGRAM** feature is activated.



HOW TO ADD OR DELETE CHANNELS

Channel Edit makes it easy for you to ADD or DELETE channels from the list of channels stored in the TV's memory.

- 1** Press the **MENU** button on the remote to show the on-screen menu.
- 2** Press the **CURSOR UP** or **DOWN** buttons to scroll through the on-screen menu until the word **INSTALL** is highlighted.
- 3** Press the **CURSOR RIGHT** button to display the **INSTALL** menu features.
- 4** Press the **CURSOR UP** or **DOWN** buttons to scroll the Install features until the words **CHANNEL EDIT** are highlighted.
- 5** Press the **CURSOR RIGHT** button to display the **CHANNEL EDIT** options.
- 6** With the **CHANNEL EDIT** options displayed, and **CHANNEL NO.** highlighted; enter the channel number (with the **NUMBERED** or the **CH +** or **-** buttons) you wish to add (Skipped OFF), or delete (Skipped ON) from the TV's memory.
- 7** Using the **CURSOR DOWN** button, scroll the menu to highlight the word **SKIPPED**.
- 8** Now use the **CURSOR RIGHT** button to toggle between **ON** or **OFF**. If **ON** is selected the channel is skipped when scrolling channels with the **CH +** or **-** buttons. If **OFF** is selected the channel is not skipped when scrolling channels with the **CH +** or **-** buttons.
- 9** When finished, press the **SYSTEM MENU (OSD)** button to remove the menu from the TV's screen.

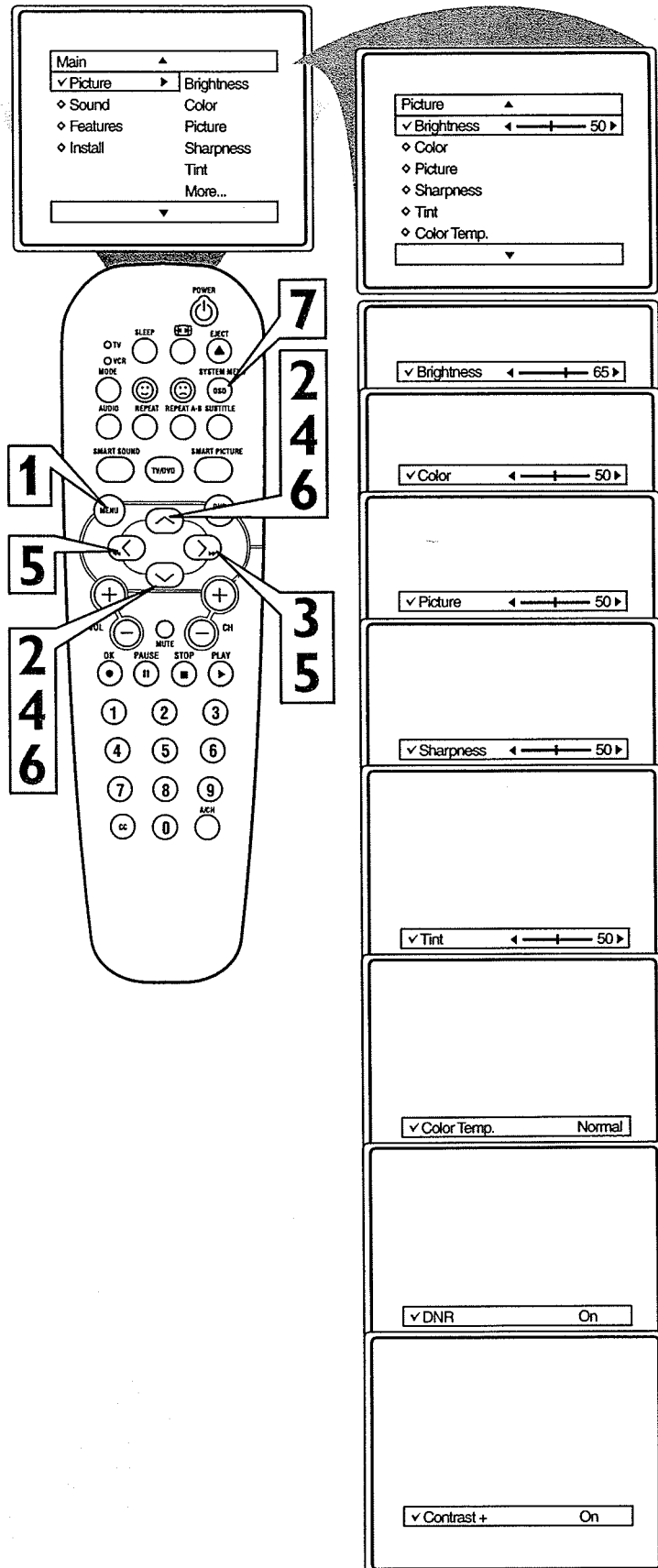


HOW TO USE THE PICTURE ADJUSTMENT CONTROLS



To adjust your TV picture controls, select a channel and follow the steps shown below:

- 1** Press the **MENU** button on the remote to display the on-screen menu.
- 2** Press the **CURSOR UP** or **DOWN** buttons until the word **PICTURE** is highlighted.
- 3** Press the **CURSOR RIGHT** button to display the **PICTURE** menu features.
- 4** Press **CURSOR UP** or **DOWN** buttons to scroll the Picture features and highlight the control you wish to adjust (Brightness, Color, Picture, Sharpness, Tint, Color Temp., DNR, or Contrast +).
- 5** Press the **CURSOR RIGHT** or the **CURSOR LEFT** buttons to adjust the selected control or to make selections for the chosen control.
- 6** Press the **CURSOR UP** or **DOWN** buttons to select and adjust other Picture Menu controls.
- 7** When finished, press the **SYSTEM MENU (OSD)** button to remove the menu from the TV's screen.



HELPFUL HINT

BRIGHTNESS: Press the **Cursor Right** or **Left** buttons until darkest parts of the picture are as bright as you prefer.

COLOR: Press the **Cursor Right** or **Left** buttons to add or eliminate color.

PICTURE: Press the **Cursor Right** or **Left** buttons until lightest parts of the picture show good detail.

SHARPNESS: Press the **Cursor Right** or **Left** buttons to improve detail in the picture.

TINT: Press the **Cursor Right** or **Left** buttons to obtain natural skin tones.

COLOR TEMP: Press the **Cursor Right** or **Left** buttons to select **NORMAL**, **COOL**, or **WARM** picture preferences. (**NORMAL** will keep the whites, white; **COOL** will make the whites, bluish; and **WARM** will make the whites, reddish.)

DNR: Press the **Cursor Right** or **Left** buttons to turn **DNR ON** or **OFF**. Dynamic Noise Reduction helps to eliminate "noise" from the picture.

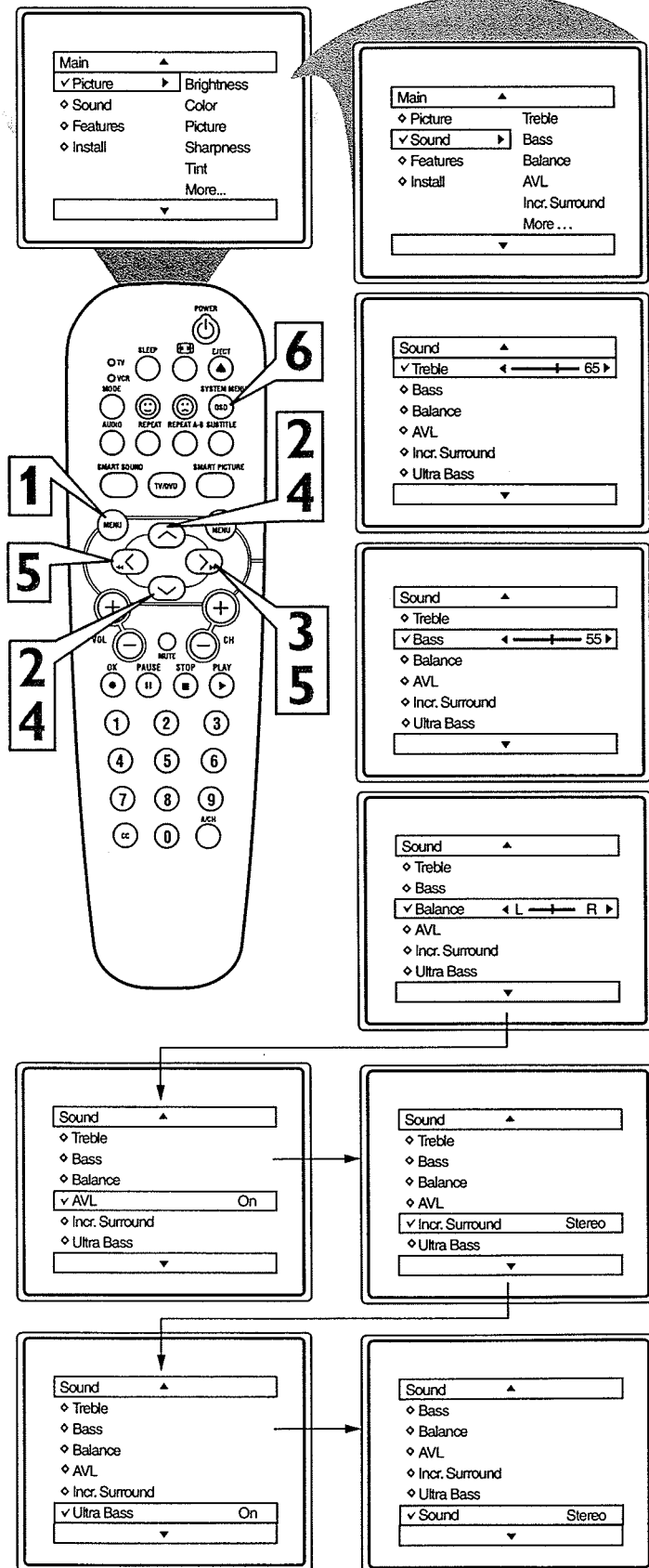
CONTRAST ±: Press the **Cursor Right** or **Left** buttons to turn **Contrast + ON** or **OFF**. When **ON**, this control will optimize the picture contrast for improved picture clarity.



HOW TO USE THE SOUND ADJUSTMENT CONTROLS

Besides the normal volume level control, your TV also has Treble, Bass, Balance, AVL (automatic volume leveler), Incr. Surround, Ultra Bass, and Sound (Stereo/Mono) controls.

- 1** Press the **MENU** button on the remote to display the on-screen menu.
- 2** Press the **CURSOR UP** or **CURSOR DOWN** button until the word **SOUND** is highlighted.
- 3** Press the **CURSOR RIGHT** button to display the **SOUND** menu features.
- 4** Press the **CURSOR UP** or **CURSOR DOWN** button to scroll the Sound menu features until the control you wish to change is highlighted (Treble, Bass, Balance, AVL, Incr. Surround, Ultra Bass, or Sound).
- 5** Press the **CURSOR RIGHT** or **LEFT** button to turn the adjust or turn the control On or Off.
- 6** When finished, press the **SYSTEM MENU (OSD)** button to remove the menu from the TV's screen.



HELPFUL HINT

TREBLE: Press the **Cursor Right** or **Left** buttons to adjust the control. The control will enhance the high frequency sounds.

BASS: Press the **Cursor Right** or **Left** buttons to adjust the control. The control will enhance the low frequency sounds.

BALANCE: Press the **Cursor Right** or **Left** buttons to adjust the level of sound coming from the left and right speakers.

AVL: (Auto Volume Leveler) Press the **Cursor Right** or **Left** buttons to turn the control On or Off. When On, AVL will level out the sound being heard when sudden changes in volume occur during commercial breaks or channel changes.

INCR. SURROUND: Press the **Cursor Right** or **Left** buttons to select between Incr. Surround or Stereo settings (If Stereo), or select Spatial or Mono (If Mono).

ULTRA BASS: Press the **Cursor Right** or **Left** buttons to turn Ultra Bass On or Off. Ultra Bass will enhance the low frequency sound.

SOUND: Press the **Cursor Right** or **Left** buttons to select between Stereo or Mono settings. Note: If Stereo is not present on a selected show and the TV is placed in the Stereo mode, the sound coming from the TV will remain in the Mono mode.

HOW TO USE THE TIMER CONTROLS



The Timer controls allow you to use your TV as an alarm clock if set to turn itself on and off at a specific time. It also can be set to tune to a specific channel at a specific time.

- 1** Press the **MENU** button on the remote to display the on-screen menu.
- 2** Press the **CURSOR DOWN** button until the word **FEATURES** is highlighted.
- 3** Press the **CURSOR RIGHT** button to display the **FEATURES** menu options. **TIMER** will be highlighted.
- 4** Press the **CURSOR RIGHT** button to shift the menu to the left and enter the **TIMER** control options.
- 5** Press the **CURSOR UP** or **DOWN** button to select and highlight one of the **TIMER** Controls. Choose from **TIME**, **START TIME**, **STOP TIME**, **CHANNEL**, **ACTIVATE**, or **DISPLAY**.
- 6** Press the **CURSOR LEFT** or **RIGHT** button to start the control adjustments. Use the buttons described in the definitions below to finish the adjustment.

TIME: Enter the current time with the numbered buttons. Use the Cursor Right button to move to the AM/PM area and use the Cursor Left or Right buttons to toggle AM or PM.

START TIME: Use the numbered buttons to enter a start-up time for the TV to turn on or to tune a specific channel.

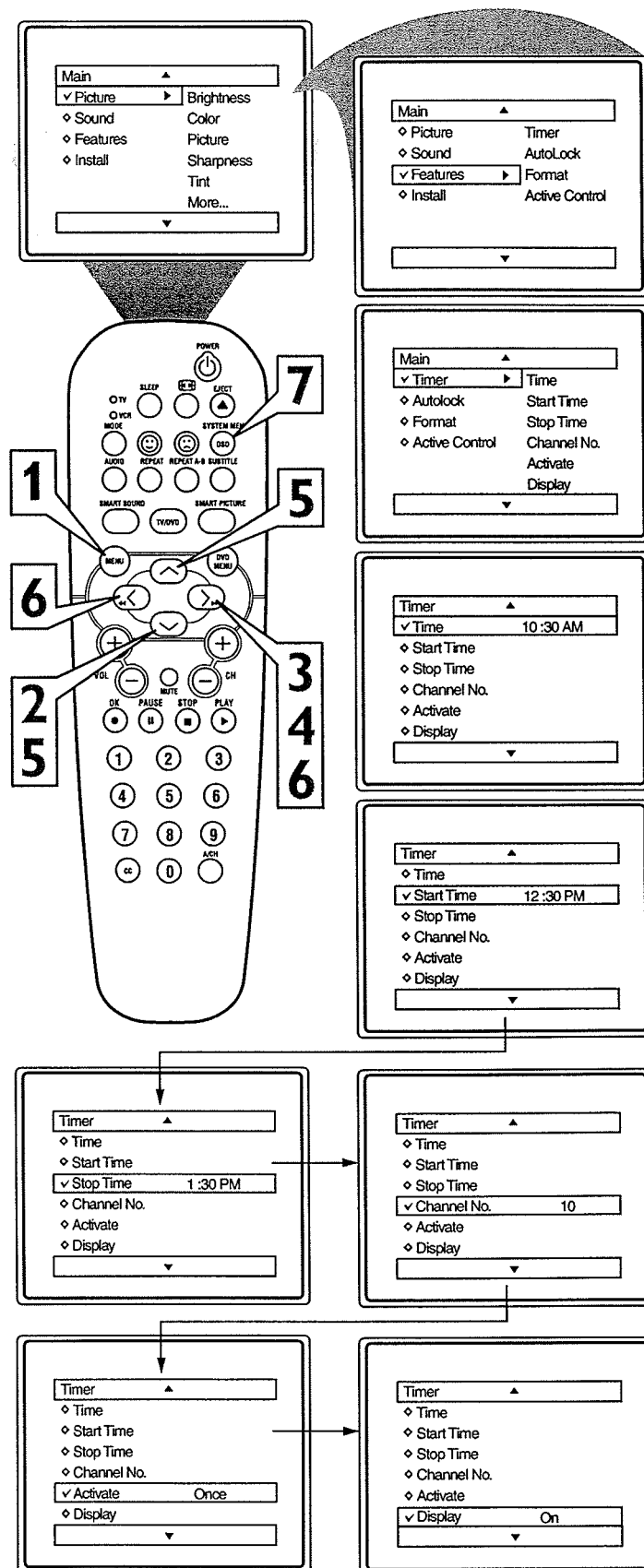
STOP TIME: Use the numbered buttons to enter a time for the TV to shut itself off.

CHANNEL: Use the Cursor Left or Right buttons to select a specific channel, AV Input, or DVD for the TV to tune to at the specific Start Time. If a DVD is playing, the control can be set to Bookmark DVD. If Bookmark DVD is selected the playback of the DVD in the spot it was bookmarked will resume when the TV powers itself on. Please refer to the Bookmark DVD section of this manual for more detailed instructions (please refer to page 48).

ACTIVATE: Set the Timer to perform its function **ONCE** or **DAILY**.

DISPLAY: Set to **ON** or **OFF**. When **ON**, the time will be displayed **ALL** the time the TV is **ON**. When **OFF**, the time will only appear when the **SYSTEM MENU (OSD)** button is pressed.

- 7** When finished, press the **SYSTEM MENU (OSD)** button to remove the menu from the TV's screen.

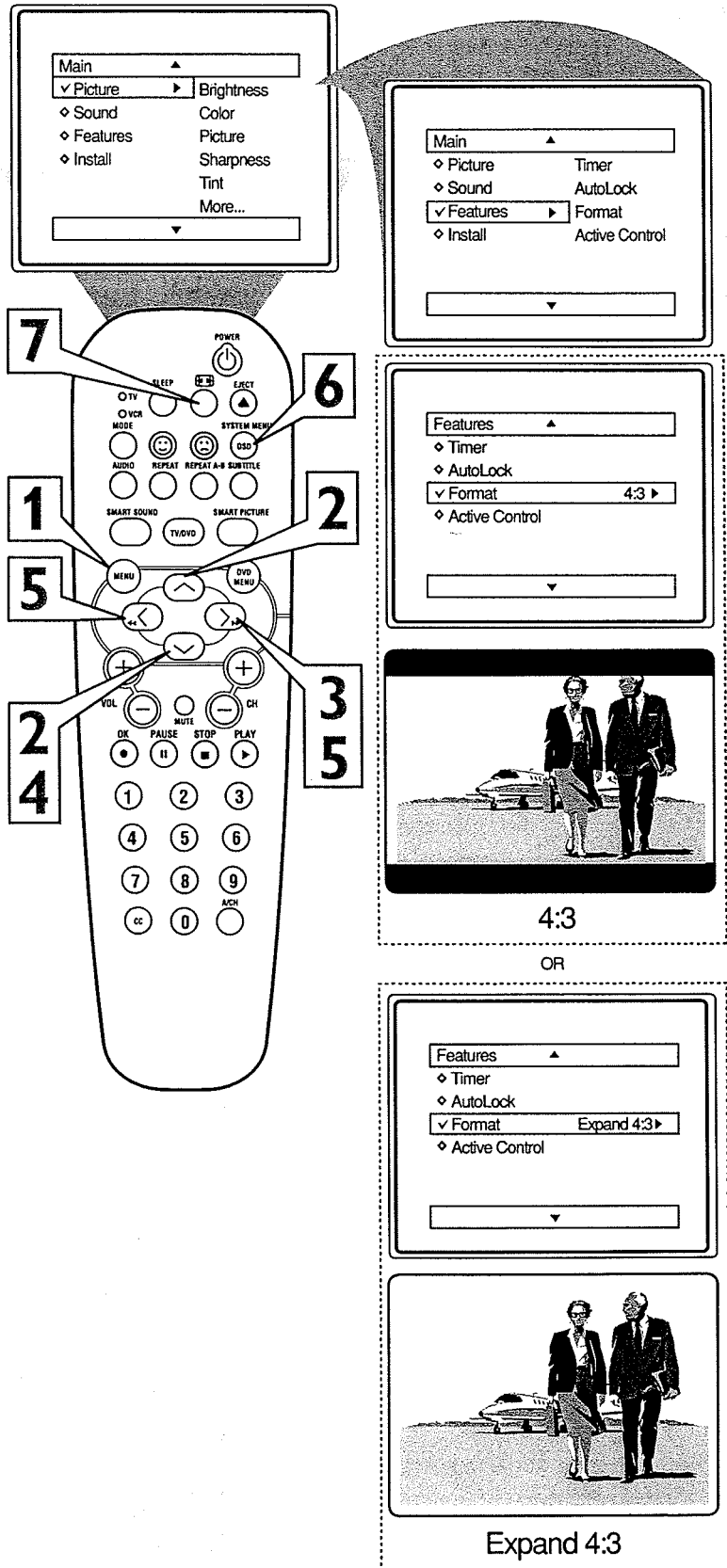




HOW TO USE THE FORMAT CONTROL

Many times while watching movies from a DVD player the image is shown in "letter box" format. This is the format that is shown in movie theaters. When shown on a TV screen, the image will have areas of black on top and bottom of the screen. The **FORMAT** Control can help to display the image as close as possible to its original aspect ratio.

- 1** Press the **MENU** button on the remote to display the on-screen menu.
- 2** Press the **CURSOR DOWN** button until the word **FEATURES** is highlighted.
- 3** Press the **CURSOR RIGHT** button to display the **FEATURES** menu options (Timer, AutoLock, Format, or Active Control).
- 4** Press the **CURSOR DOWN** button until the word **FORMAT** is highlighted.
- 5** Press the **CURSOR RIGHT** or **CURSOR LEFT** buttons to select one of the three options 4:3 or Expand 4:3.
 4:3 - Standard format for the TV.
 Expand 4:3 - Enlarges the picture to fill out the entire screen area, eliminating the "letter box" effect.
- 6** When finished, press the **SYSTEM MENU (OSD)** button to remove the menu from the TV's screen.
- 7** The Expand 4:3 format can also be activated using the **FORMAT** button when the onscreen menu is not being displayed. Pressing this button will toggle the standard 4:3 format, the Expand 4:3 format, or Compress 16:9 format.



UNDERSTANDING THE AUTOLOCK™ CONTROLS



The AutoLock™ 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 AutoLock™ 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.

Over the next few pages you'll learn how to block channels and certain rated programming. Below is a brief explanation of some terms and ratings you will find in the AutoLock feature.

AutoLock™ offers various **BLOCKING** controls from which to choose:

Access Code: An Access Code must be set to prevent children from unblocking questionable programming.

Channel Block: Individual channels including the A/V inputs can be blocked.

Clear All: Allows you clear all channels being blocked from your viewing set with the Channel Block Control.

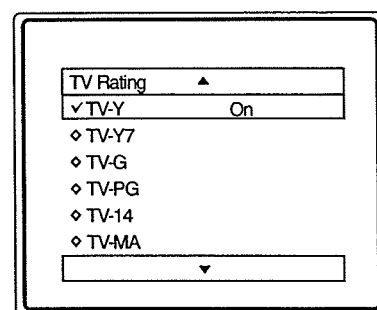
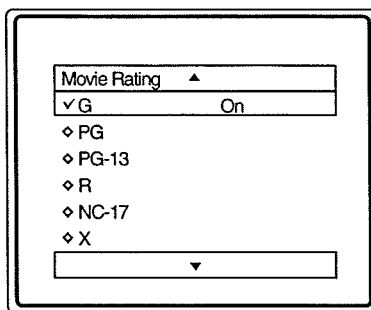
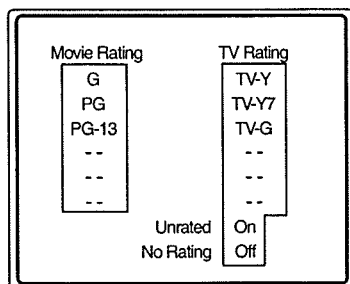
Block All: Allows you to block ALL channels and A/V inputs at one time.

Movie Ratings: Block programming based on ratings patterned by the Motion Pictures Association of America.

TV Ratings: Block programming based on standard TV ratings set by TV broadcasters.

To learn more about the Motion Picture Ratings and the TV Ratings, refer to the definitions listed on the columns to the right.

Press the **SYSTEM MENU (OSD)** button twice to display the AutoLock review screen. This screen shows what is activated within the AutoLock settings.



MOVIE RATINGS

(MOTION PICTURE ASSOCIATION OF AMERICA)

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 dialogue 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 dialogue.

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 dialogue.

R: Restricted - This is 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 dialogue.

NC-17: No one 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, very coarse and intensely suggestive language.

TV PARENTAL GUIDELINES

(TV BROADCASTERS)

TV Y **TV-Y** - (All children -- This program is designed to be 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 **TV-Y7** - (Directed to Older Children -- This program is designed for children age 7 and above.) It may be more appropriate for children who have acquired the development skills needed to distinguish between make-believe and reality. This programming may include mild fantasy and comic violence (FV).

TV G **TV-G** - (General Audience -- 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 dialogue or situations.

TV PG **TV-PG** - (Parental Guidance Suggested -- This program 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 dialogue (D).

TV 14 **TV-14** - (Parents Strongly Cautioned -- This program contains some material that many parents would find unsuitable for children under 14 years of age.) 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 dialogue (D).

TV MA **TV-MA** - (Mature Audience Only -- This program is specifically designed to be viewed by adults and therefore 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).



SETTING UP AN AUTOLOCK™ ACCESS CODE

Over the next few pages you'll learn how to block channels and get a better understanding of the rating terms for certain programming.

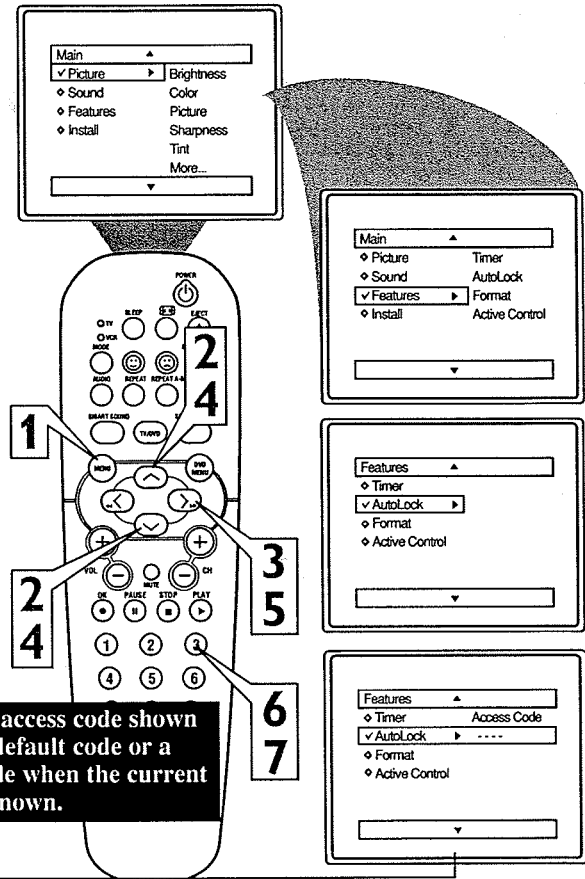
First, let's start by learning how to set a personal access code:

- 1** Press the **MENU** button on the remote to display the on-screen menu.
- 2** Press the **CURSOR UP** or **DOWN** button until the word **FEATURES** is highlighted.
- 3** Press the **CURSOR RIGHT** button to display the **FEATURES** menu options.
- 4** Press the **CURSOR UP** or **DOWN** button until the words **AUTOLOCK** are highlighted.
- 5** Press the **CURSOR RIGHT** button. The screen will read, "ACCESS CODE - - - -."
- 6** Using the **NUMBERED** buttons, enter **0, 7, 1, 1**. "XXXX" appears on the Access Code screen as you press the numbered buttons.
"INCORRECT CODE" will appear on the screen, and you will need to enter **0, 7, 1, 1** again.
- 7** The screen will ask you to enter a "New Code." Enter a "new" 4 digit code using the **NUMBERED** buttons. The screen will then ask you to **CONFIRM** the code you just entered. Enter your new code again. "XXXX" will appear when you enter your new code and then display the AutoLock menu options.

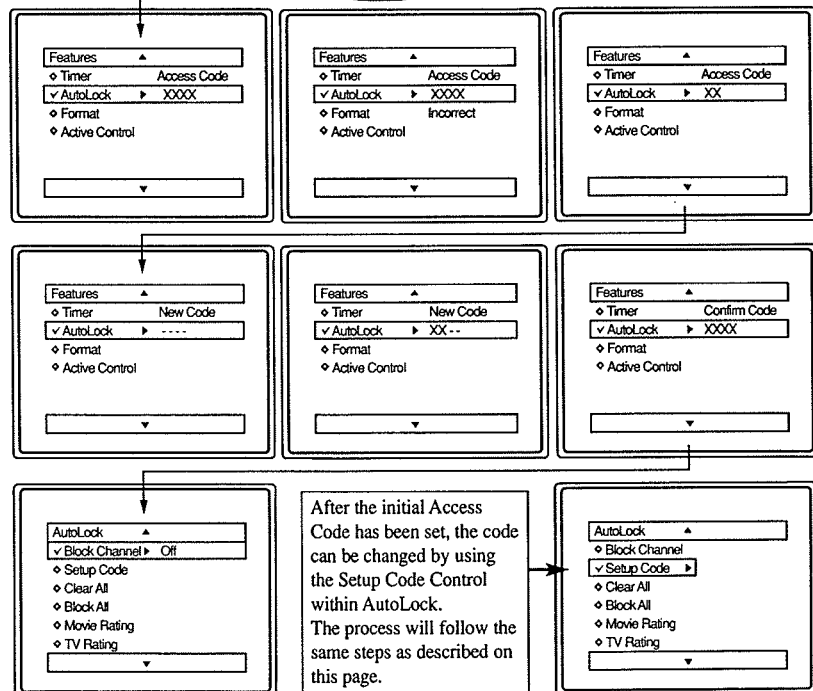
Proceed to the next page to learn more...

HELPFUL HINT

Parents - it isn't possible for your child to unblock a channel without knowing your access code or changing it to a new one. If your code changes, and you didn't change it, then you know it's been altered by someone else and blocked channels have been viewed.



NOTE: The 0,7,1,1 access code shown on this page is the default code or a way to reset the code when the current access code is not known.

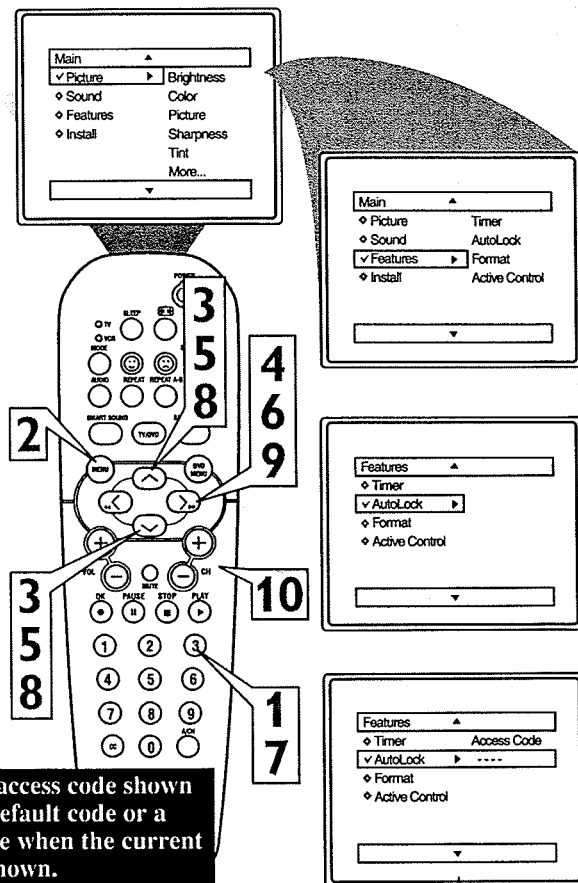


HOW TO BLOCK CHANNELS

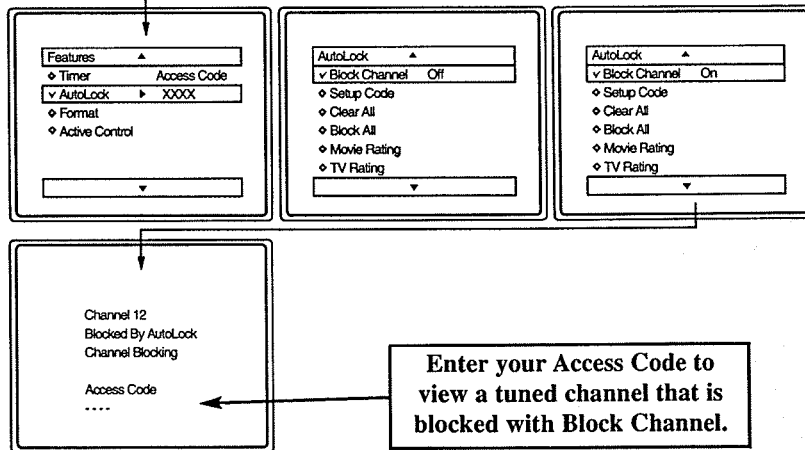


After your personal access code has been set (see previous page), you are now ready to select the channels you want to block out or censor.

- 1** Press the **NUMBERED** (or **CH +, -**) buttons to tune the channel you wish to block or censor.
- 2** Press the **MENU** button on the remote to show the on-screen menu.
- 3** Press the **CURSOR UP** or **DOWN** button until the word **FEATURES** is highlighted.
- 4** Press the **CURSOR RIGHT** button to display the **FEATURES** menu options.
- 5** Press the **CURSOR UP** or **DOWN** button until the words **AutoLock** are highlighted.
- 6** Press the **CURSOR RIGHT** button. "ACCESS CODE" will appear on the screen.
- 7** Enter the correct access code number. "XXXX" shows on the Access Code display as you press the **NUMBERED** buttons. AutoLock menu options will be displayed.
- 8** Press the **CURSOR UP** or **DOWN** buttons until the words **BLOCK CHANNELS** are highlighted.
- 9** Press the **CURSOR RIGHT** button to turn blocking **ON** or **OFF** for that channel. When **ON** is selected the channel will be blocked.
- 10** Press the **CH +** or **-** button to select other channels you wish to block. Repeat step 9 to block the new channel.



NOTE: The 0,7,1,1 access code shown on this page is the default code or a way to reset the code when the current access code is not known.



HELPFUL HINT

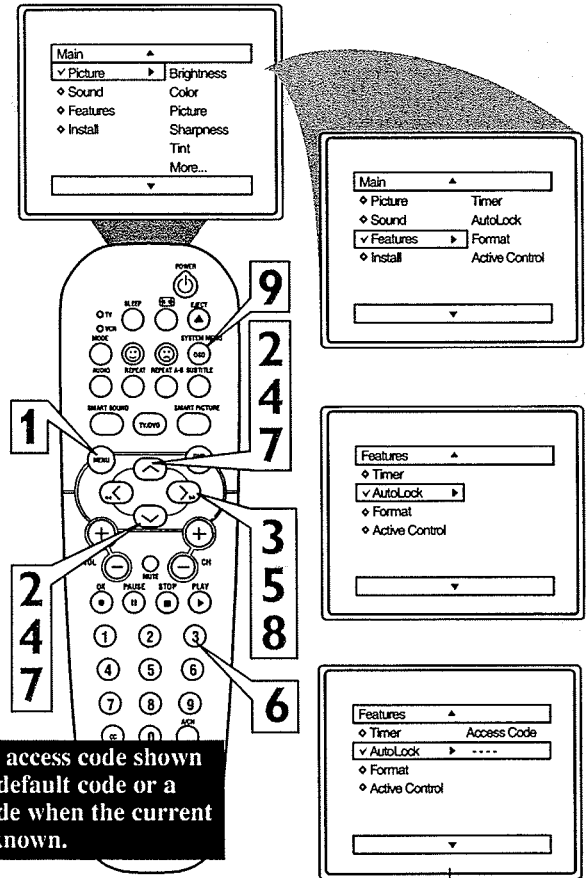
If you tune to a blocked channel and enter your Access Code to view the channel, ALL blocked channels will be viewable until the TV has been turned off. When the TV is powered back ON, the previously blocked channels will be blocked again.



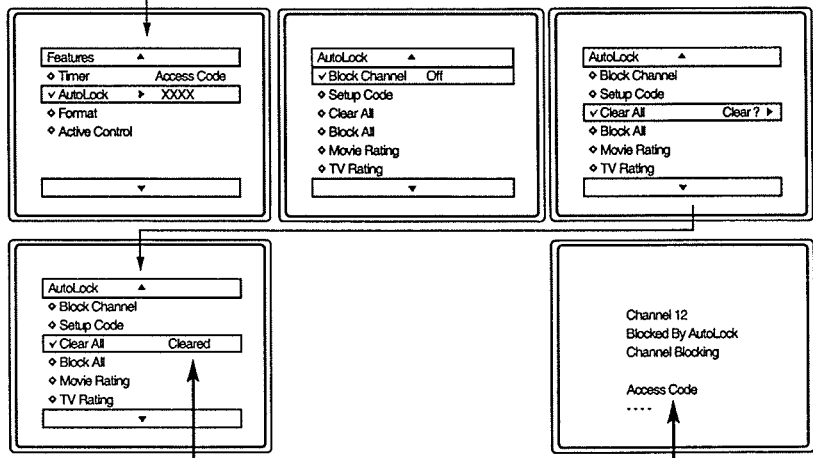
HOW TO CLEAR ALL BLOCKED CHANNELS AT THE SAME TIME

After blocking specific channels there may come a time when you want to clear all the channels so they can be viewed. The following steps explain how to CLEAR ALL blocked channels.

- 1** Press the **MENU** button on the remote to show the on-screen menu.
- 2** Press the **CURSOR UP** or **DOWN** button until the word **FEATURES** is highlighted.
- 3** Press the **CURSOR RIGHT** button to display the **FEATURES** menu options.
- 4** Press the **CURSOR UP** or **DOWN** button until the words **AutoLock** are highlighted.
- 5** Press the **CURSOR RIGHT** button.
- 6** Enter the correct access code number. "XXXX" shows on the Access Code display as you press the **NUMBERED** buttons. AutoLock menu options will be displayed.
- 7** Press the **CURSOR UP** or **DOWN** button until the words **CLEAR ALL** are highlighted.
- 8** Press the **CURSOR RIGHT** button to clear all blocked channels. The Clear All option will read, "Cleared."
- 9** When finished, press the **SYSTEM MENU (OSD)** button to remove the menu from the TV's screen.



NOTE: The 0,7,1,1 access code shown on this page is the default code or a way to reset the code when the current access code is not known.



The Clear All option when activated will unblock ALL blocked channels. It will not affect programming blocked by the Movie or TV Rating options.

Or, enter your Access Code to view a tuned channel that is blocked with Block Channel.

HELPFUL HINT

If you tune to a blocked channel and enter your Access Code to view the channel, ALL blocked channels will be viewable until the TV is powered OFF and then turned back ON. When the TV is powered back ON, the previously blocked channels will be blocked again.

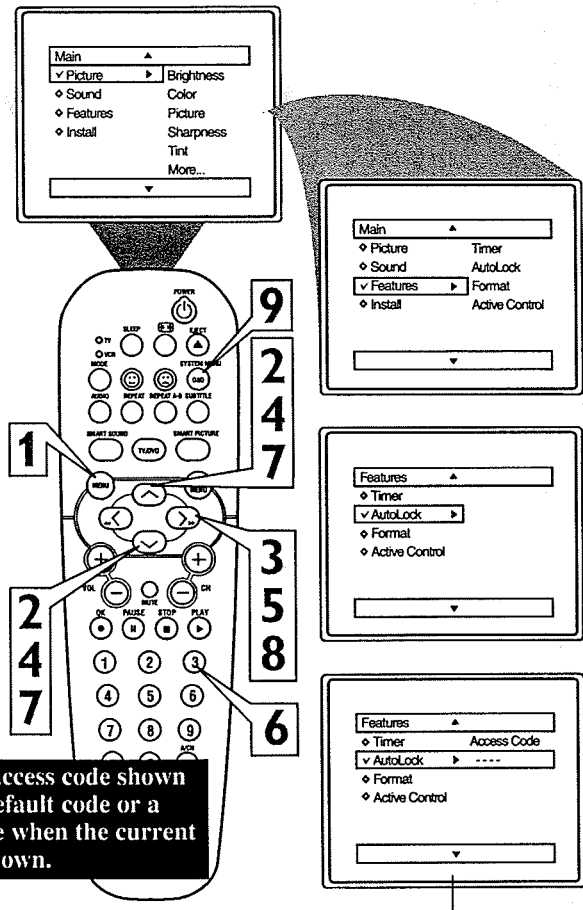
CLEAR ALL will not work with the Movie and TV Ratings. These options must be reset individually.

HOW TO BLOCK ALL CHANNELS AT THE SAME TIME

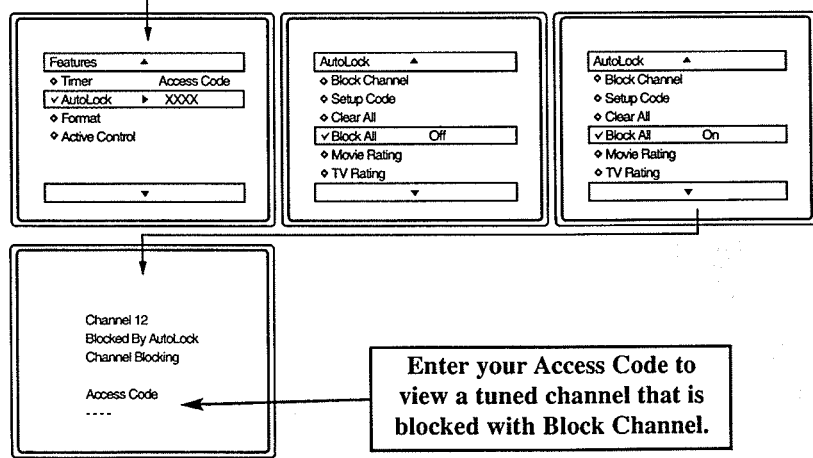


There may come a time when you want to Block All the television's channels. Maybe you don't want your children to watch TV for a given time. With the Block All control, ALL available channels (including the A/V Inputs) can be set to block at the same time.

- 1** Press the **MENU** button on the remote to show the on-screen menu.
- 2** Press the **CURSOR UP** or **DOWN** button until the word **FEATURES** is highlighted.
- 3** Press the **CURSOR RIGHT** button to display the **FEATURES** menu options.
- 4** Press the **CURSOR UP** or **DOWN** button until the words **AutoLock** are highlighted.
- 5** Press the **CURSOR RIGHT** button.
- 6** Enter the correct access code number. "XXXX" shows on the Access Code display as you press the **NUMBERED** buttons. AutoLock menu options will be displayed.
- 7** Press the **CURSOR UP** or **DOWN** button until the words **BLOCK ALL** are highlighted.
- 8** Press the **CURSOR RIGHT** button to turn Block All **ON** or **OFF**. When **ON** is selected, ALL available channels will be blocked.
- 9** When finished, press the **SYSTEM MENU (OSD)** button to remove the menu from the screen.



NOTE: The 0,7,1,1 access code shown on this page is the default code or a way to reset the code when the current access code is not known.



HELPFUL HINT

If you tune to a blocked channel and enter your Access Code to view the channel, ALL blocked channels will be viewable until the TV has been turned off. When the TV is powered back ON, the previously blocked channels will be blocked again.

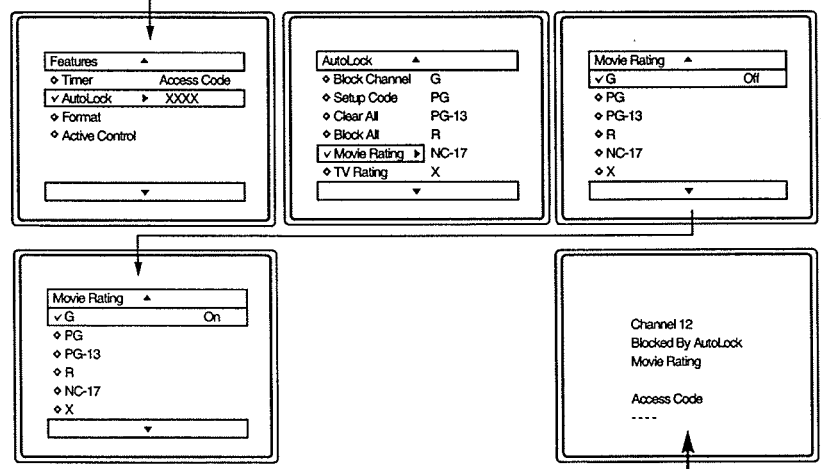
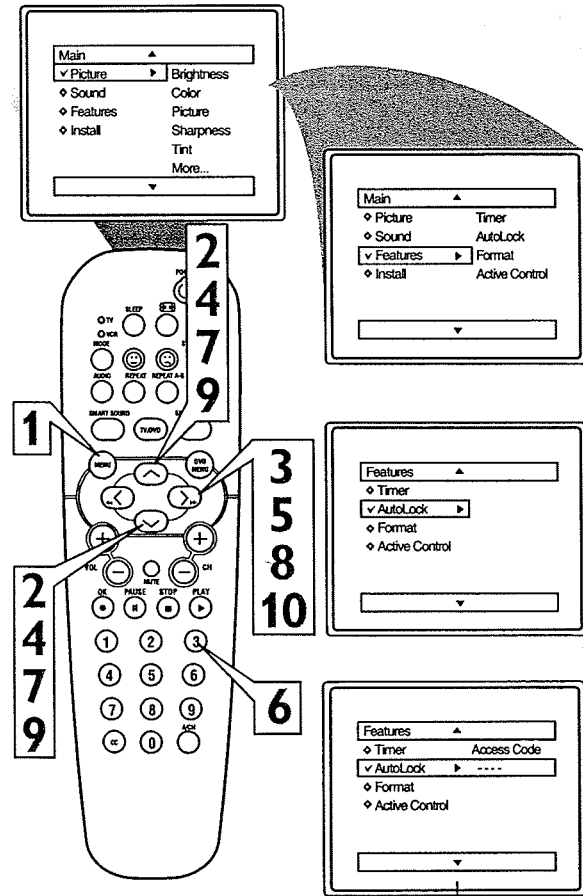


BLOCKING PROGRAMS BASED ON MOVIE RATINGS

There are two types of program ratings within the AutoLock™ feature. One is based on the Movie Industry ratings while the other is based on the TV Industry ratings. Both can be used to block or censor programming that has been rated in either manner.

Let's first look at the Movie Rating options of AutoLock™:

- 1 Press the **MENU** button on the remote to display the on-screen menu.
- 2 Press the **CURSOR UP** or **DOWN** button until the word **FEATURES** is highlighted.
- 3 Press the **CURSOR RIGHT** button to display the **FEATURES** menu options.
- 4 Press the **CURSOR UP** or **DOWN** button until **AutoLock** is highlighted.
- 5 Press the **CURSOR RIGHT** button. The screen will prompt you for your Access Code.
- 6 Using the **NUMBERED** buttons on the remote, enter your 4 digit Access Code. The AutoLock menu options will be displayed.
- 7 Press the **CURSOR UP** or **DOWN** button to highlight the words **MOVIE RATING**.
- 8 Press the **CURSOR RIGHT** button to display the **MOVIE RATING** options (G, PG, PG-13, R, NC17, or X).
- 9 Press the **CURSOR UP** or **DOWN** button to highlight any of the Movie Rating options. When highlighted, all these options can be turned **ON** (which will allow blocking) or **OFF** (which will allow viewing).
- 10 Use the **CURSOR RIGHT** button on the remote to turn the rating option **ON** or **OFF**.



HELPFUL HINT

When a rating is set to block, all higher ratings will be automatically blocked as well. (Example: If the the PG-13 rating is set to block, the R, NC-17, and X ratings will also be blocked.)

NOTE: The 0,7,1,1 access code shown on this page is the default code or a way to reset the code when the current access code is not known.

To view a program blocked by the Movie Rating options, enter your 4 digit access code. This will disable all blocked Movie Ratings until the TV is powered off and on again. Then the blocking options will be restored.

BLOCKING PROGRAMS BASED ON TV RATINGS

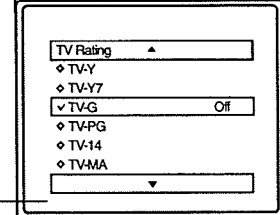
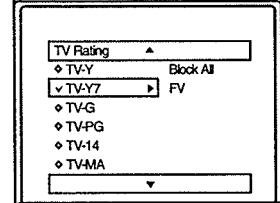
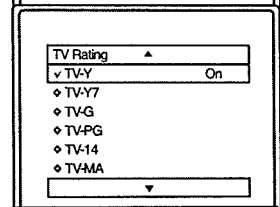
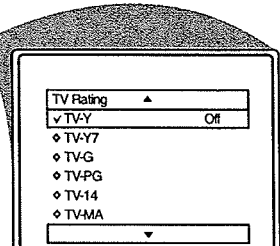
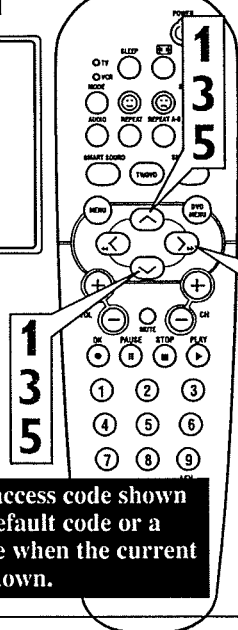
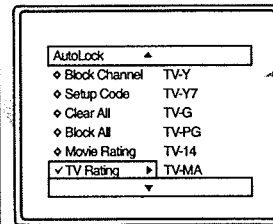
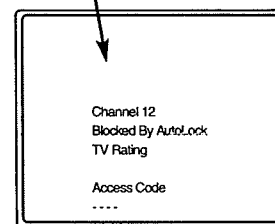


This portion of the AutoLock™ features cover program ratings based on the TV Industry rating system. This is known as TV Rating within AutoLock™.

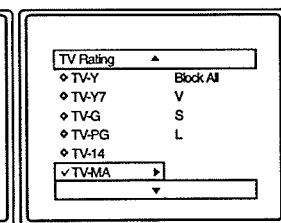
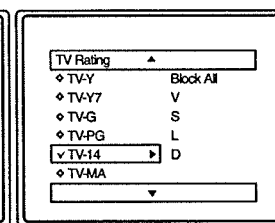
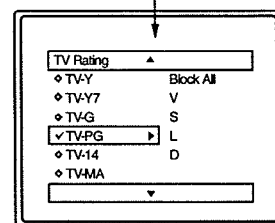
After selecting the Autolock™ feature and entering your personal access code, the AutoLock™ options screen appears;

- 1** Scroll the menu using the CURSOR UP or DOWN buttons until the words TV RATING are highlighted.
- 2** Press the CURSOR RIGHT button to display the TV Ratings (TV-Y, TV-Y7, TV-G, TV-PG, TV-14, or TV-MA). When highlighted, the TV-Y and TV-G can be turned ON (which will allow blocking) or OFF (which will allow viewing), of these rated programs. The ratings of TV-Y7, TV-PG, TV-14, TV-MA can be customized to block V (violence), FV (fantasy violence), S (sexual situations), L (coarse language), or D (suggestive dialogue).
- 3** Press the CURSOR UP or DOWN button to highlight the desired rating.
- 4** Press the CURSOR RIGHT button on the remote to turn the TV-Y or TV-G rating ON or OFF. Or, press the CURSOR RIGHT button to enter the sub-menus for the TV-Y7, TV-PG, TV-14 or TV-MA ratings.
- 5** If the TV-Y7, TV-PG, TV-14 or TV-MA sub-menu is accessed, press the CURSOR UP or CURSOR DOWN button to select one of the options (Block All, V, S, L, D, or FV).
- 6** Press the CURSOR RIGHT button on the remote to turn the option ON or OFF.

To view a program blocked by the TV Rating options, enter your 4 digit access code. This will disable all blocked TV Ratings until the TV is powered off and on again. Then the blocking options will be restored.



NOTE: The 0,7,1,1 access code shown on this page is the default code or a way to reset the code when the current access code is not known.



TV Ratings and Rating Sub-Menus
When a TV Rating is selected to block, ALL higher ratings will be blocked also.

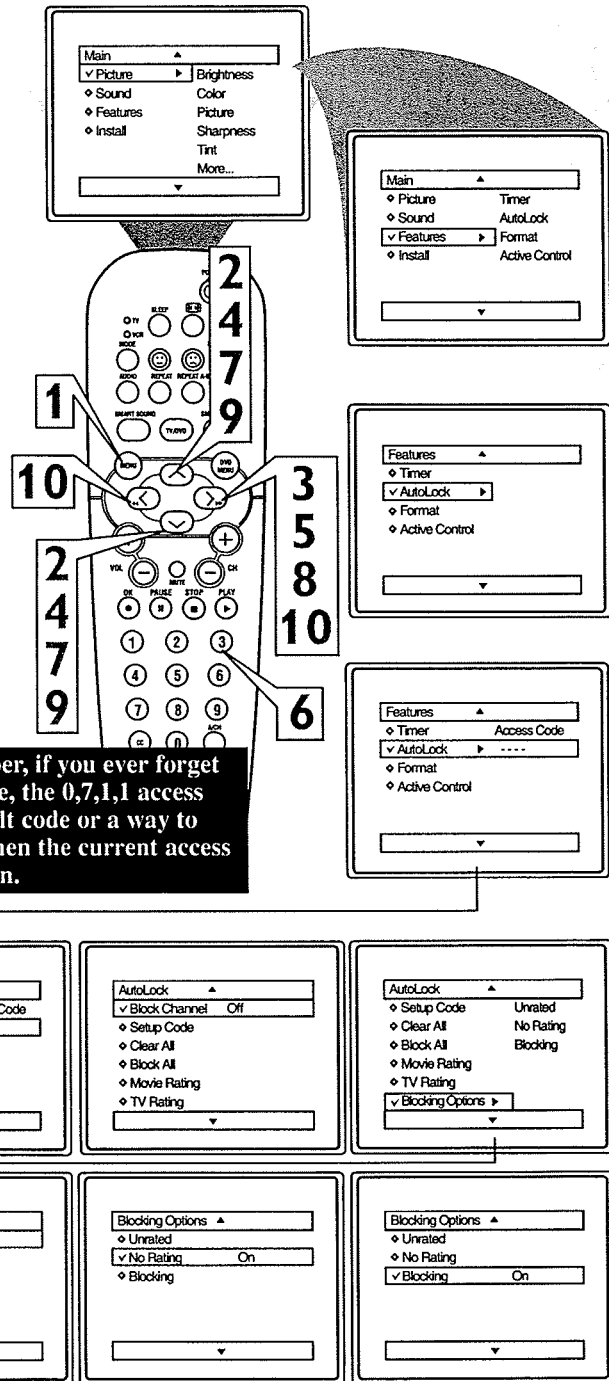
- TV-Y** - (All children -- This program is designed to be appropriate for all children.) Designed for a very young audience, including children ages 2-6. This type of programming is not expected to frighten younger children.
- TV-Y7** - (Directed to Older Children -- This program is designed for children age 7 and above.) It may be more appropriate for children who have acquired the development skills needed to distinguish between make-believe and reality. This programming may include mild fantasy and comic violence (FV).
- TV-G** - (General Audience -- 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 dialogue or situations.
- TV-PG** - (Parental Guidance Suggested -- This program contains material that parents may find unsuitable for younger children.) This type of programming contains one or more of the following: some suggestive dialogue (D), infrequent coarse language (L), some sexual situations (S), or moderate violence (V).
- TV-14** - (Parents Strongly Cautioned -- This program contains some material that many parents would find unsuitable for children under 14 years of age.) This type of programming contains one or more of the following: intensely suggestive dialogue (D), strong coarse language (L), intense sexual situations (S), or intense violence (V).
- TV-MA** - (Mature Audience Only -- This program is specifically designed to be viewed by adults and therefore may be unsuitable for children under 17.) This type of programming contains one or more of the following: crude indecent language (L), explicit sexual situations (S), or graphic violence (V).



OTHER AUTOLOCK™ BLOCKING OPTIONS

AutoLock™ offers the viewer other blocking features as well. With these Blocking Options, the censoring can be turned ON or OFF.

- 1 Press the **MENU** button on the remote to show the on-screen menu.
- 2 Press the **CURSOR UP** or **DOWN** button until the word **FEATURES** is highlighted.
- 3 Press the **CURSOR RIGHT** button to display the **FEATURES** menu options.
- 4 Press the **CURSOR UP** or **DOWN** button until the words **AutoLock** are highlighted.
- 5 Press the **CURSOR RIGHT** button.
- 6 Enter the correct access code number. "XXXX" shows on the Access Code display as you press the **NUMBERED** buttons. AutoLock menu options will be displayed.
- 7 Press the **CURSOR UP** or **DOWN** buttons until the words **BLOCKING OPTIONS** are highlighted.
- 8 Press the **CURSOR RIGHT** button to display the **Blocking Options** (**BLOCKING**, **UNRATED**, or **NO RATING**) menu.
- 9 Press the **CURSOR UP** or **DOWN** buttons to highlight the desired feature.
- 10 When highlighted, each feature can be turned **ON** or **OFF** using the **CURSOR RIGHT** or **LEFT** buttons on the remote.



BLOCKING OPTIONS:

BLOCKING: This is what might be called the "master switch" for AutoLock™. When in the ON position, ALL blocking/censoring will take place. When in the OFF position, ALL blocking is disabled.

UNRATED: ALL unrated programs based on the Movie Ratings or Parental (TV) Guidelines can be blocked if this feature is set to ON and the **BLOCKING** feature is set to OFF.

NO RATING: ALL programming with NO content advisory data can be blocked if this feature is set to ON and the **BLOCKING** feature is set to OFF.

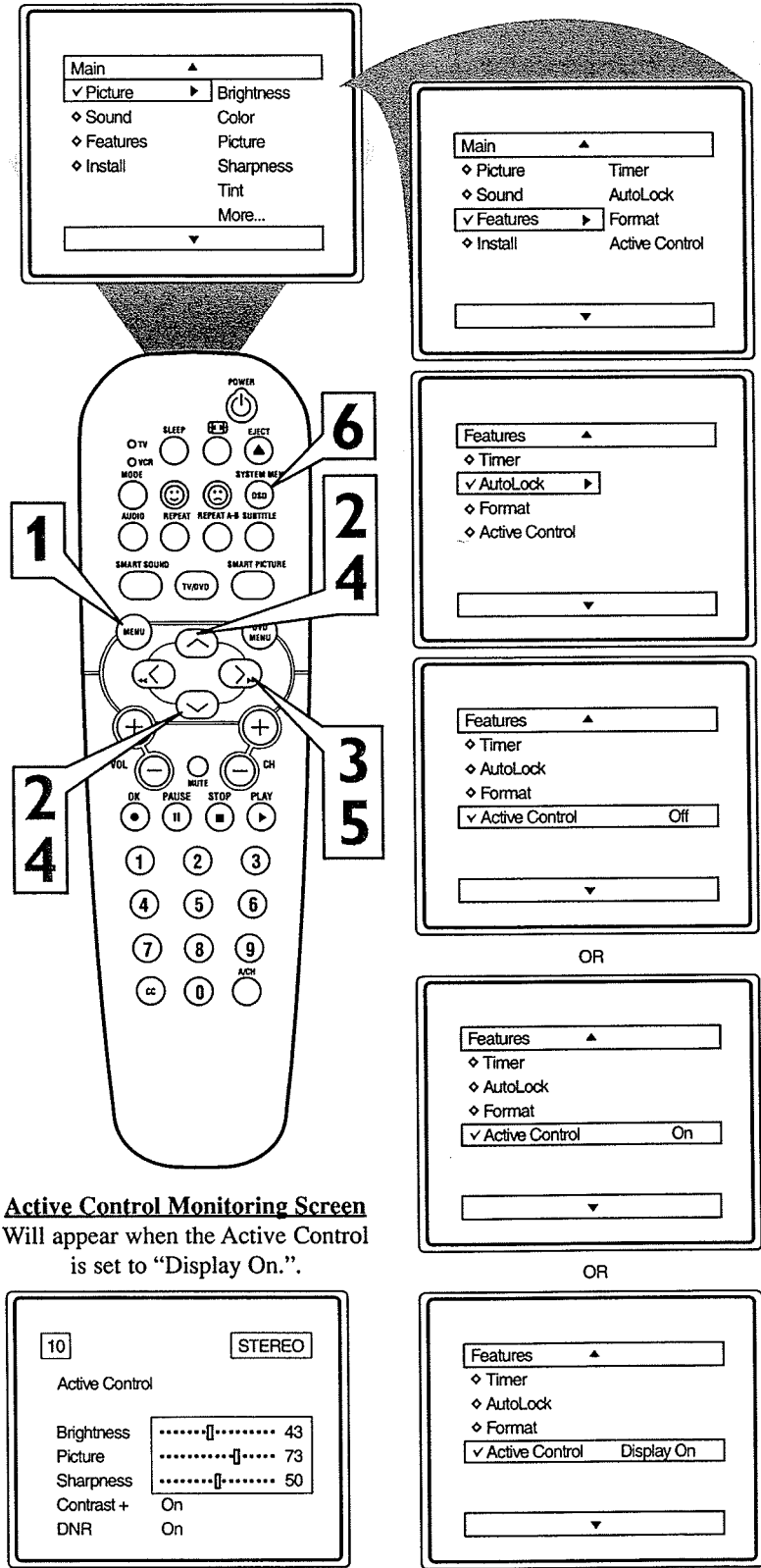
HOW TO USE THE ACTIVE CONTROL



The Active Control monitors and adjusts incoming video signals to help provide the best picture quality.

When you choose to turn the Active Control ON, the Brightness, Picture, Sharpness, Contrast + and DNR (dynamic noise reduction) features are controlled automatically. Active Control adjusts these picture settings continuously and automatically.

- 1** Press the **MENU** button on the remote to show the on-screen menu.
 - 2** Press the **CURSOR UP** or **DOWN** button until the word **FEATURES** is highlighted.
 - 3** Press the **CURSOR RIGHT** button to display the **FEATURES** menu options.
 - 4** Press the **CURSOR UP** or **DOWN** button until the words **Active Control** are highlighted.
 - 5** Press the **CURSOR RIGHT** button to set the Active Control to Off, On, or Display ON.
- Display On** - When selected, an Active Control monitoring screen will be shown for a few seconds whenever a channel change is made. Within this menu, you can actually see the controls changing to give the best possible picture quality.
- On** - When selected, the Active Control will work to give the viewer the best possible picture, but will not display the monitoring screen when channels are changed.
- Off** - the Active control will not be activated.
- 6** When finished, press the **SYSTEM MENU (OSD)** button to remove the menu from the TV's screen.





SETTING THE SLEEPTIMER CONTROL

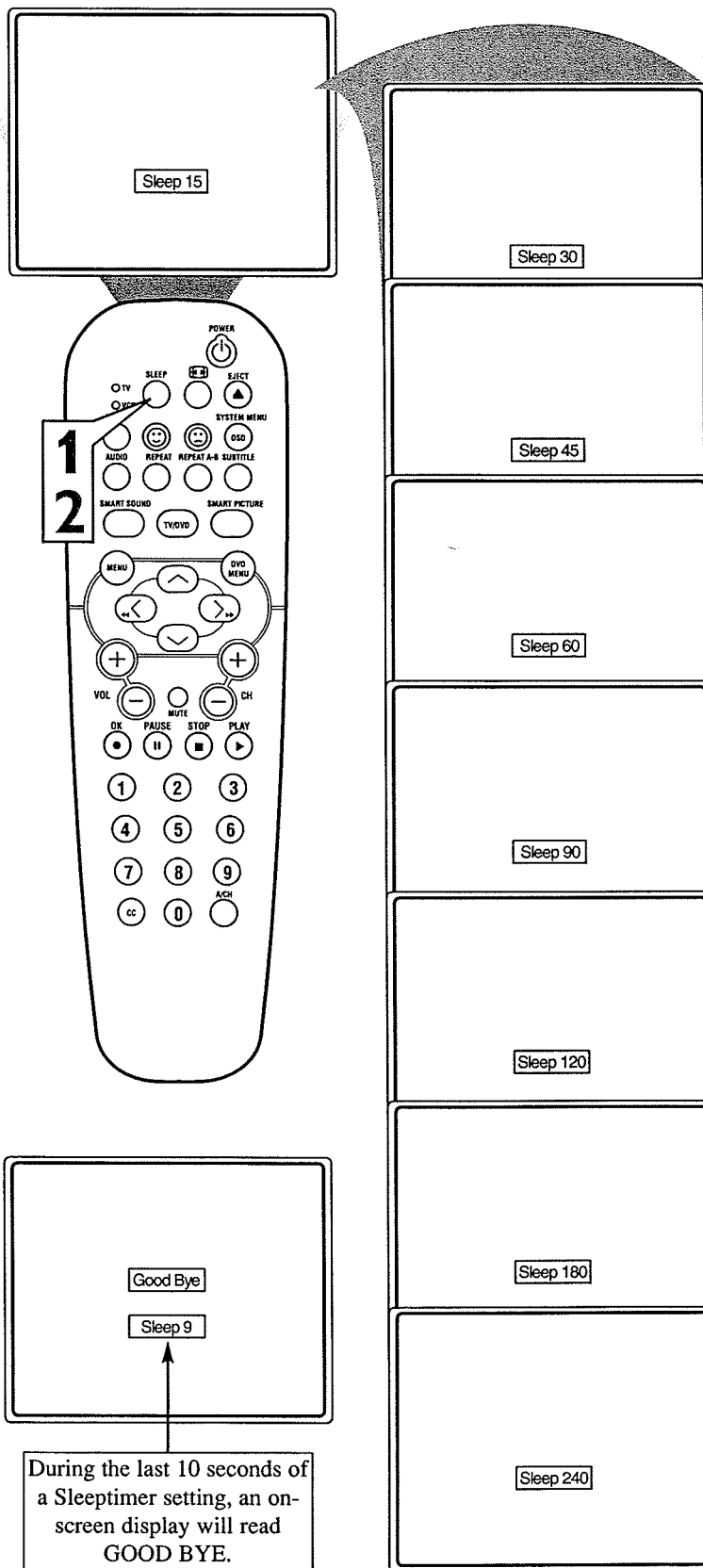
Have you ever fallen asleep in front of the TV only to have it wake you up at two in the morning with a test pattern screeching in your ears? Well, your TV can save you all that trouble by automatically turning itself off.

- 1 Press the **SLEEP** button on the remote control and the **SLEEP** timer display will appear on the screen.
- 2 Press the **SLEEP** button repeatedly to pick the amount of time (15, 30, 45, 60, 90, 120, 180 or 240 minutes) before the TV will turn itself off.

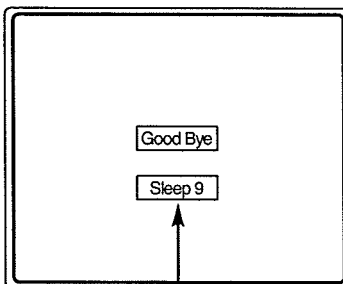
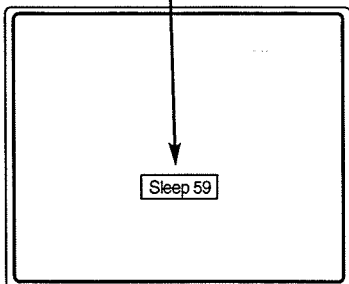
An on-screen count down will appear during the last minute before the TV shuts itself off.

HELPFUL HINT

The on-screen menu will time out and disappear from the screen when you finish, or you can press the **SYSTEM MENU (OSD)** button to clear the menu from the screen.



During the last minute of a Sleptimer setting, an on-screen count down will be displayed. Pressing any button during the last minute will cancel the Sleptimer.



During the last 10 seconds of a Sleptimer setting, an on-screen display will read **GOOD BYE**.

HOW TO USE THE CLOSED CAPTIONING CONTROL

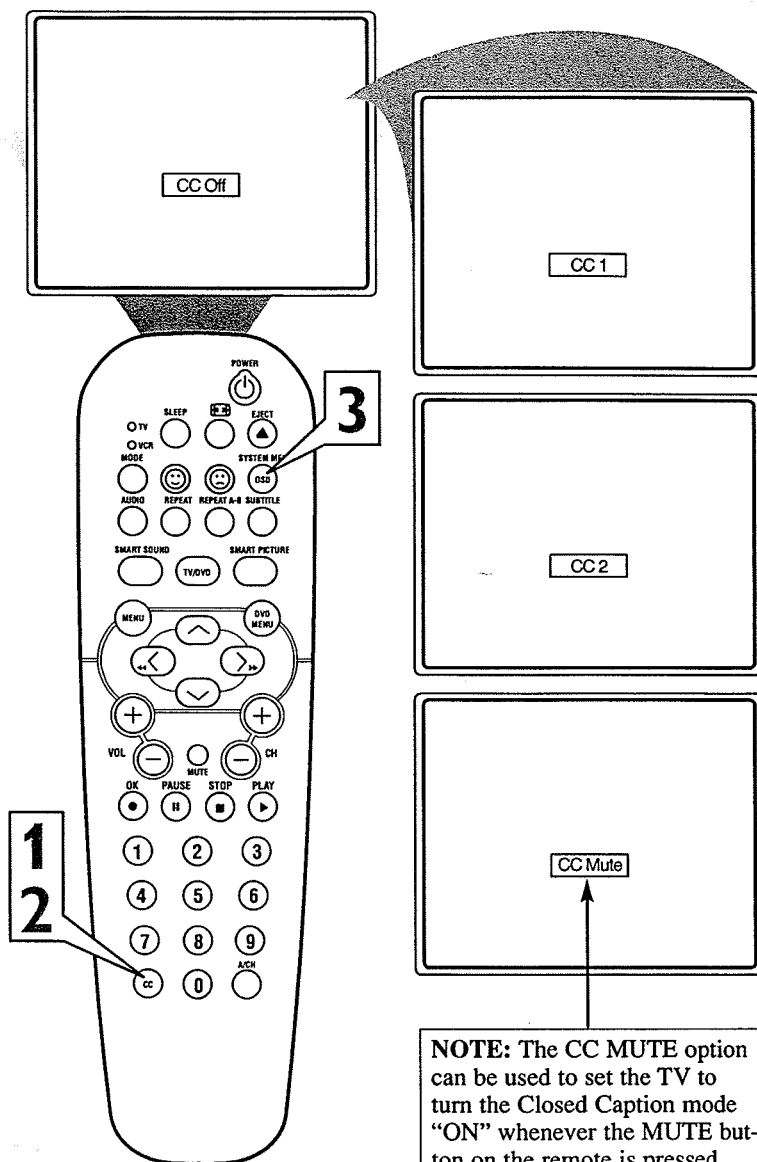


Closed Captioning (CC) allows you to read the voice content of television programs on the TV screen. Designed to help the hearing impaired, this feature uses on-screen "text boxes" to show dialogue and conversations while the TV program is in progress.

- 1** Press the **CC** button on the remote to display the current Closed Caption setting.
- 2** Press the **CC** button repeatedly to choose from the four Closed Caption options (CC Off, CC 1, CC 2, CC Mute). Dialogue (and descriptions) for the action on the captioned TV program will appear on-screen if the tuned program is broadcasting CC information.
- 3** When finished, press the **SYSTEM MENU (OSD)** button to remove the menu from the TV's screen or let the option time out and disappear from the TV screen.

HELPFUL HINT

Not all TV programs and product commercials are made with Closed Caption (CC) information included. Neither are all Closed Caption modes (CC1, or CC2) necessarily being used during the transmission of a closed caption program. Refer to your area's TV program listings for the stations and times of Closed Caption shows.



NOTE: The CC MUTE option can be used to set the TV to turn the Closed Caption mode "ON" whenever the MUTE button on the remote is pressed. This activates the CC1 option.



SETTING THE SMARTPICTURE™ CONTROL

Whether you're watching a movie or a sporting event, your TV has automatic video control settings matched for your current program source or content. The SmartPicture™ feature quickly resets your TV's video controls for a number of different types of programs and viewing conditions you may have in your home. Each SmartPicture™ setting is preset at the factory to automatically adjust the TV's Brightness, Color, Picture, Sharpness, Tint, Color Temperature, DNR and Contrast+ levels.

- 1** Press the SMART PICTURE button on the remote control. The current Auto Picture setting will appear in the middle of the screen.
- 2** Press the SMART PICTURE button repeatedly to select either PERSONAL, MOVIES, SPORTS, WEAK SIGNAL, or MULTIMEDIA picture settings.

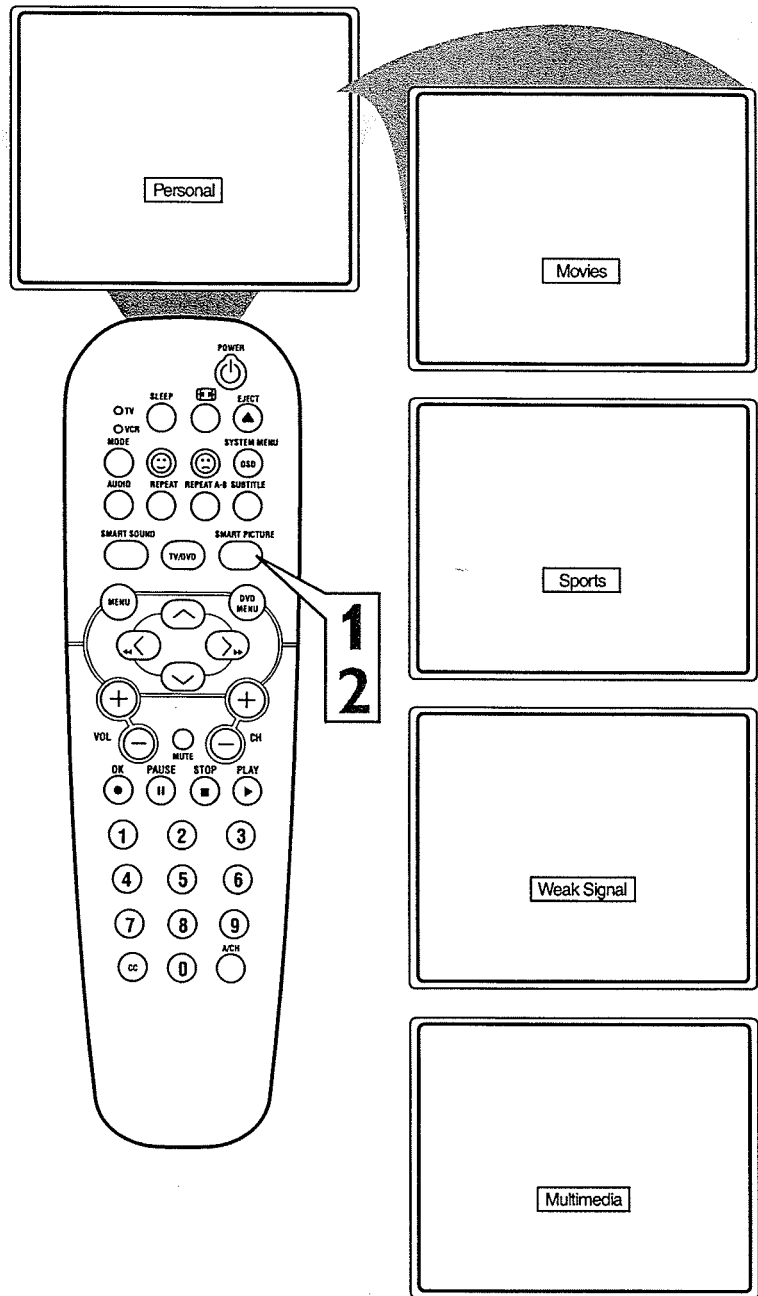
Note: The **PERSONAL** setting is the setting that you setup using the PICTURE options within the on-screen menu. This is the only Smart Picture setting that can be changed. All other settings are setup at the factory during the time of production.

MOVIES - Preset picture options for watching Video Tapes, or DVDs.

SPORTS - Preset picture options for watching sporting events.

WEAK SIGNAL - Preset picture options for watching programs where the reception is not at its best.

MULTIMEDIA - Preset picture options for use with video gaming.



SETTING THE SMARTSOUND™ CONTROL



The SmartSound™ feature allows the listener to select between four different factory set sound options. Personal (which can be set by the user), Theatre (for movie viewing), Music (for musical type programming) and Voice (when the program is mainly dialogue). These settings affect the Sound menu's Bass, Treble, AVL, and Incredible Surround controls

To select any of the options follow the directions below.

1 Press the SMART SOUND button on the remote control. The current Smart Sound setting will appear in the middle of the screen.

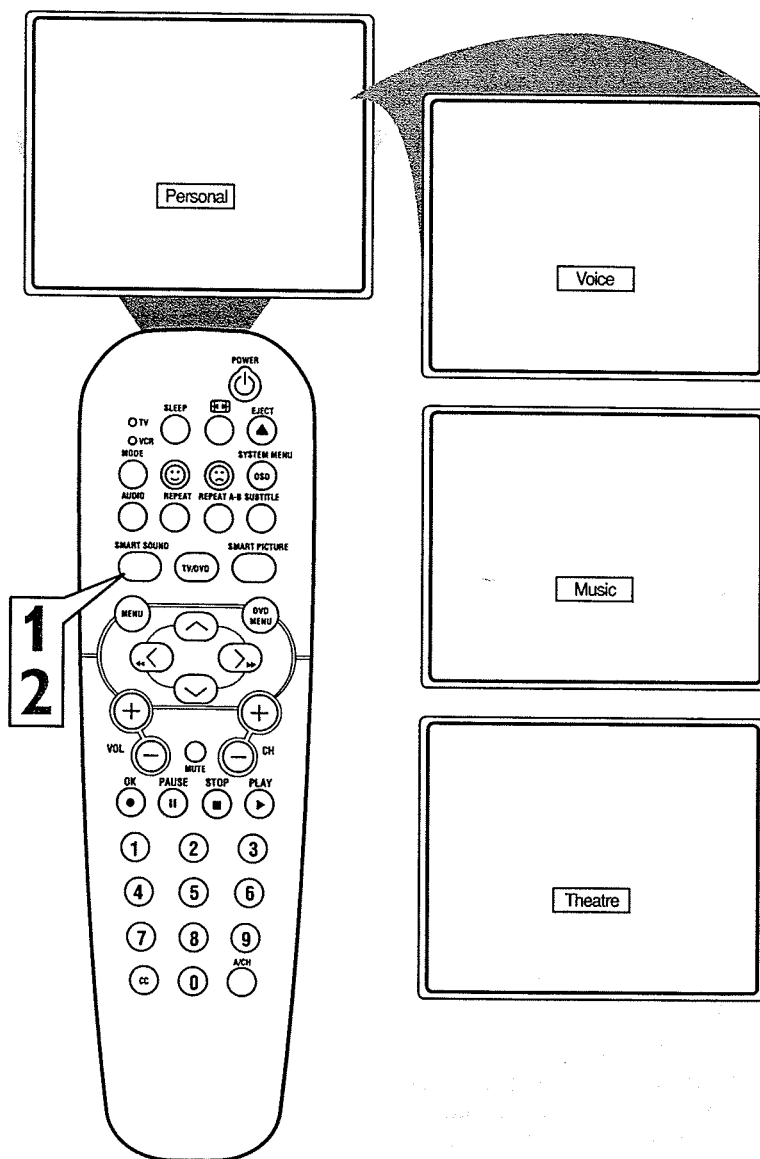
2 Press the SMART SOUND button repeatedly to toggle between the four settings.

Note: Only the PERSONAL control can be changed by the viewer. This changes the settings in the main on-screen menu's sound controls.

THEATRE - Preset sound options for watching movies.

MUSIC - Preset sound options for musical programming where there is little dialogue.

VOICE - Preset sound options for programming where heavy dialogue is present.





USING THE QUADRASURF™ BUTTONS

A "list" or series of previously viewed channels can be selected with the QuadraSurf™ (colored) buttons on your remote control. With this feature you can easily switch between different TV programs that currently interest you. The QuadraSurf™ control allows you set up four different personal Surf lists using the colored buttons (on the remote control), each holding up to ten channels in its quick viewing "list."

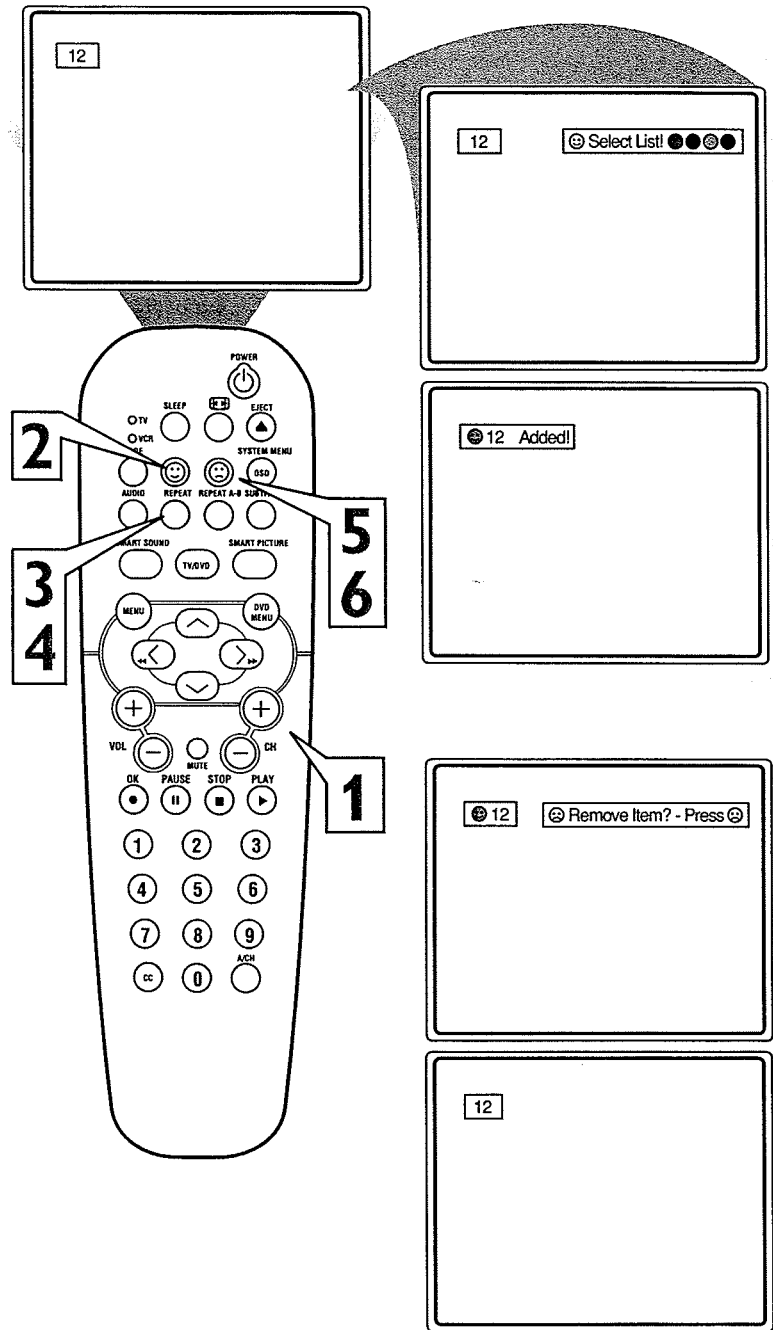
- 1** Press the CHANNEL (+) or (-) buttons (or the NUMBER buttons) to select a channel to add to one of the SURF lists.
- 2** Press the SMILEY ☺ button on the remote control to ADD the channel to one of the SURF lists.
- 3** Press the corresponding COLORED (Red, Green, Yellow or Blue) button to add the channel to that button's Surf list. (Up to ten channels per button can be stored.)

Repeat steps 1 through 3 to add additional channels (up to 10) to each of the SURF lists.

To remove a channel from one of the SURF lists;

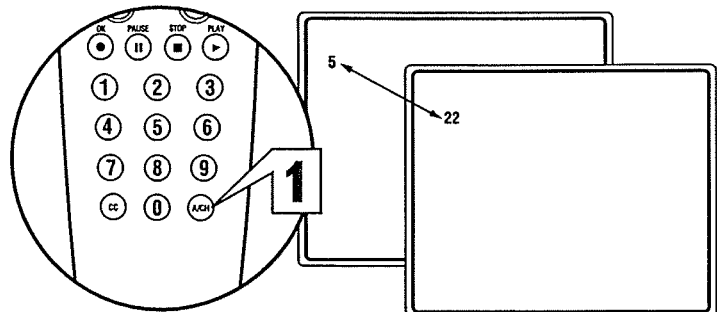
- 4** Press the COLORED QuadraSurf™ button until the desired channel appears. The screen will display the channel number with a colored "Smiley" face to indicate the Colored button it relates to.
- 5** While the "Smiley" face channel indicator is displayed, press the FROWNIE ☹ face button. The screen will read, "Remove item? - Press ☹."
- 6** Press the FROWNIE ☹ face button again to confirm your decision to remove the channel from the Surf list.

Repeat steps 4-6 to remove other channels from Surf lists.



ALTERNATE CHANNEL

Your remote also has an A/CH (Alternate Channel) button. Pressing this button will toggle between the current and one previously selected channel.



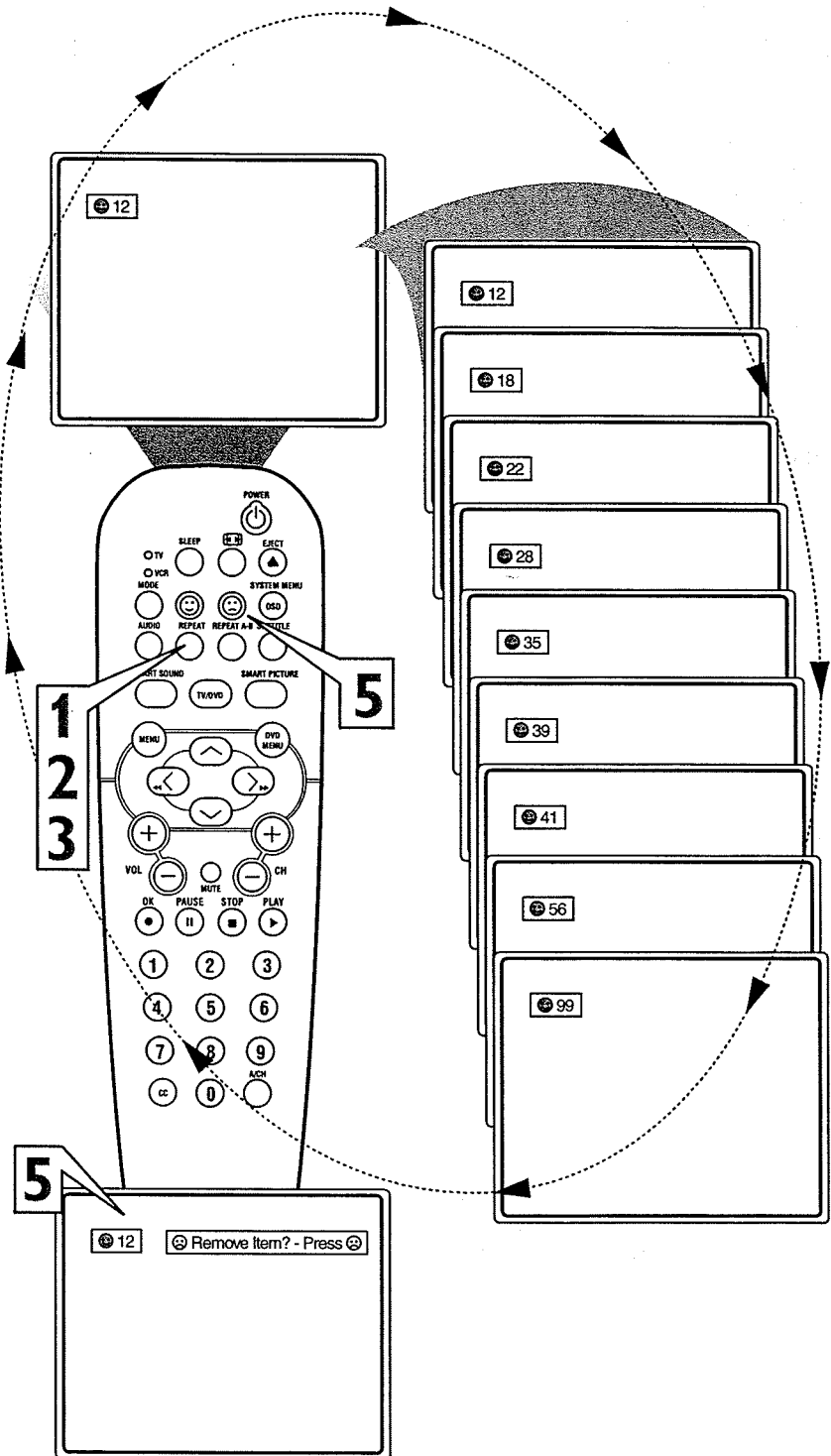
USING THE QUADRASURF™ BUTTONS



The QuadraSurf™ buttons on your remote control allow you to store up to 10 channels per button (40 total). This is a great feature if you want to store all your favorite Sports channels, Movie channels, or News channels in one surf list. Family members can have their own favorite list of channels. You can even program the external A/V Input jacks (Front channel) for one of the buttons making it a "source" button for your external accessory devices.

Assuming channels have now been added to the four QuadraSurf™ lists (the four colored buttons on the remote, see the previous page), let's review how the feature works.

- 1** Press one of the pre-programmed **COLORED** buttons on the remote (Red, Green, Yellow or Blue). The screen will display a smiley face with the first programmed channel for that surf list.
- 2** While the colored "smiley" face still appears on the screen, press the same **COLORED** button on the remote to tune the second channel programmed for that specific surf list.
- 3** Repeatedly pressing the same **COLORED** button while the "smiley" face appears will tune all the programmed channels for that specific surf list. After the last channel is tuned, pressing the **COLORED** button again will return you to the first channel in the list.
If the "smiley" face disappears from the screen and the same **COLORED** button is pressed, the surf channels will be displayed starting with the **FIRST** programmed channel again.
- 4** Repeat steps 1-3 for the other three **COLORED** buttons (Surf lists) if desired.
- 5** Any time the "smiley" face appears with the channel number, pressing the "frownie" face button will allow you to remove it from the list (see the previous page for more details).





OPERATING THE DVD PLAYER - BASIC OPERATION

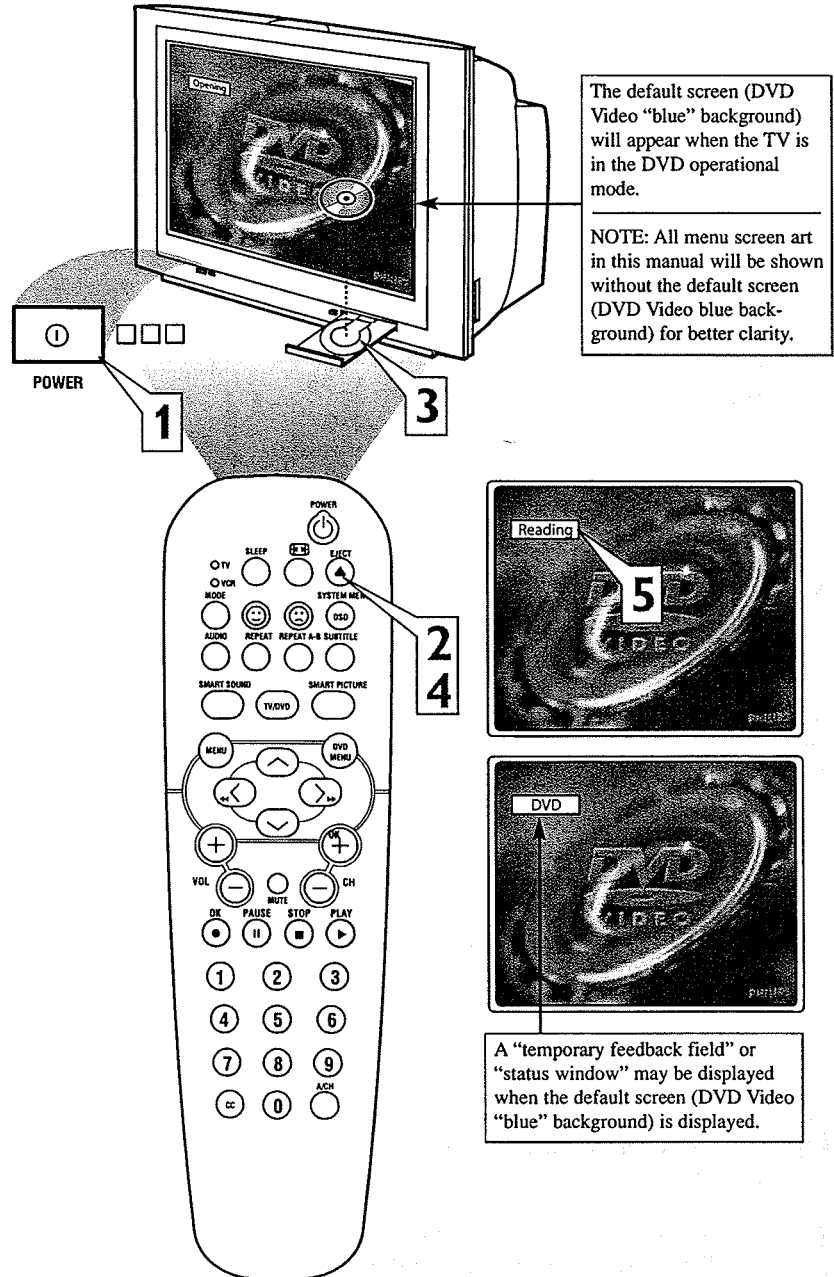
This section of the *Directions for Use* manual begins to explain the operating procedures of the DVD Player portion of this television.

Let's learn the simple operation of the TV's built-in DVD Player. Unless otherwise stated, all operations can be performed by using the remote control.

- 1** Press the **POWER** button on the remote control (or the TV) to turn the television ON.
- 2** Press the **EJECT** button on the remote control to place the TV/DVD in the DVD mode and to open the disc tray.
- 3** Place your chosen disc in the tray. Be sure that the disc label is facing up and the disc is centered in the tray.
- 4** Press the **EJECT** button on the remote control (or the EJECT button on the TV) to close the disc tray.
- 5** The on-screen display will indicate that the DVD Player is reading the disc. Then playback of the disc will begin automatically.

Note: If the "Child Lock" option is set to ON within the User Preference Settings section, the 4-digit access code must be entered or the disc must be authorized. (See the "Access Control" section within this manual.)

A default screen (DVD Video "blue" background) is displayed when the DVD Player is in the STOP mode. It may contain a "Status Window" and a "Temporary Feedback Field." This screen gives information concerning prohibited actions, playback, modes, available angles, etc.



OPERATING THE DVD PLAYER - DVD REMOTE BUTTONS



The remote control supplied with your TV/DVD product has specific buttons for the operation of the DVD Player. This page is a brief overview of those buttons.

POWER button - Press to power the TV/DVD on or off.

REPEAT button - Press once to repeat the playback of the current chapter. Press a second time to repeat the current title. Press a third time to repeat the entire disc. Press a fourth time to turn the repeat option off.

AUDIO button - Press to display the onscreen DVD Audio options.

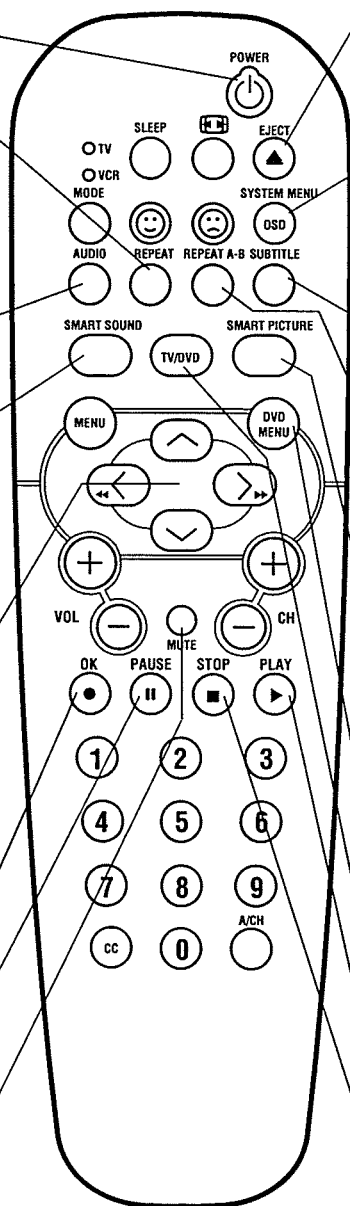
SMART SOUND button - Press to select from factory set sound values to match the type of programming your watching. Choose from: Personal, Voice, Music, or Theatre. See the Smart Sound section of the TV in this manual.

CURSOR buttons - Press to navigate the onscreen menus. Press the ►► to fast forward the playback of a disc. Press the ◀◀ to fast backwards the playback a disc. Press the ▲ to slow forward the playback of a disc. Press the ▼ slow reverse the playback of a disc.

OK button - Press to confirm selections within the onscreen menu options.

PAUSE button - Press to pause the playback of a disc. Press the Play button to resume playback.

MUTE button - Press to mute the sound coming from the TV speakers. Press again to restore the sound at its previous volume level.



EJECT button - With the TV on, press to place the unit in the DVD operational mode and open the disc tray. Press again to close the disc tray.

SYSTEM MENU (OSD) button - Press to display the onscreen DVD menu options. When the menu is displayed, press to remove the menu from the TV screen.

SUB-TITLE button - Press to display the Sub-title option control.

REPEAT A-B button - Press once at your chosen starting point of the playback. Press again at our chosen ending point. The length of playback chosen will now repeat itself. Press again to turn the Repeat A-B option off.

SMART PICTURE button - Press to select from factory set picture values to match the type of programming your watching. Choose from: Personal, Movies, Sports, Weak Signal, or Multimedia. See the Smart Picture section of the TV in this manual.

DVD MENU button - Press to access the built-in menu options stored on the DVD disc you are viewing.

TV/DVD button - Press to toggle between the TV and DVD operational modes.

PLAY button - Press to begin the playback of a disc.

STOP button - Press to stop the playback of a disc. Use to gain access to a locked disc if you have forgotten you PIN (press four times, then enter new PIN).



OPERATING THE DVD PLAYER - MENU BAR OPERATION

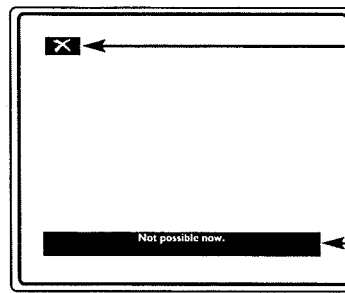
GENERAL EXPLANATION

This manual gives the basic instructions for operating this DVD Player. Some DVD (discs) require specific operation or allow only limited operation during playback. In these cases, the player may not respond to all operating commands. When this occurs, please refer to the instructions contained with the DVD (disc). When the symbol **X** appears on the TV screen, the operation is not permitted by the player or the disc.

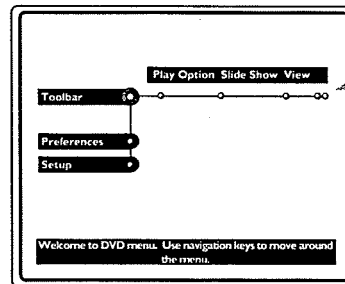
Unless otherwise stated, all operations can be performed by using the remote control.

MENU BAR OPERATION

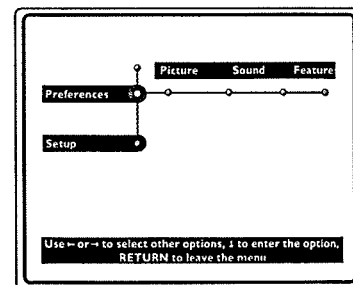
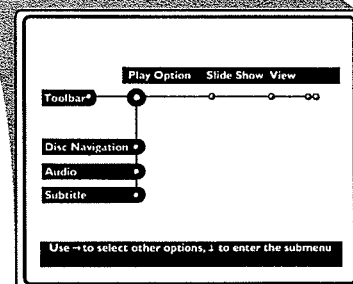
- 1 Press the **SYSTEM MENU (OSD)** button to display the DVD Player's on-screen menu.
- 2 Press the **CURSOR RIGHT** button to highlight and select **TOOL BAR** options: **Play Option**, **Slide Show**, **View**, **Search**, or **Program**.
OR, press the the **CURSOR DOWN** to highlight and select either **Preference** or **Setup** options.
- 3 Once you have chosen a specific **TOOL BAR** option, press the **CURSOR DOWN** button to highlight or select it's sub-option control. (See the Onscreen Menu Options outline at the bottom of this page.)
- 4 Repeatedly pressing the **SYSTEM MENU (OSD)** button while the on-screen menu is displayed will remove the menu from the TV screen.



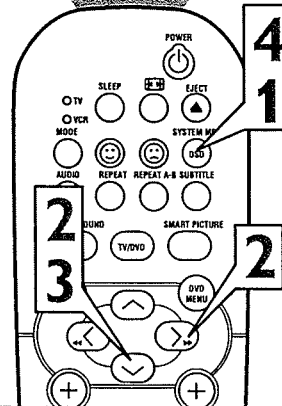
When the "X" icon appears on the TV screen, it means the function cannot be performed or is not an available option for that disc.



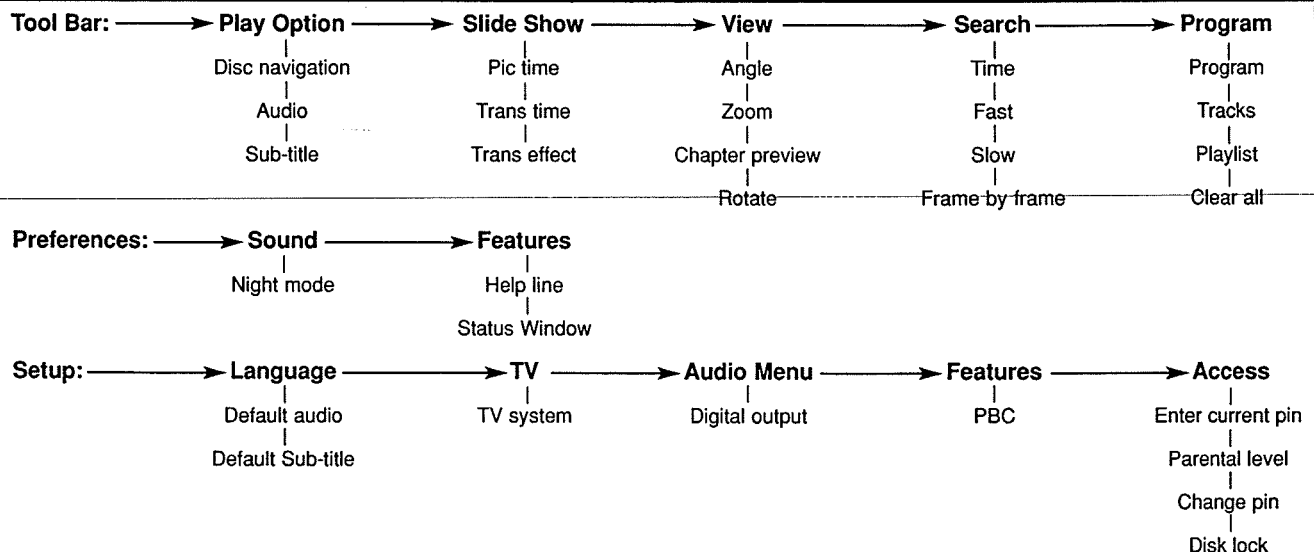
If the **HELP LINE** feature is set to **ON**, information about the status window can be displayed to help understand the best action to take. With the **HELP LINE** feature set to **OFF**, the text box at the bottom of the screen will not be displayed. Please refer to the Preference Options section of the manual for more details.



Sample of onscreen menus.



Onscreen Menu Options (Outline)

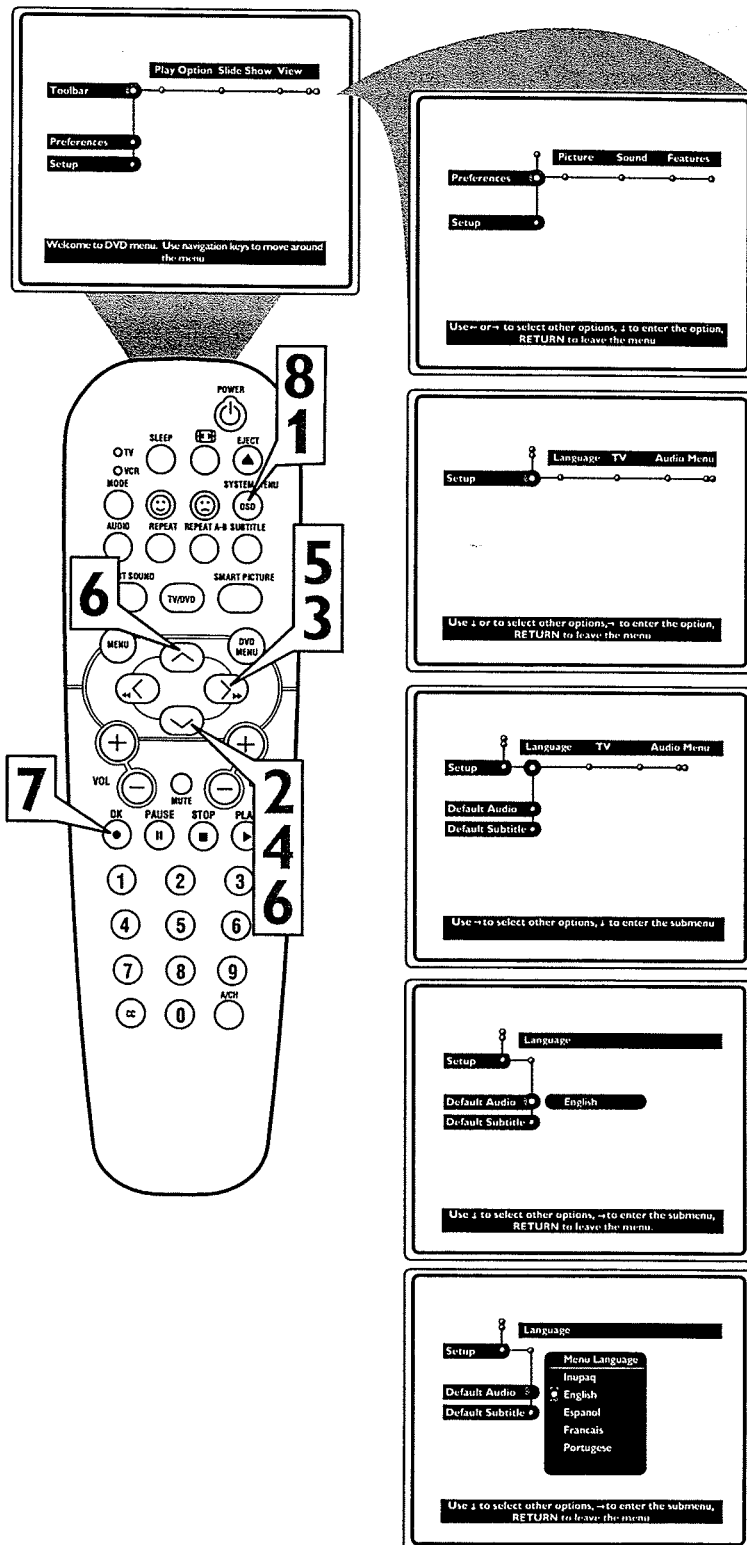




LANGUAGE: DEFAULT AUDIO, DEFAULT SUB-TITLE

You can select different languages so the DVD Player will automatically display its Onscreen Menu and DVD Disc Menus in the language you of your choice. The Default Audio and Sub-title can also be changed to a desired language. To change the Default Audio Language or Default Sub-title Language, follow the steps below.

- 1** Stop playback if a disc is playing in the player. Press the **SYSTEM MENU (OSD)** button on the remote control to display the on-screen menu.
- 2** Press the **CURSOR DOWN** button until the word **Setup** is highlighted.
- 3** Press the **CURSOR RIGHT** button to move the puck to the right highlighting the work **Language**.
- 4** Press the **CURSOR DOWN** button to highlight either the **Default Audio**, or **Default Sub-Title** control.
- 5** Press the **CURSOR RIGHT** button to gain access to the highlighted control's options.
- 6** Press the **CURSOR UP** or **DOWN** buttons to scroll the list of available languages. Choose from: **English, Español, Français, Português, Italiano, Russian, Deutsch, Greek, Japanese, Korean, Chinese, Quechua, Guaraní, Aymará, or Inuplaq.**
- 7** Press the **OK** button to select or activate the chosen option.
- 8** Press the **SYSTEM MENU (OSD)** button to clear the on-screen menu from the TV screen.





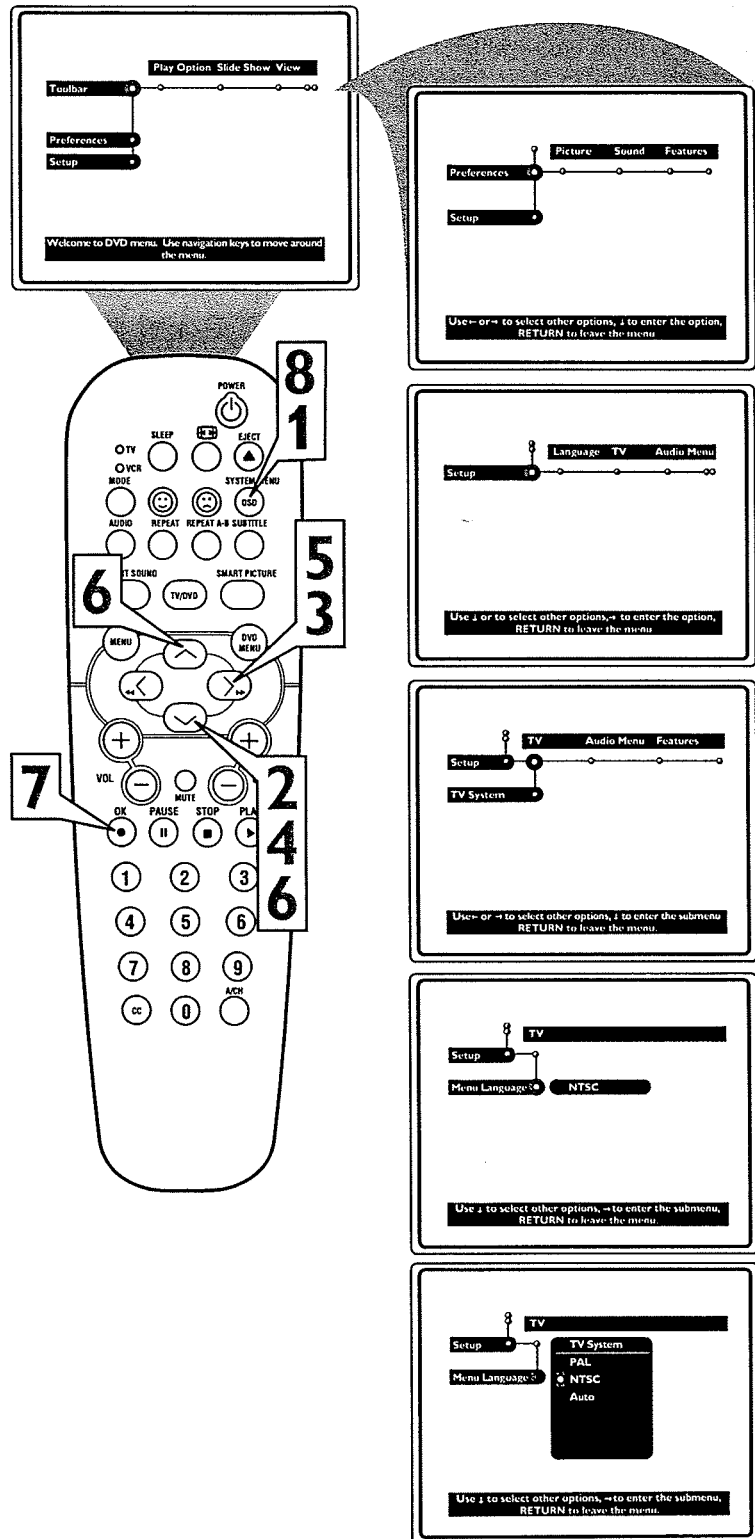
OPERATING THE DVD PLAYER - SETUP MENU

TV: TV SYSTEM

The DVD Player included in this television is compatible with NTSC and PAL. For the DVD Player to playback a disc correctly, the color system of the CD, the TV and the DVD Player should match.

- 1** Stop playback if a disc is playing in the player. Press the **SYSTEM MENU (OSD)** button on the remote control to display the on-screen menu.
- 2** Press the **CURSOR DOWN** button until the word **Setup** is highlighted.
- 3** Press the **CURSOR RIGHT** button to move the puck to the right highlighting the word **TV**.
- 4** Press the **CURSOR DOWN** button to highlight the **TV System** control.
- 5** Press the **CURSOR RIGHT** button to gain access to the highlighted control's options.
- 6** Press the **CURSOR UP** or **DOWN** buttons to scroll the list of available languages. Choose from: **PAL**, **NTSC** or **AUTO**.
PAL: Select this option if the connected to a PAL system. It will change the video signal of a NTSC disc and output in PAL format.
NTSC: Select this option if connected to a NTSC system. It will change the video signal of a PAL disc (VCD only) and output in NTSC format.
Auto: Select this if compatible with both NTSC and PAL (multi-system). The output will determined by the video signal of the disc.
- 7** Press the **OK** button to select or activate the chosen option.
- 8** Press the **SYSTEM MENU (OSD)** button to clear the on-screen menu from the TV screen.

Note: It is possible that slight picture distortion may occur due to the video conversions. This is normal and does not require a service call.



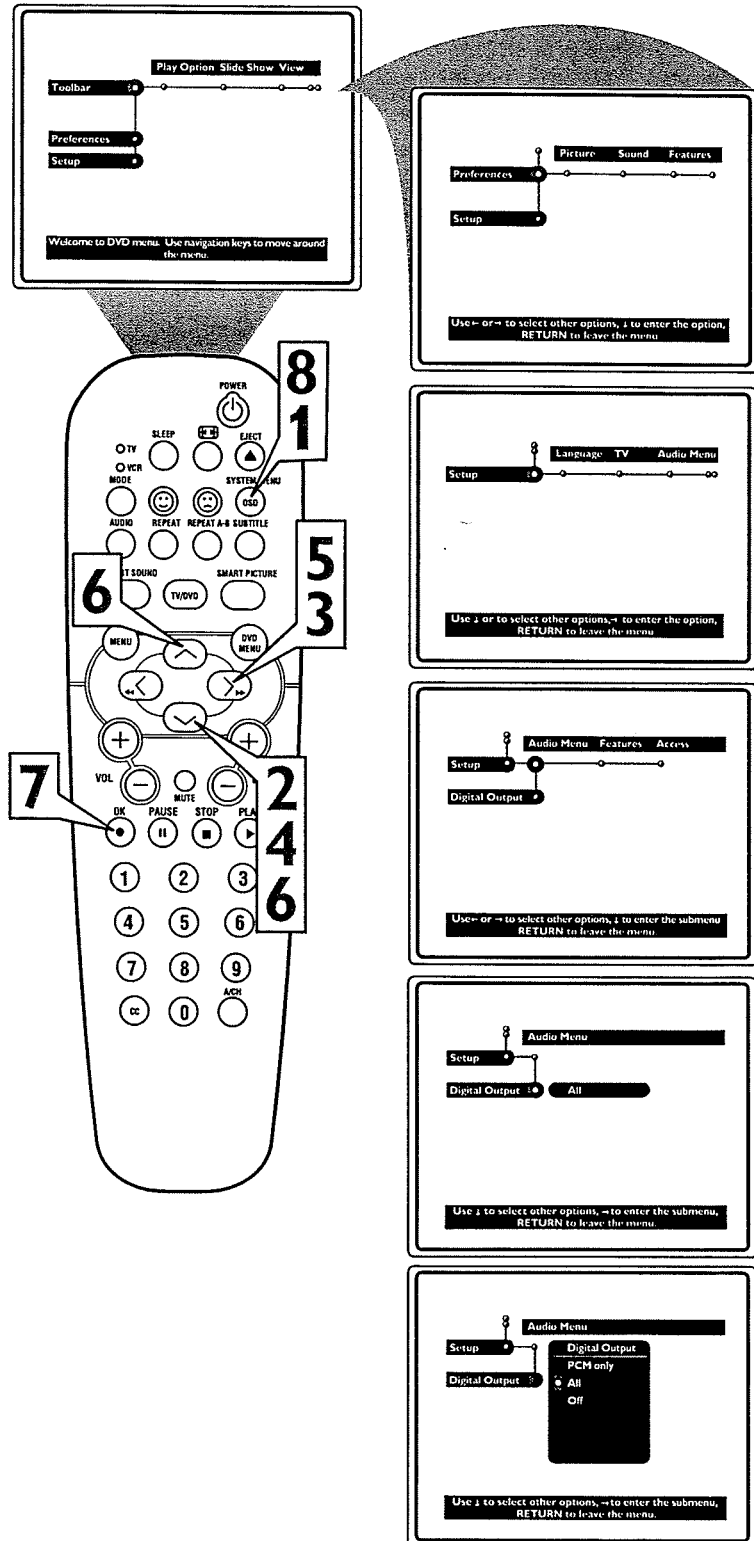
OPERATING THE DVD PLAYER - SETUP MENU



AUDIO MENU: DIGITAL OUTPUT

If an external audio system is being used with your DVD Player, the Digital Output control may need to be set to match the output of the system.

- 1 Stop playback if a disc is playing in the player. Press the **SYSTEM MENU (OSD)** button on the remote control to display the on-screen menu.
- 2 Press the **CURSOR DOWN** button until the word **Setup** is highlighted.
- 3 Press the **CURSOR RIGHT** button to move the puck to the right highlighting the words **Audio Menu**.
- 4 Press the **CURSOR DOWN** button to highlight the **Digital Output** control.
- 5 Press the **CURSOR RIGHT** button to gain access to the highlighted control's options.
- 6 Press the **CURSOR UP** or **DOWN** buttons to scroll the list of available languages. Choose from: **PCM Only**, **All**, or **Off**.
PCM Only: Select this option if your receiver is not capable of decoding Multi-channel audio.
All: Select this option if connected to a multi-channel decoder or receiver.
Off: Select this option to deactivate the Digital Output control.
- 7 Press the **OK** button to select or activate the chosen option.
- 8 Press the **SYSTEM MENU (OSD)** button to clear the on-screen menu from the TV screen.



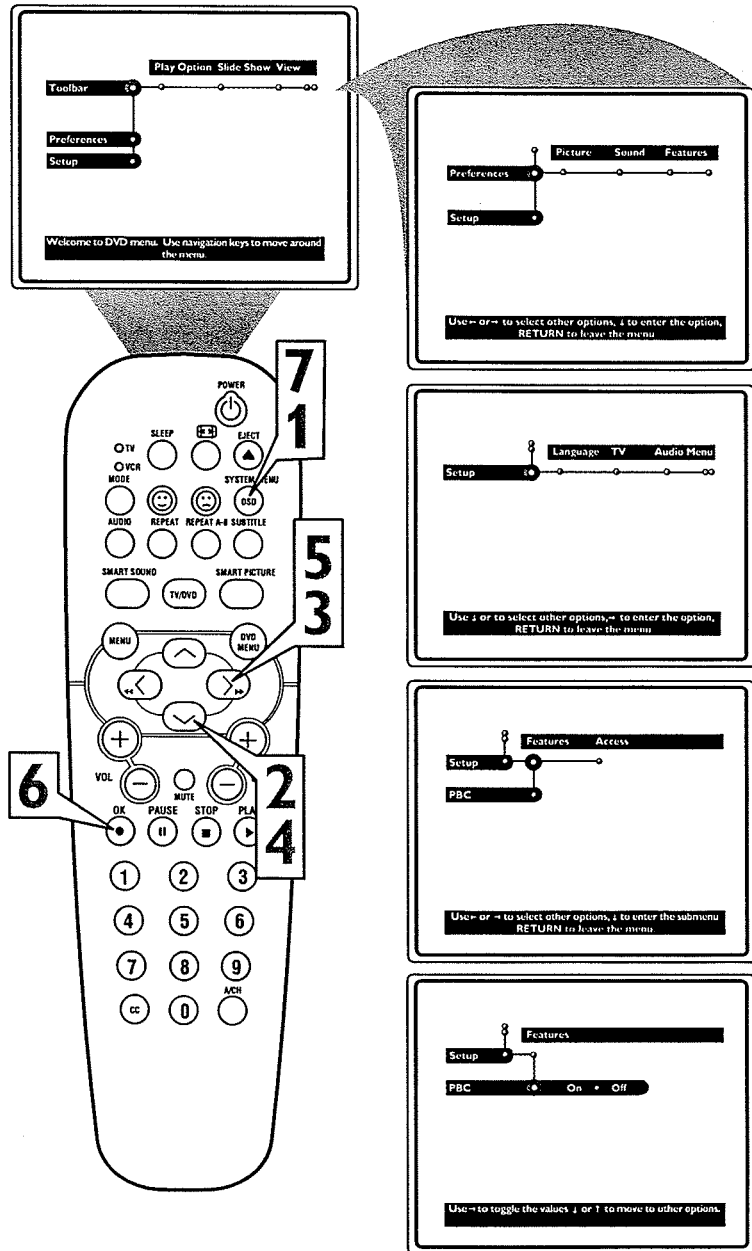


OPERATING THE DVD PLAYER - SETUP MENU

FEATURES: PBC (PLAYBACK CONTROL)

Some Video CDs contain information that allow you to control the playback of the disc through a special playback menu. the PBC (Play Back Control) can be set to On or Off.

- 1** Press the **SYSTEM MENU (OSD)** button on the remote control to display the on-screen menu.
- 2** Press the **CURSOR DOWN** button until the word **Setup** is highlighted.
- 3** Press the **CURSOR RIGHT** button to move the puck to the right highlighting the word **Features**.
- 4** Press the **CURSOR DOWN** button to highlight the **PBC** control.
- 5** Press the **CURSOR RIGHT** button to select **On** or **Off**.
- 6** Press the **OK** button to select or activate the chosen option.
- 7** Press the **SYSTEM MENU (OSD)** button to clear the on-screen menu from the TV screen.



OPERATING THE DVD PLAYER - SETUP MENU



ACCESS: PARENTAL LEVEL, CHANGE PIN, DISC LOCK

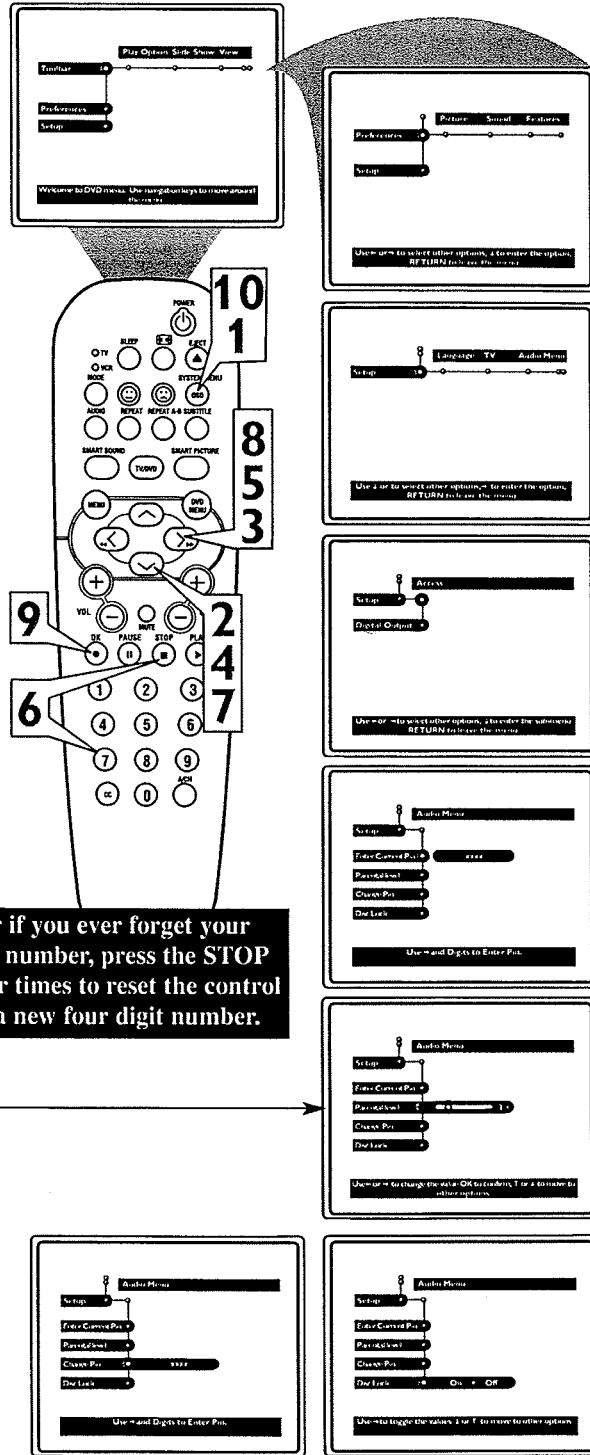
When using and making changes within the Access Control options an access PIN will have to be entered before any new settings can be made. Other controls include Parental Level, Change PIN, and Disc Lock.

- 1** Press the **SYSTEM MENU (OSD)** button on the remote control to display the on-screen menu.
- 2** Press the **CURSOR DOWN** button until the word **Setup** is highlighted.
- 3** Press the **CURSOR RIGHT** button to move the puck to the right highlighting the word **Access**.
- 4** Press the **CURSOR DOWN** button to highlight the **Enter Current PIN** control.
- 5** Press the **CURSOR RIGHT** button to gain access to the PIN entry screen.
- 6** If first time use, enter a 4-digit PIN using the **NUMBERED** buttons. If you have forgotten your PIN, press the **STOP** button 4 times, then enter a four digit PIN using the **NUMBERED** buttons. (You will be asked to confirm the new number.)
- 7** Press the **CURSOR DOWN** button to scroll the available access controls. Choose from: **Parental Level, Change PIN, or Disc Lock**.
- 8** Once an option is selected, press the **CURSOR RIGHT** button to gain access to the highlighted control's options.

Parental Level: Press the **CURSOR RIGHT** or **LEFT** to select a level of security from 0-8 (see information below).

Change PIN: Select this option to create a new 4 digit PIN access number. Follow onscreen instructions.

Disc Lock: Press the **CURSOR RIGHT** to toggle the control On or Off to block view of certain discs.
- 9** Press the **OK** button to select or activate the chosen option.
- 10** Press the **SYSTEM MENU (OSD)** button to clear the on-screen menu from the TV screen.



Remember if you ever forget your Access Pin number, press the STOP button four times to reset the control and enter a new four digit number.

Parental Level: (Ratings 1 to 8): If you set a rating for the player, all scenes with the same rating or lower will be played. Higher rated scenes will not be played unless an alternative is available on the disc. The alternative must have the same rating or a lower one. If no suitable alternative is found, playback will stop and the 4-digit code has to be entered.

Parental Level Disclaimer: This DVD player features the Parental Level system which is intended to activate when playing DVD discs furnished with certain software coding. This is according to technical standards adopted by the set maker and disc content industries. Please note that the Parental Level system will not operate a DVD disc which is not furnished with the appropriate software coding. Also note that at the time of release of this TV/DVD Player, certain aspects of the technical standards had not been settled between the set maker and the disc industries. On this basis Philips Consumer Electronics cannot guarantee functioning of the Parental Level system and denies any liability with unintended watching of disc content. If in doubt, please make sure the disc plays according to your Parental Level settings before you allow children access.

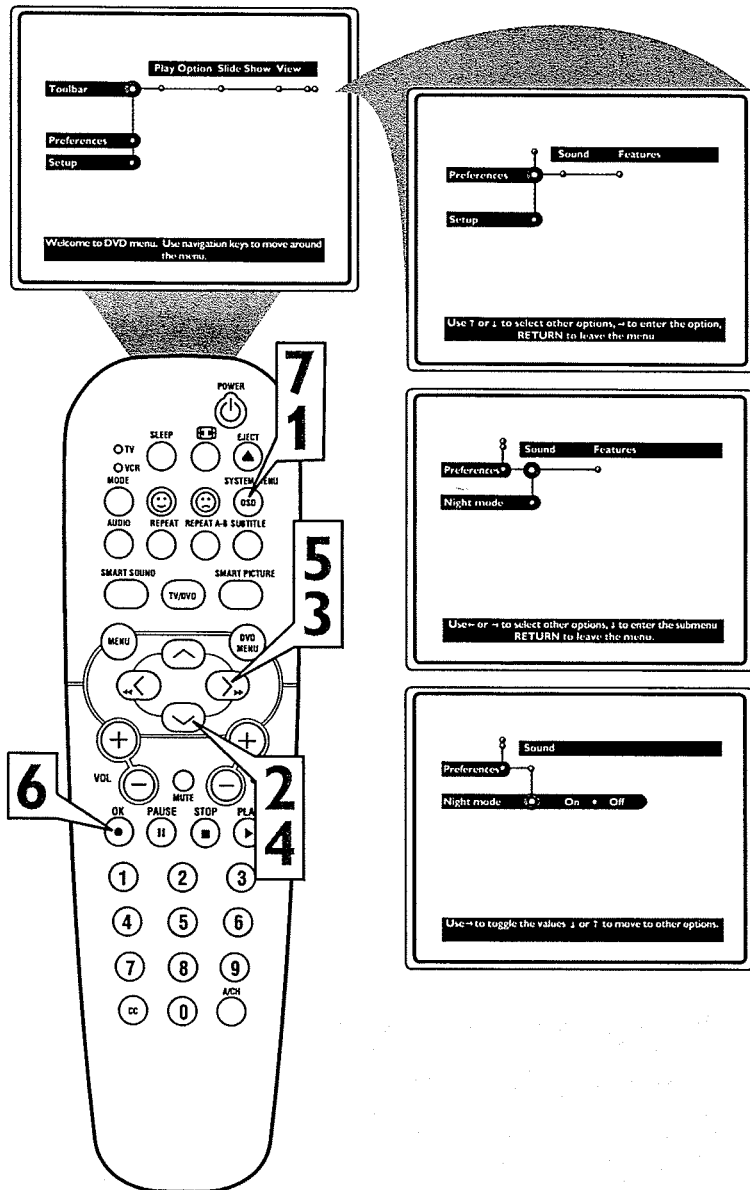


OPERATING THE DVD PLAYER - PREFERENCE MENU

SOUND: NIGHT MODE

The Sound option within the Preference Menu contains a control called Night Mode. The Night Mode control when On will optimize the dynamics of the Player's sound output. High Volume sound are softened, enabling you to watch your favorite action movies without disturbing others at night. When the Night Mode control is set to Off, the sound output will be heard in its full dynamic range.

- 1** Press the **SYSTEM MENU (OSD)** button on the remote control to display the on-screen menu.
- 2** Press the **CURSOR DOWN** button until the word **Preferences** is highlighted.
- 3** Press the **CURSOR RIGHT** button to move the puck to the right highlighting the word **Sound**.
- 4** Press the **CURSOR DOWN** button to highlight the **Night Mode** control.
- 5** Press the **CURSOR RIGHT** button to toggle the Night Mode control **On** or **Off**.
On: This setting will soften the dynamics of the sound output.
Off: when the Night Mode control is set to Off, the disc will be heard in its full dynamic sound output.
- 6** Press the **OK** button to select or activate the chosen option.
- 7** Press the **SYSTEM MENU (OSD)** button to clear the on-screen menu from the TV screen.

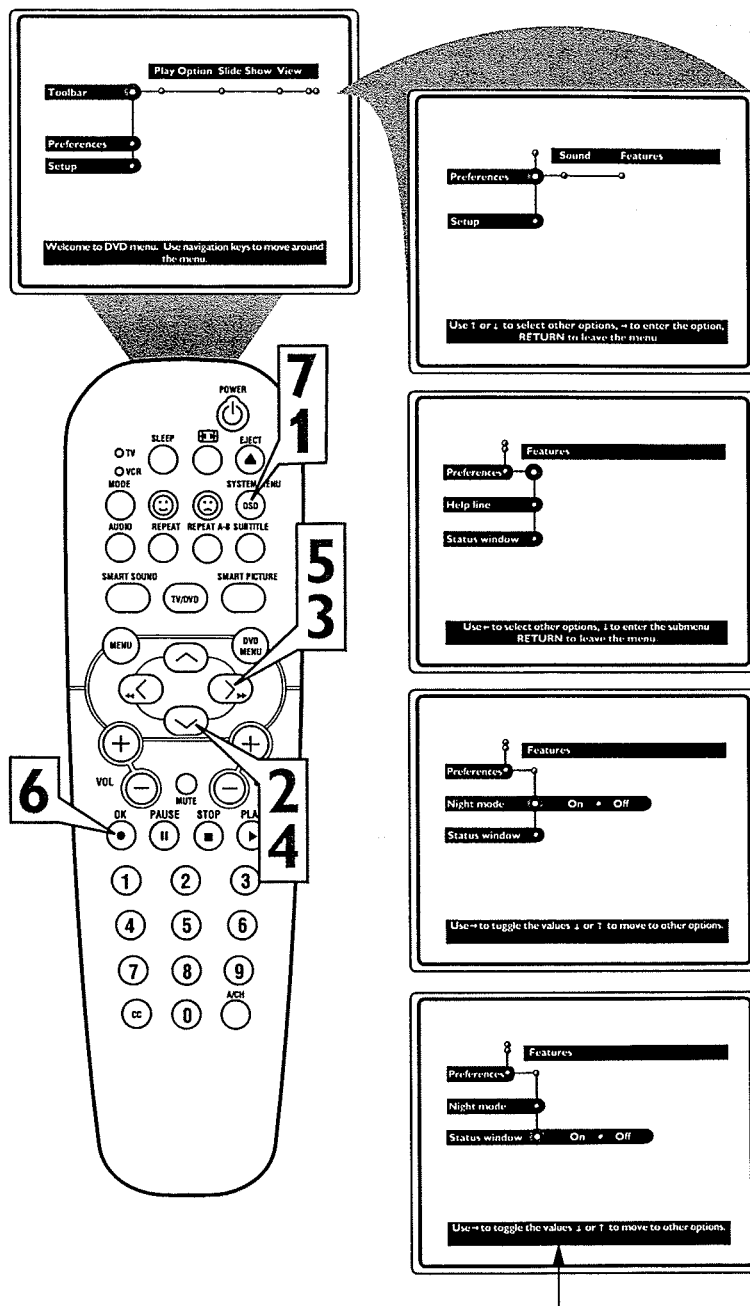




FEATURES: HELP LINE, STATUS WINDOW

The DVD Player has two special controls that can be turned on to help navigate the menu with helpful suggestions (Help Line) and the show the current play state and time information (Status Window) on the screen during a disc playback.

- 1** Press the **SYSTEM MENU (OSD)** button on the remote control to display the on-screen menu.
- 2** Press the **CURSOR DOWN** button until the word **Preferences** is highlighted.
- 3** Press the **CURSOR RIGHT** button to move the puck to the right highlighting the word **Features**.
- 4** Press the **CURSOR DOWN** button to highlight either the **Help Line** or **Status Window** control.
- 5** Press the **CURSOR RIGHT** button to toggle the selected control **On** or **Off**.
Help Line:
ON: Will display a small window at the bottom of the screen with suggestions to help navigate the onscreen menu.
OFF: The Help Line will not appear when the onscreen menu is displayed on screen.
Status Window:
ON: Will display current disc status and time.
OFF: The Status Window will not appear on screen.
- 6** Press the **OK** button to select or activate the chosen option.
- 7** Press the **SYSTEM MENU (OSD)** button to clear the on-screen menu from the TV screen.



Help Line will give suggestions regarding the navigation of the onscreen menu.

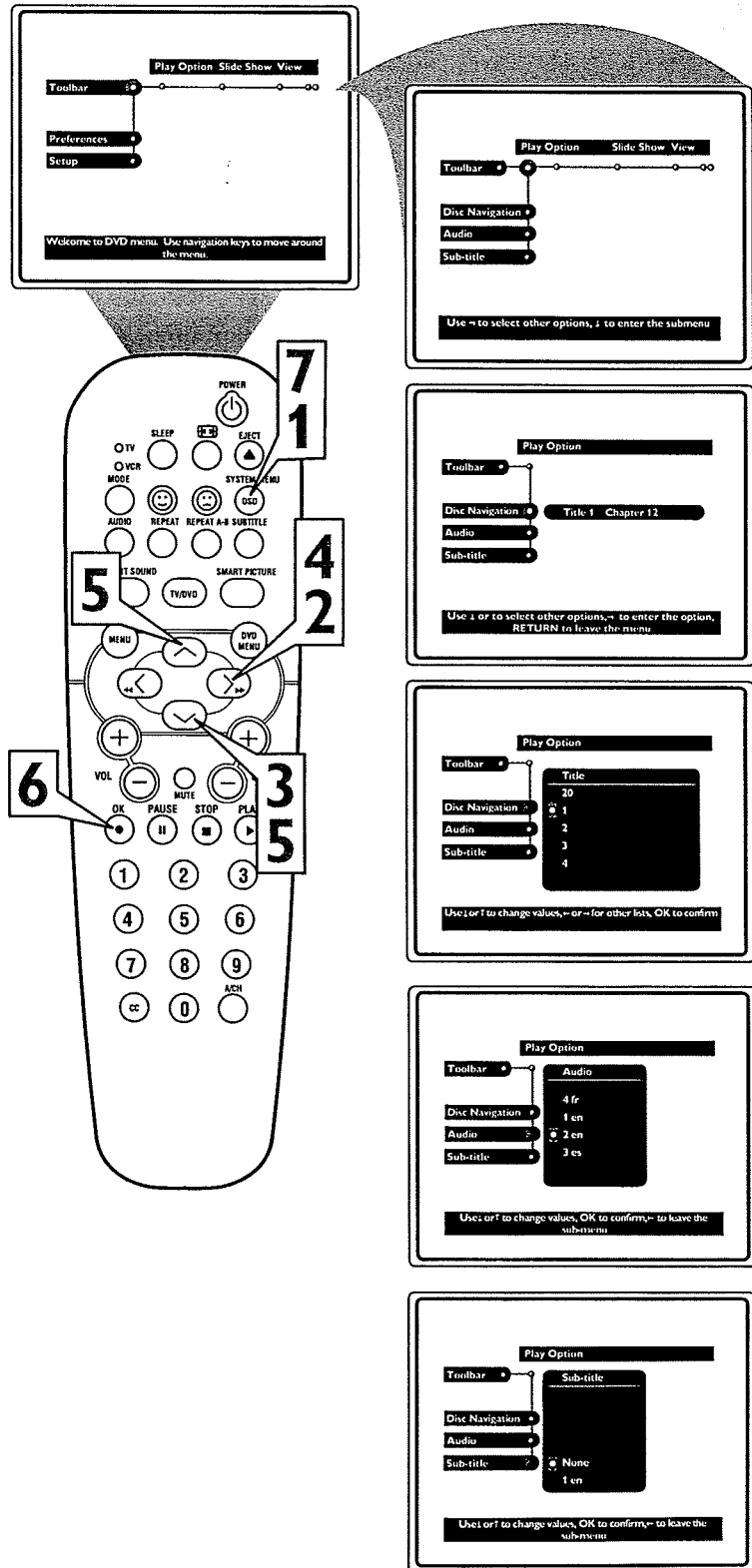


OPERATING THE DVD PLAYER - TOOLBAR MENU

PLAY OPTION: DISC NAVIGATION, AUDIO, SUB-TITLE

The Play Option area of the DVD Player onscreen menu contains three control that allow you to navigate the disc by titles and chapters, set the audio language, and set the sub-title language.

- 1** Press the **SYSTEM MENU (OSD)** button on the remote control to display the on-screen menu. the Toolbar option will be highlighted.
- 2** Press the **CURSOR RIGHT** button until the words **Play Option** are highlighted.
- 3** Press the **CURSOR DOWN** button to highlight the **Disc Navigation, Audio, or Sub-title** control.
- 4** Press the **CURSOR RIGHT** button to gain access to the highlighted control's options.
Disc Navigation: Search the disc by title and chapter.
Audio: Use to set the audio language from a list of available choices.
Sub-title: Use to set the sub-title language from a list of available choices.
- 5** Press the **CURSOR UP** or **DOWN** buttons to scroll and highlight the available menu options.
- 6** Press the **OK** button to select or activate the chosen option.
- 7** Press the **SYSTEM MENU (OSD)** button to clear the on-screen menu from the TV screen.





SLIDE SHOW: PIC TIME, TRANS TIME, TRANS EFFECT

The DVD Player has the capability to view photo CDs that contain digital photos (JPEG only) on the TV screen. The Slide Show controls of the Tool Bar menu allows you to control the viewing process.

- 1 With the TV/DVD in the DVD mode press the EJECT button to open the disc tray.
 - 2 Place a Photo CD (JPEG only) into the disc tray and press the EJECT button to close the disc tray.
- If available on the disc you will see Thumbnail Images tiled across the screen.
- 3 Press the CURSOR RIGHT, LEFT, UP or DOWN buttons to scroll through the available pictures.
 - 4 Press the OK button after highlighting a Thumbnail to view the picture full screen.

Other Slide Show options (Pic Time, Trans Time, and Trans Effect):

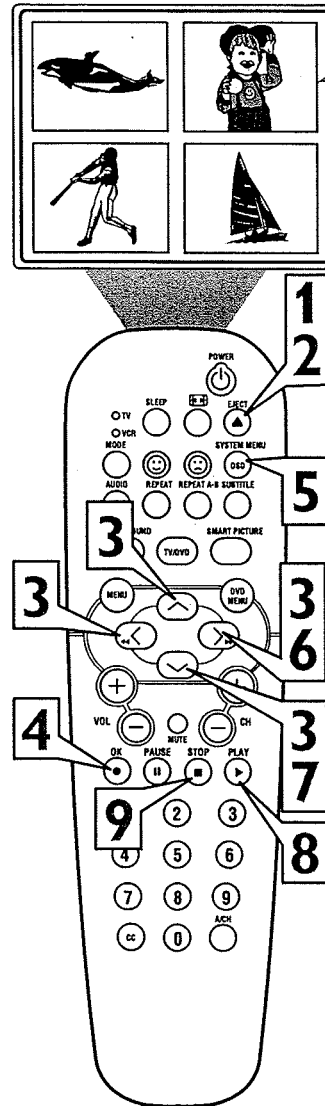
- 5 Press the SYSTEM MENU OSD button to display the onscreen menu. Toolbar will be highlighted.
- 6 Press the CURSOR RIGHT button until the words Slide Show are highlighted.
- 7 Press the CURSOR DOWN button to highlight one of the available control options.

Pic Time: Will control the length of time the picture is displayed. With Pic Time highlighted, press the Cursor Right button to enter the sub-menu categories. Choose from Slow, Medium or Fast.

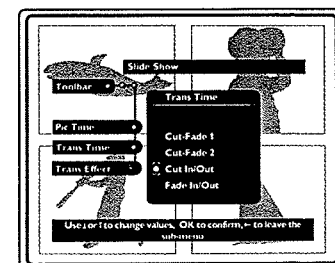
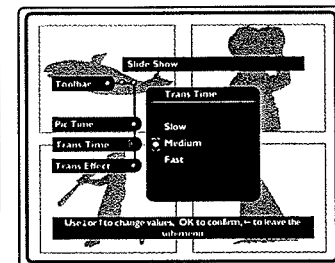
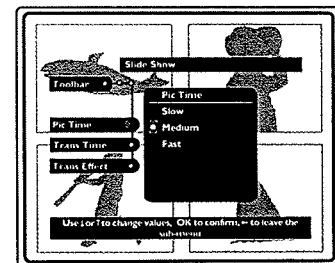
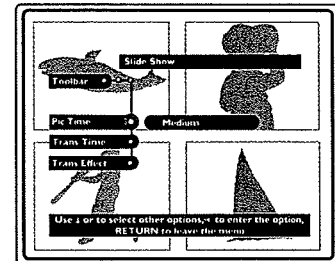
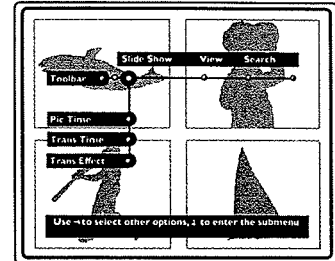
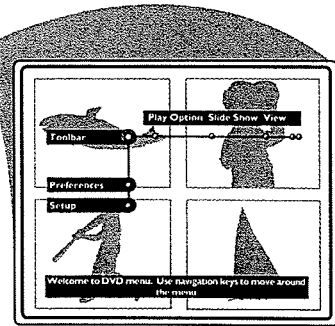
Trans Time: Will control the length of time between picture display. Press the Cursor Right button to enter the sub-menu categories. Choose from Slow, Medium or Fast.

Trans Effect: Will allow you to change the transition effect between pictures. Press the Cursor Right button to enter the sub-menu categories. Choose from Cut-Fade 1, Cut-Fade 2, Cut In/Out or Fade In/Out.

- 8 Press the PLAY button to start the Slide Show.
- 9 Press the STOP button to end the Slide Show.



Note: With the thumbnails from a photo CD displayed on the screen, highlighting one and pressing the OK button will allow you to view the picture full screen. If viewing a Slide Show, pressing the Stop button will stop the show. Press the Play button again to continue the Slide show.



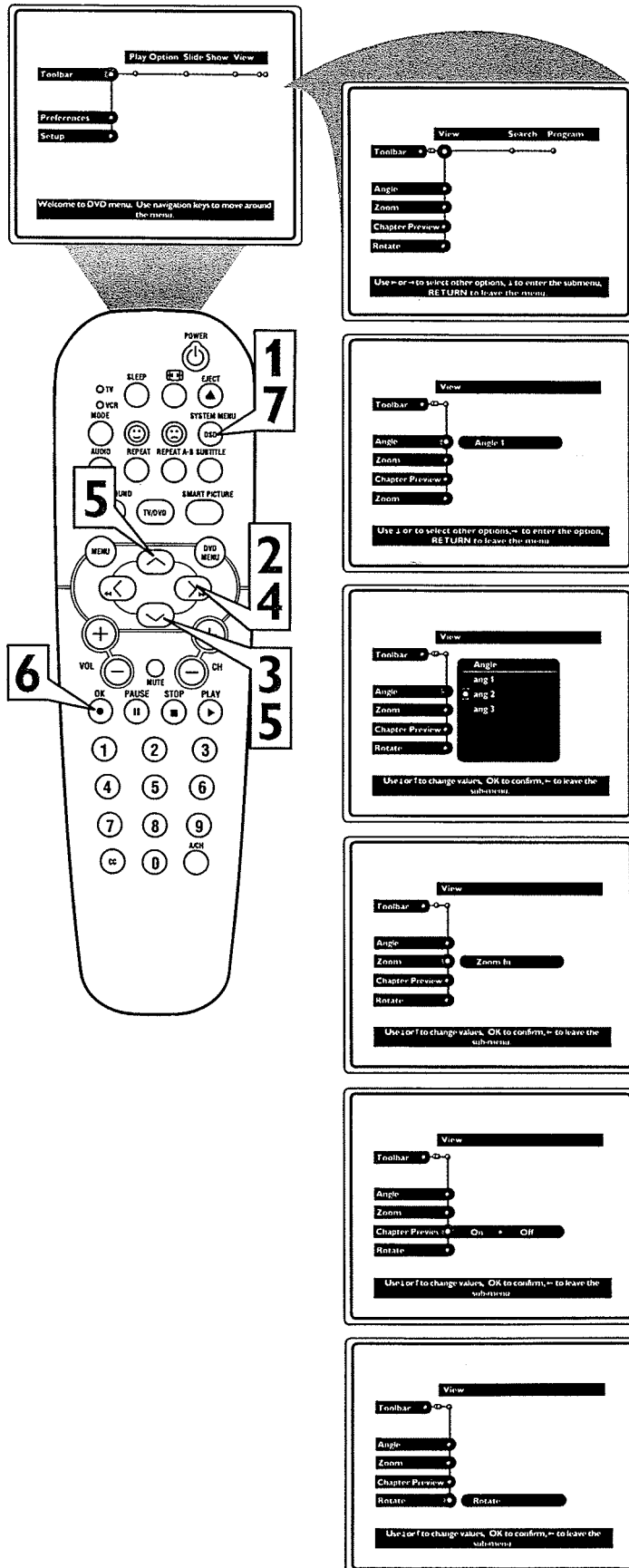


OPERATING THE DVD PLAYER - TOOLBAR MENU

VIEW: ANGLE, ZOOM, CHAPTER REVIEW, ROTATE

Some Discs contain additional information that will allow the viewer to change the camera angles, zoom the picture, rotate the picture, and scan chapters with chapter preview.

- 1** Press the **SYSTEM MENU (OSD)** button on the remote control to display the on-screen menu. the Toolbar option will be highlighted.
- 2** Press the **CURSOR RIGHT** button until the word **View** is highlighted.
- 3** Press the **CURSOR DOWN** button to highlight either the **Angle**, **Zoom**, **Chapter Preview**, or **Rotate** control.
- 4** Press the **CURSOR RIGHT** button to gain access to the highlighted control's options.
 - Angle:** If additional camera angle exist on the disc, press the Cursor Right to access the sub-menus, then the Cursor Up or Down to select desired angle. new camera angle will appear on the screen.
 - Zoom:** Press the Cursor Right to activate, then use the Cursor buttons to select an area to zoom. Press the OK button repeatedly to zoom 2x, 4x, 8x, or to return to 1x picture size.
 - Chapter Preview:** Use turn Chapter Preview On or Off. When On disc will preview all available chapters.
 - Rotate:** If available on the disc, select rotate to turn the picture 90 degrees clockwise from the original. Great feature when viewing a photo CD.
- 5** Press the **CURSOR UP** or **DOWN** buttons to scroll and highlight the available menu options.
- 6** Press the **OK** button to select or activate the chosen option.
- 7** Press the **SYSTEM MENU (OSD)** button to clear the on-screen menu from the TV screen.

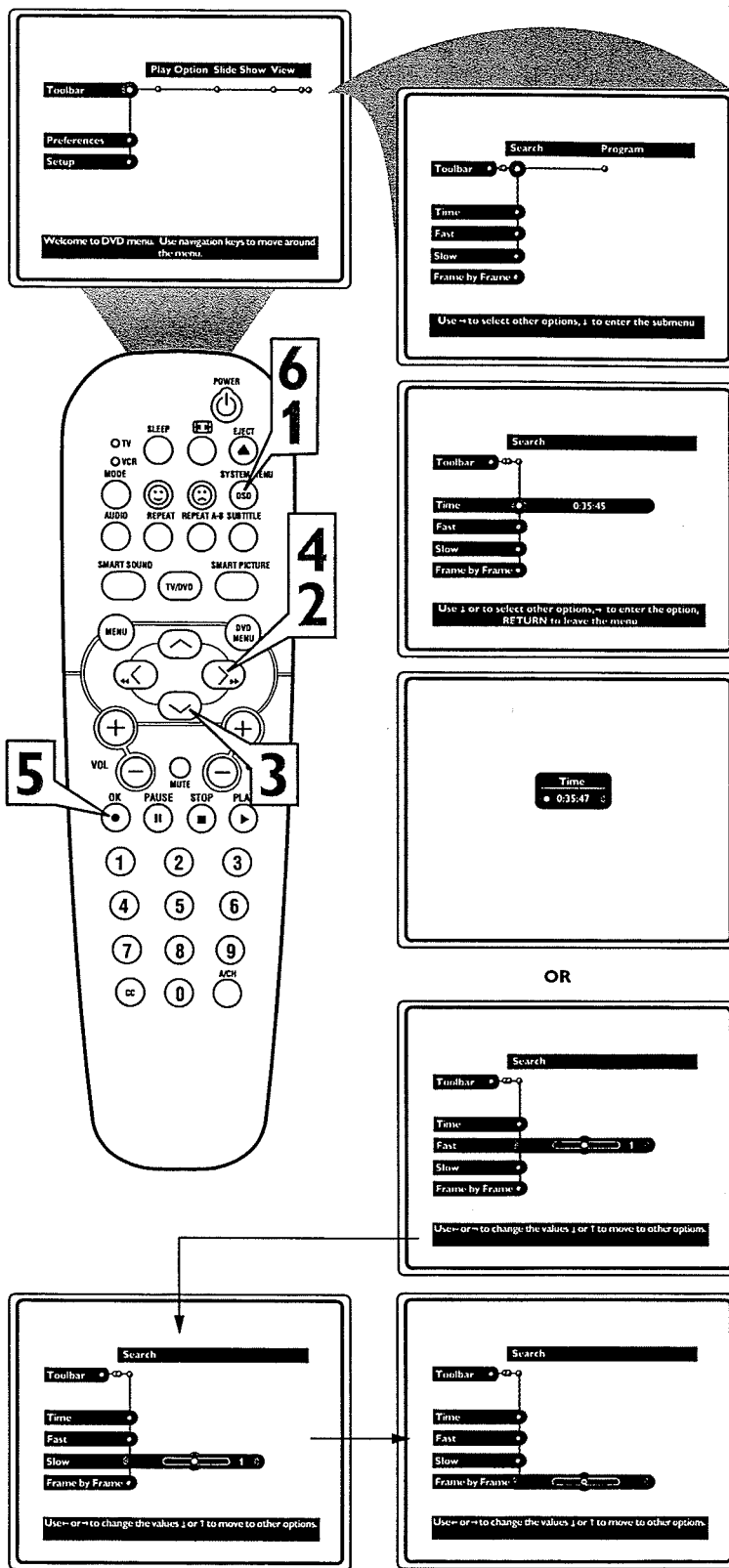




SEARCH: TIME, FAST, SLOW, FRAME BY FRAME

The Search control allows you to start the playback at any chosen time on the disc or to search for certain areas. The search options can be set fast, slow, or can be searched frame by frame.

- 1 Press the **SYSTEM MENU (OSD)** button on the remote control to display the on-screen menu. the Toolbar option will be highlighted.
- 2 Press the **CURSOR RIGHT** button until the word Search is highlighted.
- 3 Press the **CURSOR DOWN** button to highlight the Time, Fast, Slow, or Frame by Frame control.
- 4 Press the **CURSOR RIGHT** button to gain access to the highlighted control's options.
 - Time:** Search the disc by entering a desired time (based on playback time). Use the Numbered buttons to enter the time.
 - Fast:** Use the ◀◀ or ▶▶ buttons to scan the disc at +4, +8, or +32 times speed forward or -4, -8, or -32 times speed backward.
 - Slow:** Use the ◀◀ or ▶▶ buttons to scan the disc at +1/8, +1/4, +1/2 or +1 times speed forward or -1/8, -1/4, -1/2 or -1 times speed backward.
 - Frame by Frame:** Use the ◀◀ or ▶▶ buttons to search the disc one frame at a time forward or backward.
- 5 Press the **OK** button once you are done with the search process to return to the menu options.
- 6 Press the **SYSTEM MENU (OSD)** button to clear the on-screen menu from the TV screen.



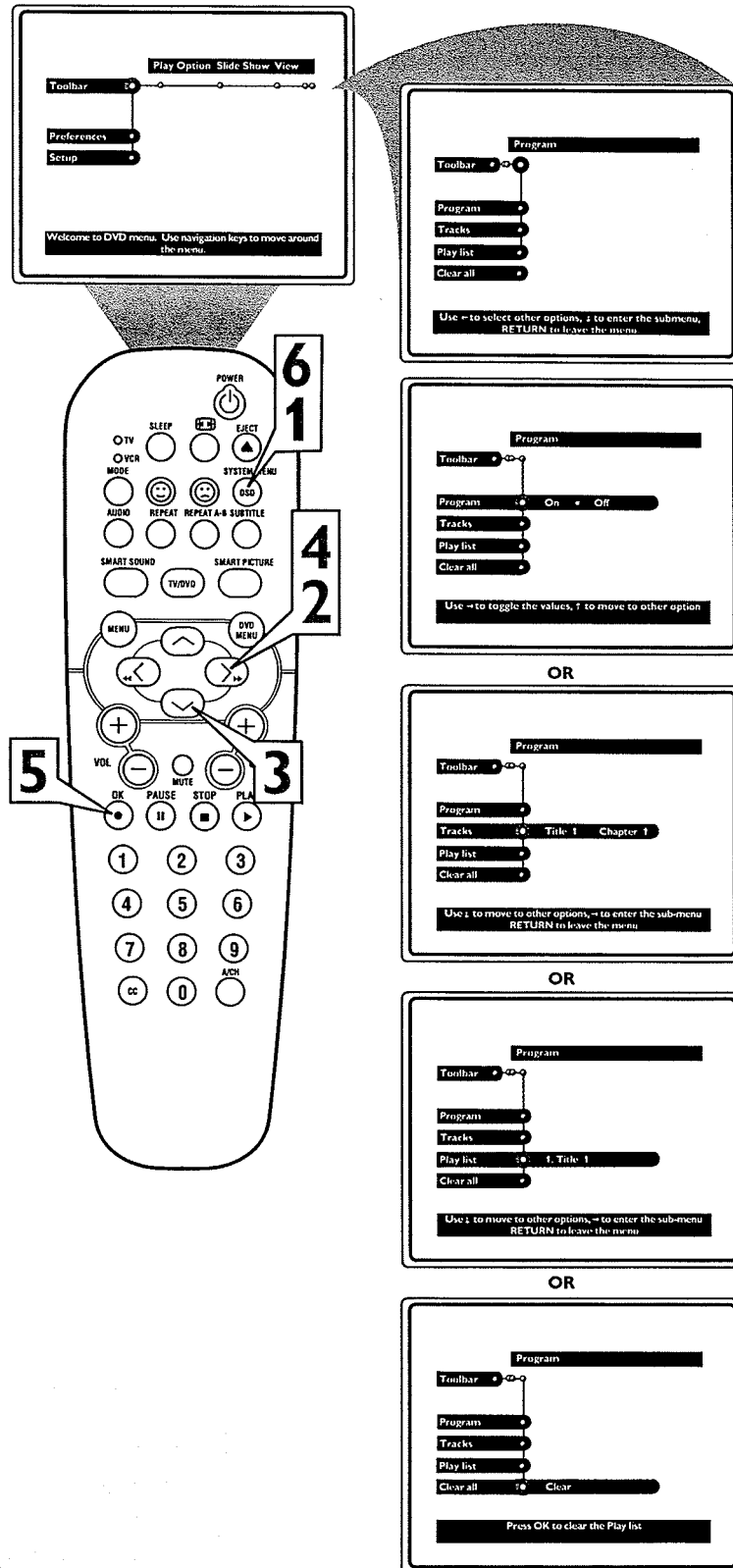


OPERATING THE DVD PLAYER - TOOLBAR MENU

PROGRAM: PROGRAM, TRACKS, PLAY LIST, CLEAR ALL

You can program your favorite tracks to be played in the order you want using the Program options within the Toolbar. Up to 20 tracks can be programmed at one time.

- 1** Press the **SYSTEM MENU (OSD)** button on the remote control to display the on-screen menu. the Toolbar option will be highlighted.
- 2** Press the **CURSOR RIGHT** button until the word Program is highlighted.
- 3** Press the **CURSOR DOWN** button to highlight either the Program, Tracks, Play list, or Clear all control.
- 4** Press the **CURSOR RIGHT** button to gain access to the highlighted control's options.
 - Program:** Once a Track or Chapter has been selected and added to the Play list, press the ► button to toggle the Program function On or Off.
 - Tracks:** Use the ► button to display a list of available Tracks, press the ► button again to display a list of available Chapters. With a track or chapter highlighted, press the OK button to add the selection to the Play list.
 - Play list:** Press the ► button to display the current Play list. Use the ▲ or ▼ buttons to scroll the play list and press OK to start the playback at that point.
 - Clear all:** With Clear all selected, press the ► button to select Cleared, erasing all programming.
- 5** Press the **OK** button once you are done with the programming process to return to the menu options.
- 6** Press the **SYSTEM MENU (OSD)** button to clear the on-screen menu from the TV screen.



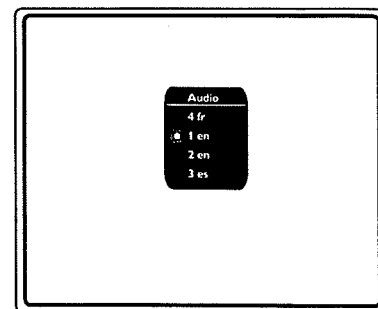
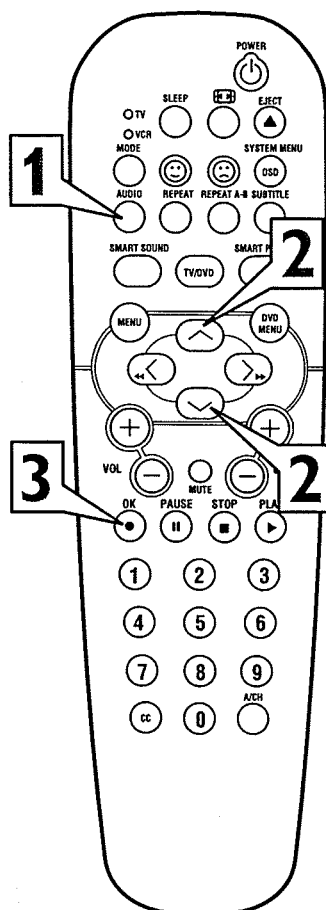


AUDIO BUTTON

Selecting an Audio Language is as easy as press one button.

To Select the desired Audio Language:

- 1 Press the red **AUDIO** button on the remote control to display the on-screen Audio menu.
- 2 Press the **▲** or **▼** button to scroll the available language options.
- 3 Press the **OK** button to confirm the selection and remove the menu bar from the TV screen.



Audio is heard in the selected language.



OPERATING THE DVD PLAYER - REMOTE FEATURES

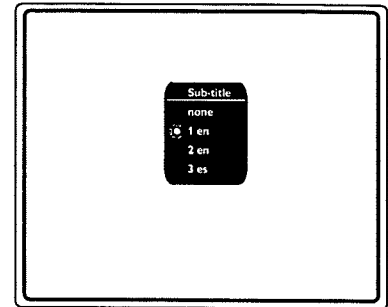
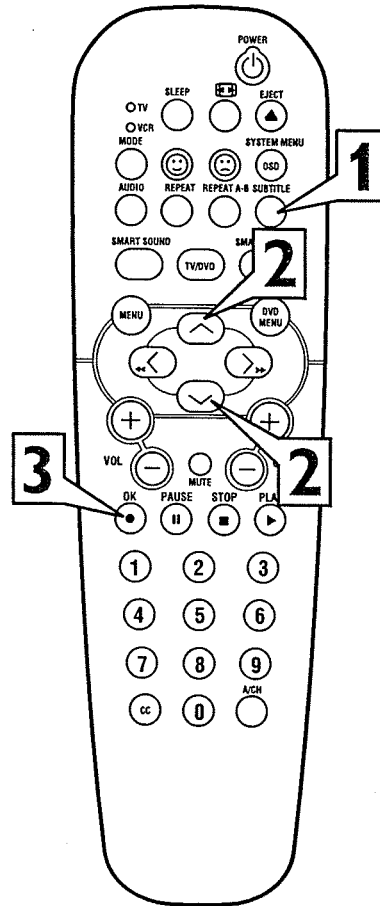
SUB-TITLE BUTTON

The Sub-title button will allow you to select the desired Sub-title language quickly or to turn the Sub-title option off.

To Select the desired Sub-title Language:

- 1** Press the blue Sub-title button on the remote control to display the on-screen Sub-title menu.
- 2** Press the ▲ or ▼ button to scroll the available sub-title language options or the option "none".
- 3** Press the OK button to confirm the selection and remove the menu bar from the TV screen.

When "none" is the selection, no sub-title will appear on the screen during the playback of a disc.



Sub-title will appear at the bottom of the screen in the selected language.

OPERATING THE DVD PLAYER - REMOTE FEATURES



REPEAT BUTTON

The Repeat button on the remote control will allow you to program the playback of Chapters, Tracks, Titles, or the entire Disc to be repeated.

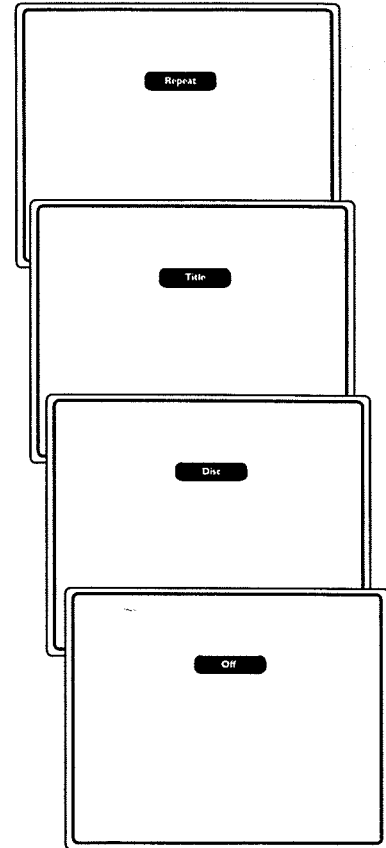
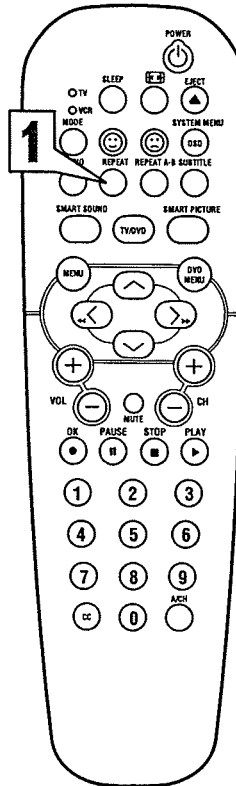
Press the green REPEAT button on the remote control repeatedly to choose one of the available repeat modes:

Repeat: Press the REPEAT button once, REPEAT will appear on the screen. This function will repeat the current CHAPTER being viewed. Press OK to confirm the selection.

Title: Press the REPEAT button twice, TITLE will appear on the screen. This function will allow you to repeat current TITLE being viewed. Press OK to confirm the selection.

Disc: Press the REPEAT button three times, DISC will appear on the screen. This function will repeat playback of the entire DISC content. Press OK to confirm the selection.

Off: Press the REPEAT button a fourth time, OFF will appear on the screen. Press OK to confirm the selection and turn the Repeat sequence off.



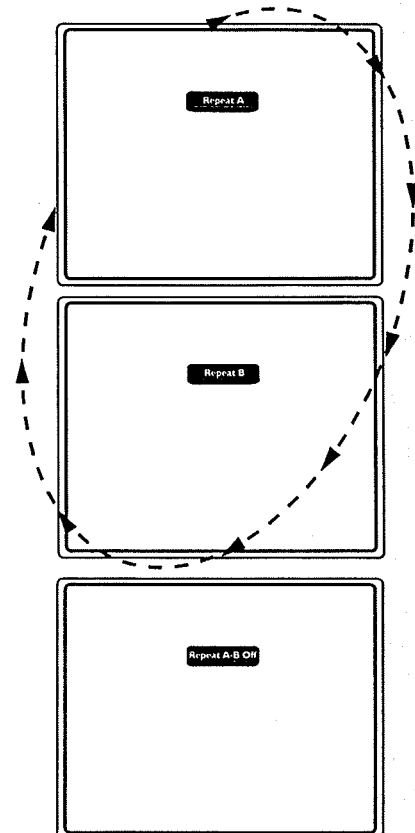
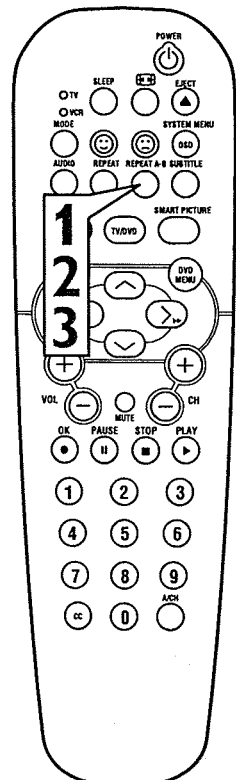
REPEAT A-B BUTTON

The Repeat A-B button on the remote control will allow you to program the playback of certain lengths of Titles or Tracks on the disc.

1 During the playback of a disc, press the yellow REPEAT A-B button on the remote control to select a starting point for the repeat playback to begin. Repeat A will briefly appear on the screen.

2 When the disc reaches the ending point of the desired playback you want to repeat, press the REPEAT A-B button again. Repeat B will briefly appear on the screen. The sequence of playback between the "A" part and the "B" part will repeat itself.

3 Press the REPEAT A-B button on the remote control a third time to turn the Repeat A-B sequence off. Repeat A-B OFF will appear briefly on the screen.





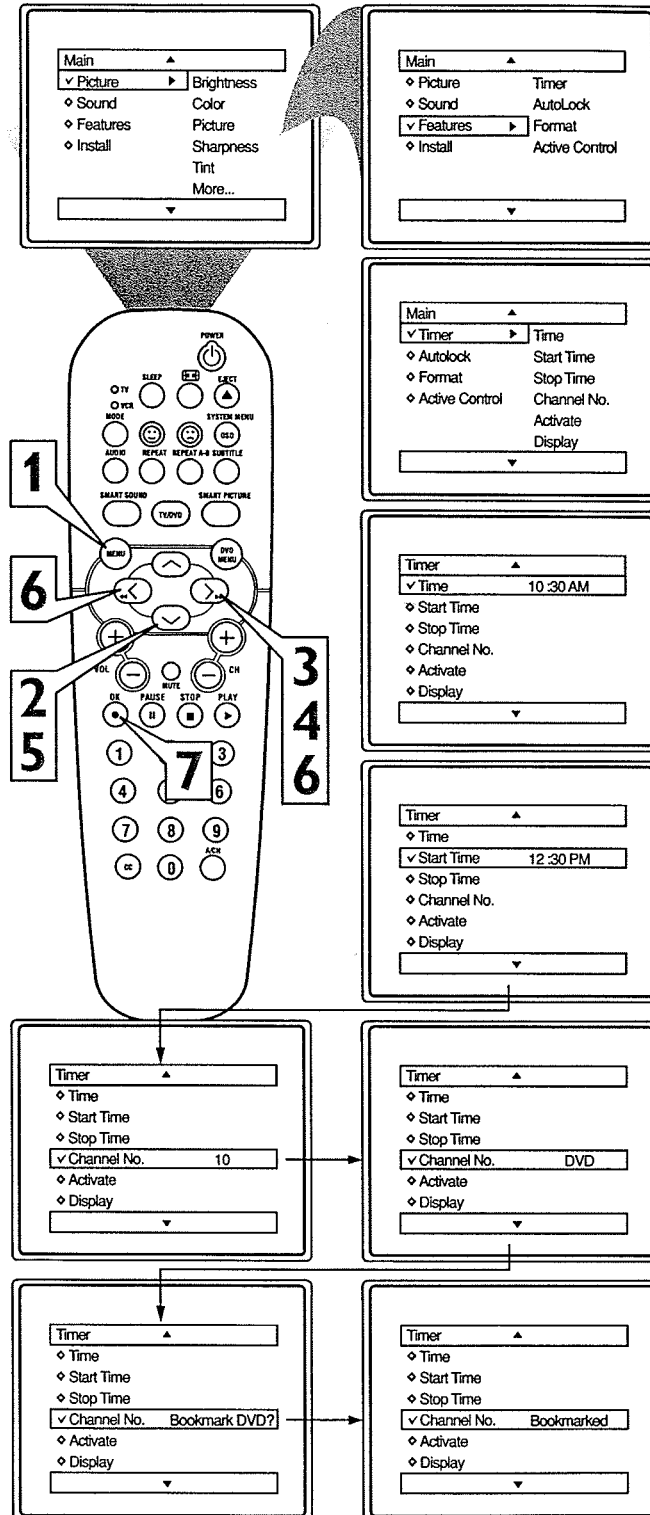
OPERATING THE DVD PLAYER - SPECIAL FEATURES

BOOKMARK DVD

The following steps describe how to Bookmark your DVDs when using the Timer Controls within the TV's onscreen menu.

Note: With an "on timer" sequence set (and active), the Timer Controls can tune the TV to the DVD mode when the TV powers itself on. If a DVD is playing and an "on timer" sequence is set (and active), the DVD can be Bookmarked so the Timer Controls will resume playback of the DVD when the TV powers itself on. For more information about specific Timer Control functions, please refer to page 13 of this manual.

- 1 Press the **MENU** button on the remote to display the TV's on-screen menu.
- 2 Press the **CURSOR DOWN** button until the word **FEATURES** is highlighted.
- 3 Press the **CURSOR RIGHT** button to display the **FEATURES** menu options. **TIMER** will be highlighted.
- 4 Press the **CURSOR RIGHT** button to shift the menu to the left and enter the **TIMER** control options.
- 5 Press the **CURSOR DOWN** button to select and highlight the word **CHANNEL**.
- 6 a.) If not playing a DVD press the **CURSOR LEFT** or **RIGHT** button to scroll the available channels until the word **DVD** appears.
b.) If playing a DVD press the **CURSOR LEFT** or **RIGHT** button to scroll the available channels until the words **BOOKMARK DVD?** appears.
- 7 Press the **OK** button to store the selection.
If DVD is selected and a Timer sequence active (refer to page 13), when the TV powers itself on, it will automatically tune to the DVD mode.
If **BOOKMARK DVD?** is selected, when the OK button is pressed the words will change to **BOOKMARKED**. With **BOOKMARK DVD?** selected and a Timer sequence active (refer to page 13), the playback of the DVD (in the position it was bookmarked) will resume when the TV powers itself on.
- 8 Refer to page 13 of this manual to set the specific **TIME**, **START TIME**, **STOP TIME**, and to **ACTIVATE** the "on timer" sequence Once, or Daily.



Turning the BOOKMARK DVD feature OFF.

To turn a **BOOKMARKED** DVD OFF, enter the menu as described to the left. Once Channel is highlighted, and "Bookmarked" appears, press the OK button to turn the Bookmark off. The text will change from "BOOKMARKED" to "BOOKMARK DVD?".

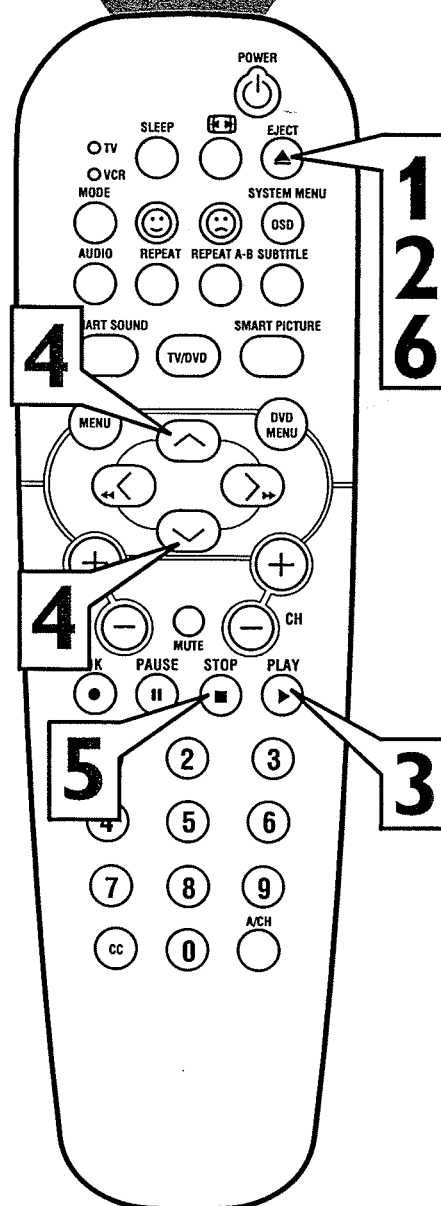
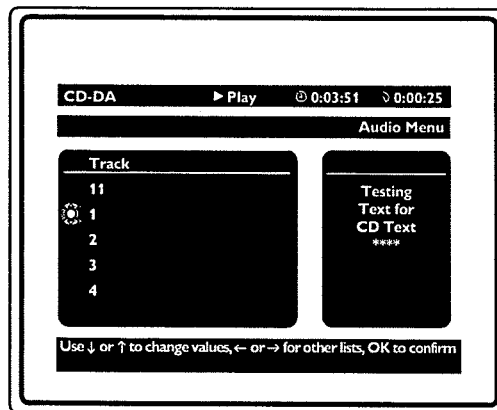


AUDIO CD PLAYBACK

The following steps describe how to change the Audio Language control.

- 1 Press the **EJECT** button on the remote control to open the disc tray and place the TV/DVD in the DVD mode.
- 2 Insert an Audio CD into the disc tray and press the **EJECT** button on the remote to close the disc tray.
- 3 If automatic playback of the disc does not start, press the **PLAY** button on the remote control when the Audio CD menu appears to begin playback on Track 1.
- 4 Press the **▲** or **▼** buttons to scroll through the other available tracks on the disc to begin playback of that selected track.
- 5 When finished, press the **STOP** button on the remote control to stop the playback of the disc.
- 6 Press the **EJECT** button on the remote control to remove the disc from the disc tray.

Note: some Audio CDs contain CD Text that will appear when tracks are playing. This text could include the track titles or special added text information.





TROUBLESHOOTING

No Power

- Check the TV power cord. Unplug the TV, wait 10 seconds, then reinsert the plug into the outlet and push the POWER button again.
- Check that the outlet is not on a wall switch.
- Be sure the fuse is not blown on the AC power strip, if one is being used.

No Picture

- Check antenna connections. Are they properly secured to the TV's ANT 75Ω plug?
- Check the TUNER MODE control for the correct tuner setting.
- Try running the Auto Program feature to find all available channels.

No Sound

- Check the VOLUME buttons.
- Check the MUTE button on the remote control.
- Check the SPEAKER on-screen control. If it is in the OFF position, sound at the set will be eliminated.
- If you're attempting to hook up auxiliary equipment, check the audio jack connections.
- (If applicable) Check the audio receiver for the correct operating mode.

Remote Does Not Work

- Check the batteries. If necessary, replace them with AA Heavy Duty (Zinc Chloride) or Alkaline batteries.
- Clean the remote control and the remote control sensor window on the TV.

- Check the TV power cord. Unplug the TV, wait 10 seconds, then reinsert the plug into the outlet and push the POWER button again.
- Be sure the fuse is not blown on the AC power strip, if one is being used.
- Check to be sure the TV outlet is not on a wall switch.

TV Displays Wrong Channel or No Channels Above 13

- Repeat channel selection.
- Add the desired channel numbers (using the CHANNEL EDIT control) into the TV's memory.
- Check to be sure the TUNER MODES are set to the CABLE option and run the Auto Program feature to find all available channels.

Cleaning and Care

- To avoid possible shock hazard, be sure the TV is unplugged from the electrical outlet before cleaning.
- When you are cleaning the TV, take care not to scratch or damage the screen surface (avoid wearing jewelry or using anything abrasive). Wipe the front screen with a clean cloth dampened with water. Use even, easy, vertical strokes when cleaning.
- Gently wipe the cabinet surfaces with a clean cloth or sponge dampened in a solution of cool, clear water. Use a clean, dry cloth to dry the wiped surfaces.
- Never use thinners, insecticide sprays, or other chemicals on or near the cabinet, as they might cause permanent marring of the cabinet finish.

**WARNING Concerning Stationary Images on the TV Screen:**

Do not leave stationary or letterbox images on screen for extended periods of time. This can cause uneven picture-tube aging.

Normal use of the TV should involve the showing of pictures that contain constantly moving and changing images that fill the screen. Be careful not to leave nonmoving images on screen for extended periods of time, or to display the same images on screen too frequently, because subtle ghost images can be left on the picture tubes. Sources of stationary images may be DVD disks, laser disks, video games, CD-i disks, videotapes, digital television boxes, broadcast channels, cable channels, satellite channels, and others. **Here are some examples of stationary images (this is not an all-inclusive list; you may encounter others in your viewing):**

- **DVD menus**—listings of DVD disk content
- **Letterbox black bars**—shown 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.
- **Video-game images and scoreboards**
- **Television station logos**—present a problem if they are bright and stationary; moving or low-contrast graphics are less likely to cause uneven aging of the picture tube
- **Stock-market tickers**—presented at the bottom of the TV screen
- **Shopping channel logos and pricing displays**—bright and shown constantly or repeatedly in the same location on the TV screen.

PLACEMENT OF THE TV

- To avoid cabinet warping, cabinet color changes, and increased chance of set failure, do not place the TV where temperatures can become excessively hot; for example, in direct sunlight or near a heating appliance.
- Be sure to allow a free flow of air to and from the perforated back cover of the set.

CLEANING

- To avoid possible shock hazard, be sure the TV is unplugged from the electrical outlet before cleaning.
- Regularly dust the TV with a dry, nonscratching duster to keep the TV clean.
- 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 front screen with a clean cloth dampened with water. Use even, easy, vertical strokes when cleaning.
- Gently wipe the cabinet surfaces with a clean cloth or sponge dampened in a solution of cool, clear water and a mild soap or detergent. Use a clean, dry cloth to dry the wiped surfaces.
- Occasionally vacuum the ventilation holes or slots in the back cover of the set.
- Never use thinners, insecticide sprays, or other chemicals on or near the cabinet, as they might cause permanent marring of the cabinet finish.



GLOSSARY OF TERMS

Auto Programming • The procedure of adding or deleting channel numbers into the Television's memory circuits. In this way the Television "remembers" only the locally available or desired channel numbers and skips over any unwanted channel numbers.

Closed Caption • Broadcast standard which allows you to read the voice content of television programs on the TV screen. Designed to help the hearing impaired this feature uses on-screen "text boxes" to show dialogue and conversations while the TV program is in progress.

Coaxial Cable • A single solid antenna wire normally matched with a metal plug (F-type) end connector that screws (or pushes) directly onto a 75 Ohm input found on the Television or VCR.

Menu • An on-screen listing of feature controls shown on the Television screen that are made available for user adjustments.

On Screen Displays (OSD) • Refers to the wording or messages generated by the television (or VCR) to help the user with specific feature controls (color adjustment, programming, etc.).

Quadra Surf • The feature that allows the programming of four separate Surf lists holding up to 10 channels each.

Remote Sensor Window • A window or opening found on the Television control panel through which infrared remote control command signals are received.

Side Audio/Video Inputs • Located on the side of the TV these connectors (phono type plug) are used for the input of audio and video signals. Designed for easy use with VCRs or cameras.

Surf • The action of scanning specific channel in a limited channel list.

System Menu (OSD) • Allows the user to quickly confirm what channel number is currently being viewed. Status can also be used to clear the Television of on screen displays or information (rather than waiting for the displays to "time out" or automatically disappear from the screen).

Tuner Mode • Feature control settings made by the TV. Designed for first time set up and use. Settings for signal connections (antenna or cable TV), plus channel program memory are held in the TV's memory (even if the set is unplugged and moved to a new location.)

Twin Lead Wire • The more commonly used name for the two strand 300 Ohm antenna wire used with many indoor and outdoor antenna systems. In many cases this type of antenna wire requires an additional adapter (or balun) in order to connect to the 75 Ohm Input terminals designed into the more recent Televisions and VCRs.



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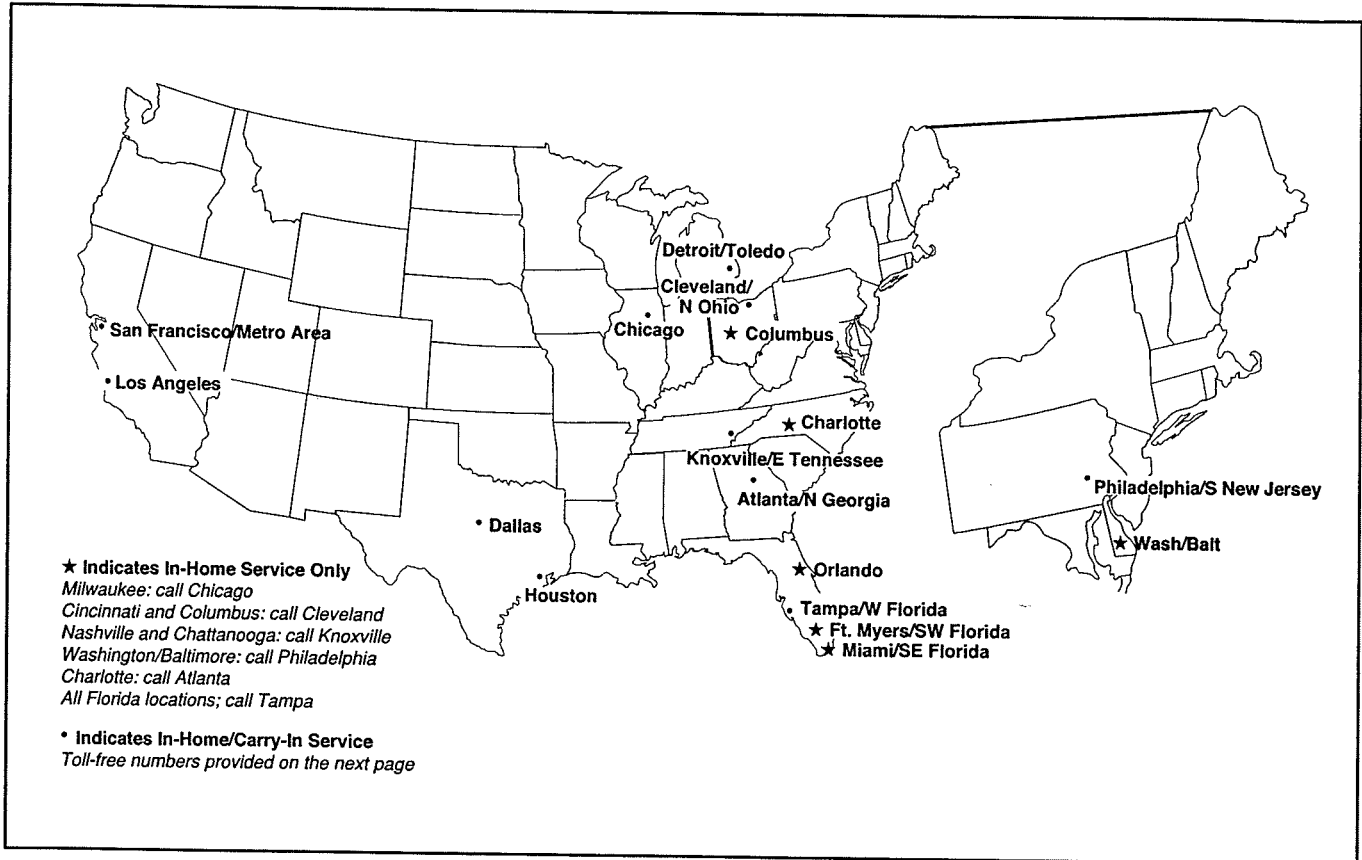
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FACTORY SERVICE LOCATIONS



NOTE: If you reside in one of our Philips Factory Service Branch areas (see directory on back), you can contact the nearest Service Branch to obtain efficient and expedient repair for your product. If your product is In-Warranty, you should have proof-of-purchase to ensure No Charge Service. For Out-of-Warranty service, call the location nearest you.

NOTA: Si vous résidez dans une des régions desservies par une succursale de service après vente du fabricant Philips (voir liste ci-dessous), vous pourrez contacter la branche de service après vente la plus près de chez vous pour obtenir un service après vente rapide et efficace. Si le produit est sous garantie, il suffira de présenter une preuve d'achat pour bénéficier d'un service sans frais. Pour les produits non couverts par la garantie, contactez le centre le plus près de chez vous.

NOTA: Si Ud. reside en una de nuestras zonas para sucursales Philips de servicio al de fábrica (ver directorio más abajo), Ud. puede comunicarse con la sucursal de servicio más cercana para obtener una reparación oportuna y eficaz de su producto. Si su producto está todavía bajo garantía, Ud. debe presentar comprobante de compra para no ocasionar ningunos cargos por servicio. Para servicio después del vencimiento de la garantía, llame al lugar más cercano de los abajo indicados.

In Canada

How you can obtain efficient and expedient carry-in, mail-in, or in-home service for your product
 Please contact Philips at
 1-800-661-6162 (French speaking)
 1-800-531-0039 (English or Spanish speaking)

Au Canada

Comment obtenir le service après-vente pour les produits apportés ou envoyés par la poste à notre centre de service ou le service à domicile
 Veuillez contacter philips à:
 1-800-661-6162 (Francophone)
 1-800-531-0039 (Anglais ou Espagnol)

En el Canadá

Cómo recibir servicio eficiente para su producto, en persona, por correo o a domicilio
 Favor de comunicarse con Philips al:
 1-800-661-6162 (Francés)
 1-800-531-0039 (Inglés o Español)

FACTORY SERVICE LOCATIONS



QUALITY SERVICE IS AS CLOSE AS YOUR TELEPHONE! SIMPLY LOOK OVER THE LIST BELOW FOR THE NUMBER OF A FACTORY SERVICE CENTER NEAR YOU. YOUR PRODUCT WILL RECEIVE EFFICIENT AND EXPEDIENT CARRY-IN, MAIL-IN, OR IN-HOME SERVICE, AND YOU WILL RECEIVE PEACE OF MIND,

KNOWING YOUR PRODUCT IS BEING GIVEN THE EXPERT ATTENTION OF PHILIPS' FACTORY SERVICE.

COMMENT OBTENIR NOTRE SERVICE APRÈS VENTE RAPIDE ET EFFICACE SOIT PAR COURRIER, À DOMICILE, OU EN SE PRÉSENTANT À UN CENTRE DE SERVICE PHILIPS. PLUS DE 600 CENTRES DE RÉCEPTION DE PRODUITS À RÉPARER À TRAVERS LE PAYS: CONTACTER LE CENTRE DE SERVICE AUX CONSOMMATEURS LE PLUS PROCHE POUR SAVOIR L'EMPLACEMENT DE CES DÉPÔTS DANS UN RAYON DE 50 À 75 MILES (80 KM À 120 KM) DU CENTRE DE SERVICE LOCAL.

CÓMO OBTENER UN SERVICIO OPORTUNO Y EFICIENTE POR CORREO, EN CASA O EN PERSONA PARA SU PRODUCTO A TRAVÉS DE UN CENTRO PHILIPS DE SERVICIO. MAS DE 600 SITIOS POR TODO EL PAIS PARA LA RECEPCION DE PRODUCTOS NECESITADOS DE REPARACIONES: COMUNICARSE CON EL CENTRO DE SERVICIO DE FABRICA MAS CERCANO PARA ESTOS LUGARES DENTRO DE UN RADIO DE 80 A 120 KM (50 A 75 MILLAS) DEL CENTRO DE SERVICIO LOCAL.

ATLANTA

Philips Factory Service
550 Franklin Road., Suite F
Marietta, GA 30067
800-273-1501

TAMPA

Philips Factory Service
1911 US Highway 301 North, Suite 100
Tampa, FL 33619
800-442-2027

SAN FRANCISCO

Philips Factory Service
681 East Brokaw Rd.
San Jose, CA 95112
800-300-9013

HOUSTON

Philips Factory Service
1110 N. Post Oak Rd., Suite 100
Houston, TX 77055
800-952-3254

CLEVELAND

Philips Factory Service
950 Keynote Circle
Brooklyn Heights, OH 44131
800-331-7037

DETROIT

Philips Factory Service
25173 Dequindre
Madison Heights, MI 48071
800-438-1398

DALLAS

Philips Factory Service
415 N. Main Street, #107
Euless, TX 76040
800-952-3254

LOS ANGELES

Philips Factory Service
20930 Bonita, Ste. V
Carson, CA 90746
800-300-9013

CHICAGO

Philips Factory Service
1279 W. Hamilton Pkwy.
Itasca, IL 60143
800-531-2922

KNOXVILLE

Philips Factory Service
One Philips Drive
Knoxville, TN 37914
800-821-1767

PHILADELPHIA

Philips Factory Service
352 Dunks Ferry Rd.
Bensalem, PA 19020
800-847-9320



LIMITED WARRANTY

COLOR TELEVISION

90 Days Free Labor

One Year Free Replacement of Parts (Two Years Free Replacement on Color Picture Tube)

This product can be repaired in home.

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 free, and labor is free. From 90 days to one year from the day of purchase, all parts will be repaired or replaced free, but you pay for all labor charges. From one to two years from the day of purchase, you pay for the replacement or repair of all parts except the picture tube, and for all labor charges. After two years 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 Philips Consumer Electronics Company.
- 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.)
- a product used for commercial or institutional purposes.

WHERE IS SERVICE AVAILABLE?

Warranty service is available in all countries where the product is officially distributed by Philips Consumer Electronics Company. In countries where Philips Consumer Electronics Company does not distribute the product, the local Philips 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...

Contact a Philips factory service center (see enclosed list) or authorized service center to arrange repair.

(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 Philips at:

1-800-661-6162 if calling from Canada (French speaking)
1-800-531-0039 (English or Spanish speaking)

(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. Philips 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 the model and serial numbers found on the product below. 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/province to state/province.

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