

Color TV

Directions for Use



Read this manual first!

Congratulations on purchasing this Philips product. We've included everything you need to get started. If you have any problems, Philips Representatives can help you get the most from your new product by explaining:

- Hookups,
- First Time Setup, and
- Feature Operation.

Do not attempt to return this product to the store.

For fast help, call us first!
1-800-531-0039

Thank you for making Philips a part of your home!

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

Model No.: _____

Serial No.: _____

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

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.

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IMPORTANT SAFETY INSTRUCTIONS

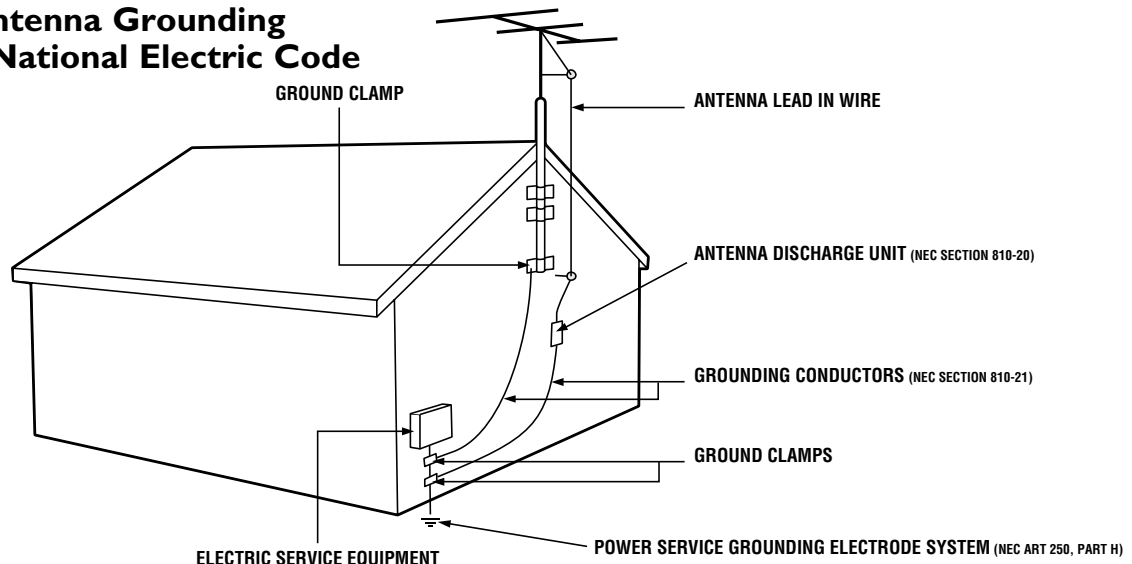
Read before operating equipment

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.
15. This product may contain lead and mercury. Disposal of these materials may be regulated due to environmental considerations. For disposal or recycling information, please contact your local authorities or the Electronic Industries Alliance: www.eiae.org
16. **Damage Requiring Service** - The appliance should be serviced by qualified service personnel when:
 - A. The power supply cord or the plug has been damaged; or
 - 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.

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



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GENERAL INFORMATION

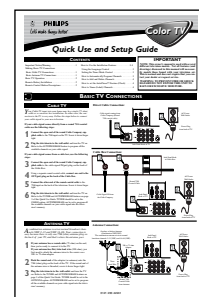
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QUICK USE AND SETUP GUIDE

Refer to the simple **Quick Use and Setup Guide** (supplied with your TV) for details on the following:

- Basic TV connections
- Basic TV and remote-control operation
- Onscreen menu navigation
- How to use the Installation features

Language, Tuner Mode, Auto Program, and Channel Edit



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.

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FEATURES

Audio/Video Jack Panel allows direct connections with VCRs, DVDs, or other devices, providing quality TV picture and sound playback.

Audio Volume Leveler (AVL) Control keeps the TV sound at an even level. Peaks and valleys 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 onscreen 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 onscreen text.

Infrared Remote Control works your TV and other remote-controlled devices, such as VCRs, DVD players, cable converters, and satellite receivers.

Onscreen 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.

QuadraSurf™ Buttons allow you to store up to 40 of your favorite channels for easy and quick access using the four colored buttons. Each of the four colored buttons will hold 10 channels or the A/V Input channels. These buttons are great for storing your favorite Sports, Movie, News or Children's programs.

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

Items Included with This TV

As you unpack your TV, please note that this *Directions for Use* manual contains safety-tip information and **Factory Service Center locations, as well as a Warranty Registration Card, remote control, and batteries for use with the remote control.**

Please take a few minutes to complete your registration card. The serial number for the TV is on the rear of the set. Refer to the back of this manual for instructions in the cleaning and care of the TV.

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.

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.



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

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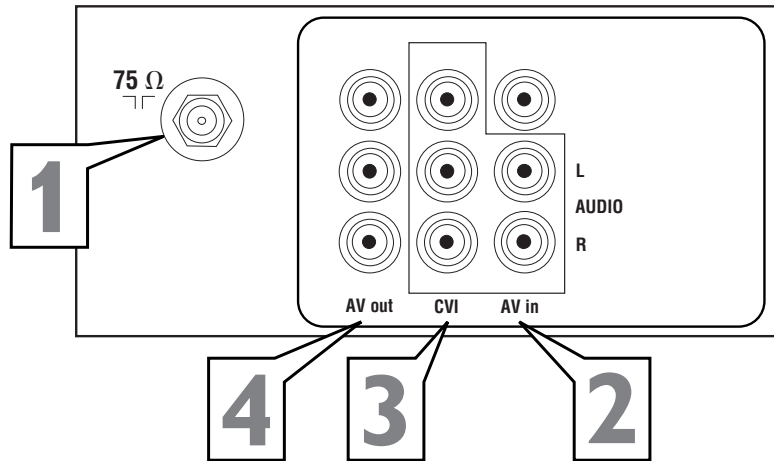
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JACK PANEL DESCRIPTIONS AND REQUIRED CABLES

The television is equipped with external input and output jacks for use with optional accessory devices such as VCRs, DVD Player, Gaming Units, Video Cameras, etc. The following gives a brief explanation of the different types of jacks available and the type of cables needed to make connections.

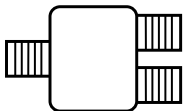
- 1 75Ω RF** - Cable/Antenna Input connection jack. Located on the back of the television.
- 2 AV in** - Audio/Video connection jacks. Located on the back of the television. Along with Component Video Inputs.
- 3 CVI** - Component Video Input connection jacks. Located on the back of the television.
- 4 AV out** - Audio/Video Output connection jacks. Located on the back of the television.



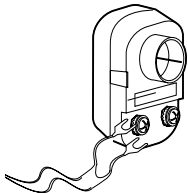
Cable Descriptions:



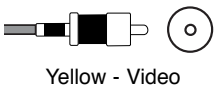
A 75-ohm **coaxial cable** connects signals from an antenna or a cable TV company to the antenna jack on the back of the TV. Coaxial cables use “F” connectors.



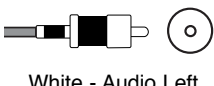
A **two-way signal splitter** enables you to take a single antenna or cable TV signal and supply it to two different inputs.



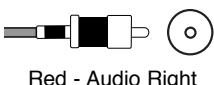
A **300- to 75-ohm twin-lead adapter** accepts the antenna cables (called twin-lead wires) from an antenna, allowing you to connect the antenna signal to the TV.



Yellow - Video



White - Audio Left



Red - Audio Right

Video and audio cables with standard RCA (phono) connectors connect the video and audio jacks of accessory devices such as VCRs and DVD players to the jacks on the TV.

These connectors are usually color coded. The jacks on your TV are also color coded to match the colors of the connectors. Yellow for video (composite) and Red and White for the right and left audio channels. The video cables used to connect component video or RGB (high-resolution) jacks are color coded red, green, and blue.

USING THE AV IN (INPUT) JACKS

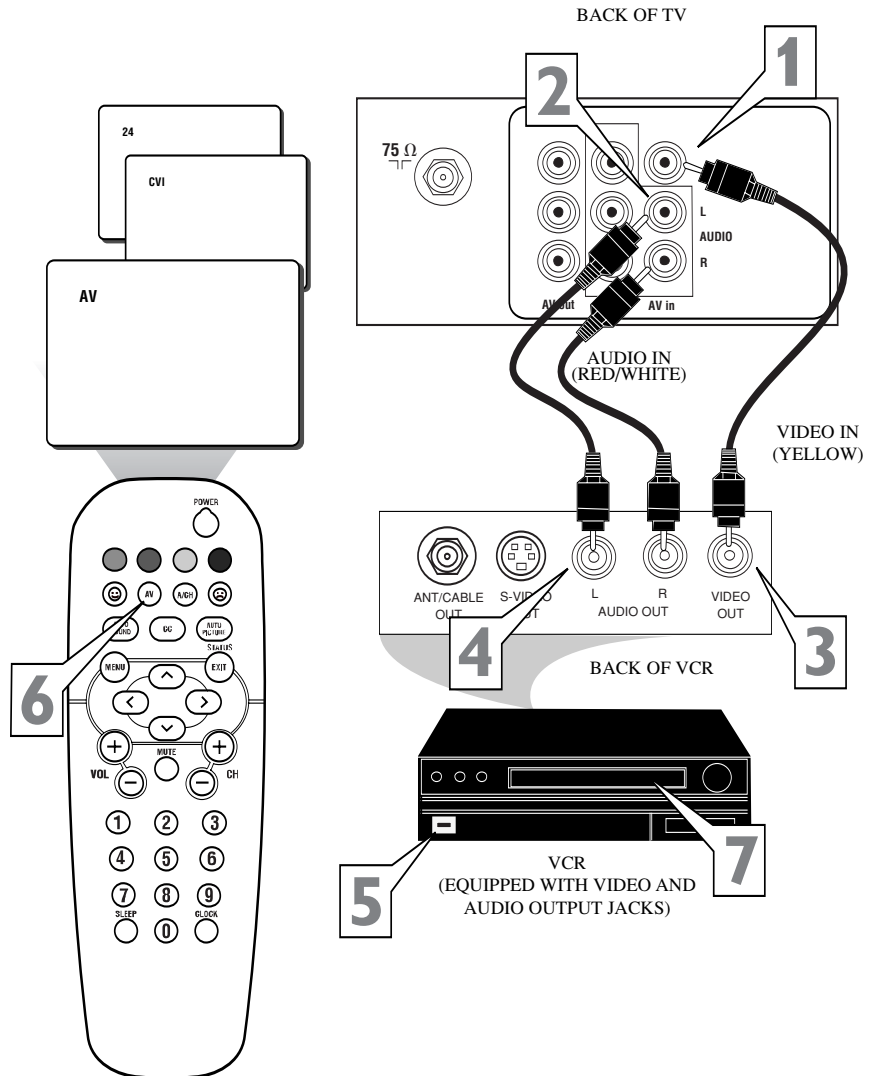
The TV's audio/video input jacks are for direct picture and sound connections between the TV and a VCR (or similar device) that has audio/video output jacks. Follow the easy steps below to connect your accessory device to the AV in Jacks located on the back of the TV.

NOTE: Repeatedly pressing the AV button on the remote control will toggle the picture source from the current channel, the AV channel, then the CVI channel.

- 1** Connect the VIDEO (yellow) cable to the VIDEO AV in jack on the back of the TV.
- 2** Connect the AUDIO (red and white) cables to the AUDIO (left and right) AV in jacks on the rear of the TV.
- 3** Connect the VIDEO (yellow) cable to the VIDEO OUT jack on the back of the VCR.
- 4** Connect the AUDIO (red and white) cables to the AUDIO (left and right) OUT jacks on the rear of the VCR.
- 5** Turn the VCR (accessory device) and the TV ON.
- 6** Press the AV button on the remote control to select the AV channel. AV will appear in the upper left corner on the TV screen.
- 7** With the VCR (or accessory device) ON and a prerecorded tape (CD, DVD, etc.) inserted, press the PLAY button to view the tape on the television.

CHECK IT OUT

Repeatedly pressing the AV button on the remote control will toggle the picture source from the current channel, then AV, CVI Input Jack connections.



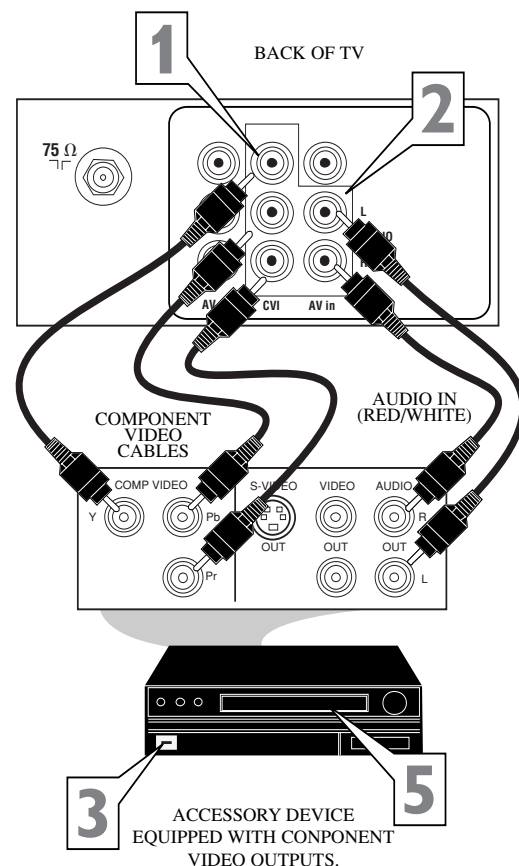
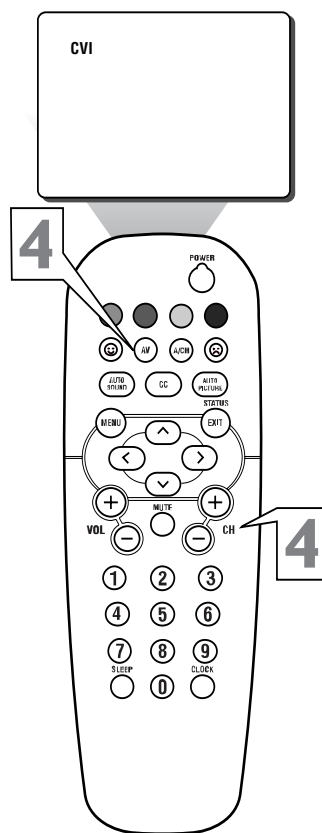


USING THE CVI (COMPONENT VIDEO INPUT) JACKS

Component Video inputs provide for the highest possible color and picture resolution in the playback of digital signal source material, such as with DVD players. The color difference signals (Pb, Pr) and the luminance (Y) signal are connected and received separately, which allows for improved color bandwidth information (not possible when using composite video or S-Video connections).

- 1** Connect the Component (Y, Pb, Pr) Video OUT jacks from the DVD player (or similar device) to the (Y, Pb, Pr) in(put) jacks on the TV. When using the Component Video Inputs, it is best not to connect a signal to the AV in Video Jack.
- 2** Connect the red and white AUDIO CABLES to the Audio (left and right) output jacks on the rear of the accessory device to the Audio (L and R) AV in Input Jacks on the TV.
- 3** Turn the TV and the DVD (or digital accessory device) ON.
- 4** Press the AV button or the CH +, - buttons to scroll the available channels until CVI appears in the upper left corner of the TV screen.
- 5** Insert a DVD disc into the DVD player and press the PLAY ► button on the DVD Player.

The CVI connection will be dominate over the AV in Video Input. When a Component Video Device is connected as described, it is best not to have a video signal connected to the AV in Video Input jack.



HELPFUL HINT

The description for the component video connectors may differ depending on the DVD player or accessory digital source equipment used (for example, Y, Pb, Pr; Y, B-Y, R-Y; Y, Cr, Cb). Although abbreviations and terms may vary, the letters *b* and *r* stand for the blue and red color component signal connectors, and *Y* indicates the luminance signal. Refer to your DVD or digital accessory owner's manual for definitions and connection details.

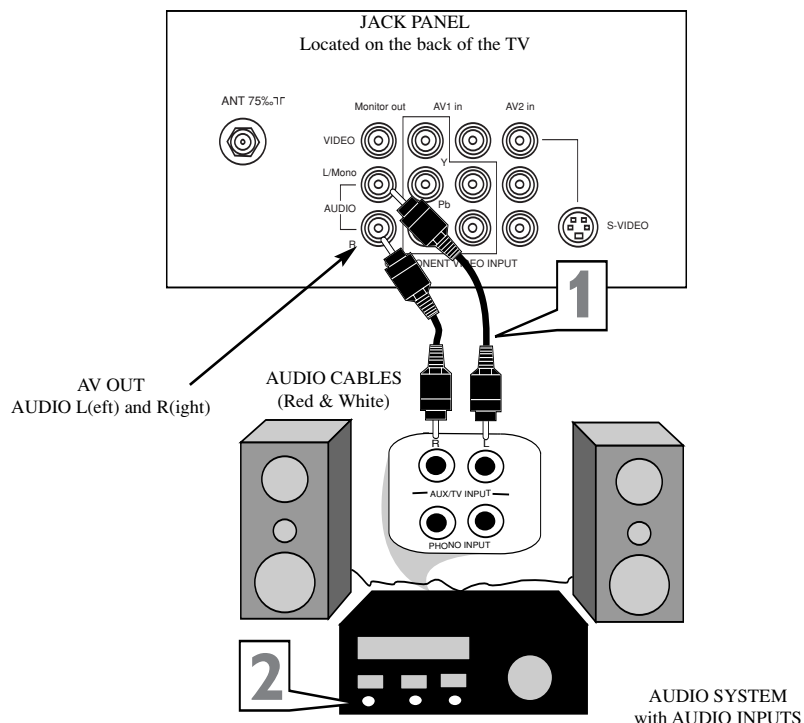
USING THE AV OUT(PUT) JACKS



The AV (Audio/Video) out jacks are great for recording with a VCR or used to connect an external audio system for better sound reproduction.

For Audio System Connection:

- 1** Connect one end of the **R(ight) and L(ef) AUDIO (Monitor Out)** jacks on the TV to the R and L audio input jacks on your amplifier or sound system. Set the audio system's volume to a normal listening level.
- 2** Turn the TV and audio system ON. You can now adjust the sound level coming from the audio system with the **VOLUME (+) or (-)** button on the TV or remote control.

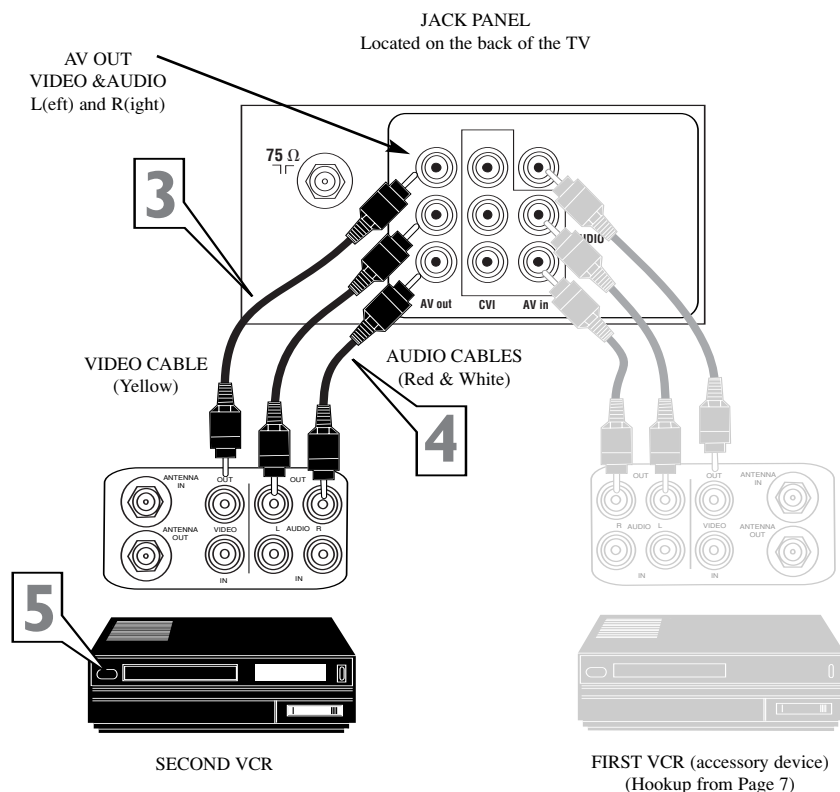


For Second VCR Connection:

NOTE: Refer to page 7 for the proper hookup of the first VCR. Follow the instructions on how to tune to the AV channel to view a pre-recorded tape.

The following steps allow you to connect a second VCR to record the program while your watching it.

- 3** Connect one end of the yellow Video Cable to the AV out VIDEO plug. Connect the other end to the VIDEO IN plug on the second VCR.
- 4** Connect one end of the red and white Audio cable from the AV out AUDIO L and R plugs on the TV to the AUDIO IN plugs on the VCR.
- 5** Turn the Second VCR ON, insert a black VHS tape and it's ready to record what's being viewed on the TV screen.





ADJUSTING THE PICTURE CONTROLS


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

- 1** Press the **MENU** button on the remote control to show the onscreen menu. **PICTURE** will be highlighted.
- 2** Press the **CURSOR RIGHT** button and the menu will shift to the left. **BRIGHTNESS** will be highlighted and an adjustment bar will be shown to the right.
- 3** Use the **CURSOR LEFT** or **CURSOR RIGHT** button to adjust the **BRIGHTNESS** level of the picture.
- 4** After adjusting the **BRIGHTNESS** control, press the **CURSOR DOWN** button to select another picture adjustment: **COLOR**, **PICTURE**, **SHARPNESS**, **TINT**, OR **COLOR TEMP.** Press the **CURSOR LEFT** or **CURSOR RIGHT** button to adjust the selected control.

NOTE: The menu will show only five items at a time, so you will need to continue scrolling with the **CURSOR DOWN** button to adjust the **TINT** and **COLOR TEMP.**

- 5** Press the **STATUS/EXIT** button to remove the menu from the screen.

HELPFUL HINT

Remember, when the bar scale is centered , the control settings are at normal, mid-range levels. Picture adjustments are described here.

NOTE: The **SHARPNESS** and **TINT** Controls will not be available for adjustments when tuned to the **CVI Inputs (CVI Channel)**.

BRIGHTNESS – adds or subtracts light from the darkest part of the picture.

COLOR – adds or eliminates color.

PICTURE – improves the detail of the lightest parts of the picture.

SHARPNESS – improves the detail in the picture.

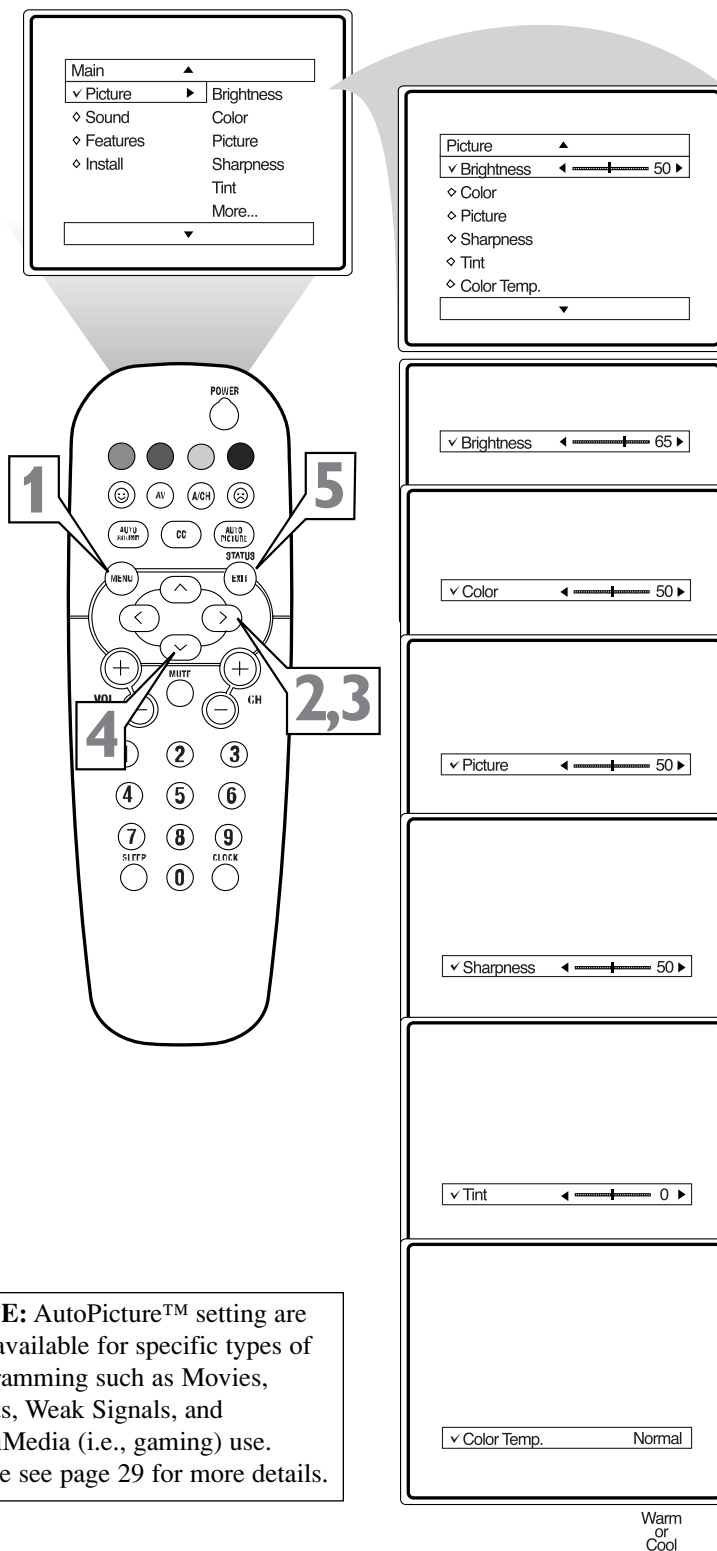
TINT – adjusts the picture to obtain natural skin tones.

COLOR TEMP offers **NORMAL**, **COOL**, or **WARM** picture preferences.

NORMAL – keeps whites, white.

COOL – makes whites, bluish.

WARM – makes whites, reddish.



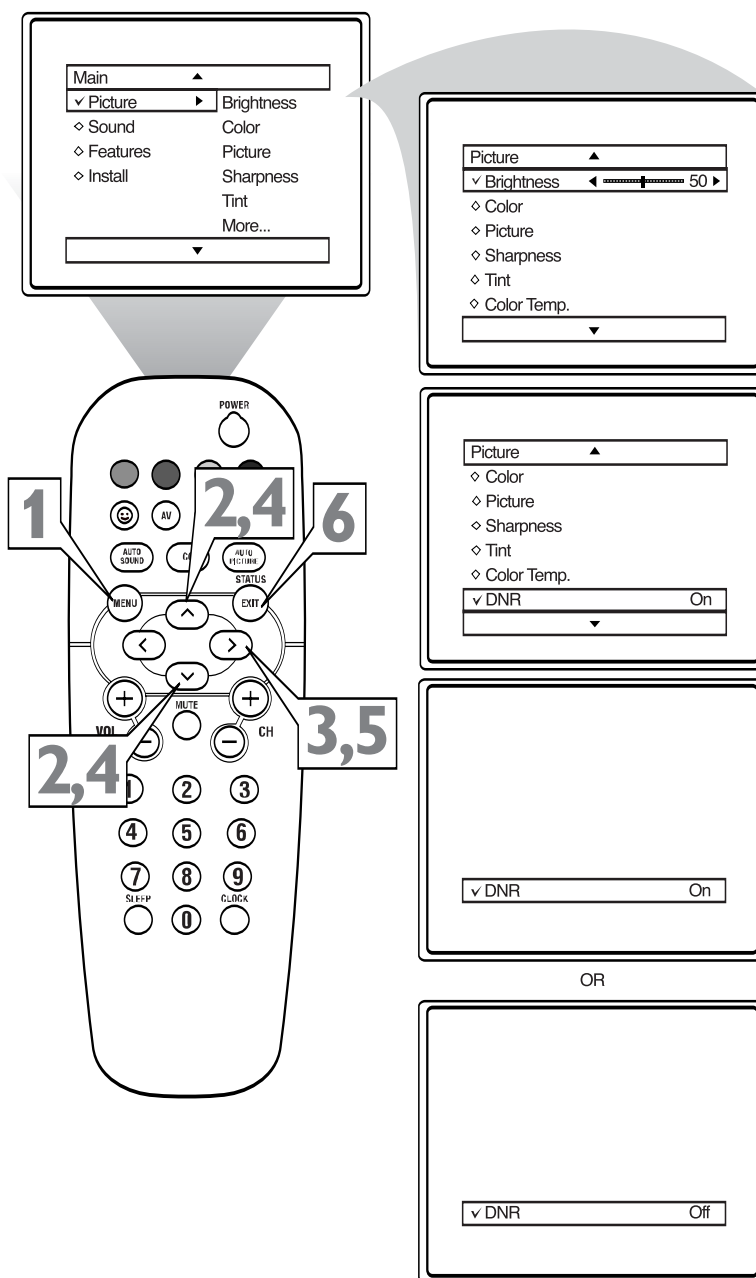
NOTE: AutoPicture™ setting are also available for specific types of programming such as Movies, Sports, Weak Signals, and MultiMedia (i.e., gaming) use. Please see page 29 for more details.

HOW TO USE THE DNR (DIGITAL NOISE REDUCTION) CONTROL



For reasons such as poor cable reception, the picture can sometimes appear slightly “speckled” (or has signal noise shown in the picture). The DNR (Dynamic Noise Reduction) control can help eliminate this type of interference and improve the quality of the picture.

- 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 **PICTURE** is highlighted.
- 3** Press the **CURSOR RIGHT** button to display the **PICTURE** menu features.
- 4** Press the **CURSOR UP** or **CURSOR DOWN** button to scroll the Picture menu features until the word **DNR** is highlighted.
- 5** Press the **CURSOR RIGHT** button turn the **DNR** feature ON or OFF.
- 6** When finished, press the **STATUS /EXIT** button to remove the menu from the TV's screen.



HELPFUL HINT

“Noise” Reduction is a video adjustment feature that affects the picture quality of the TV not the sound.

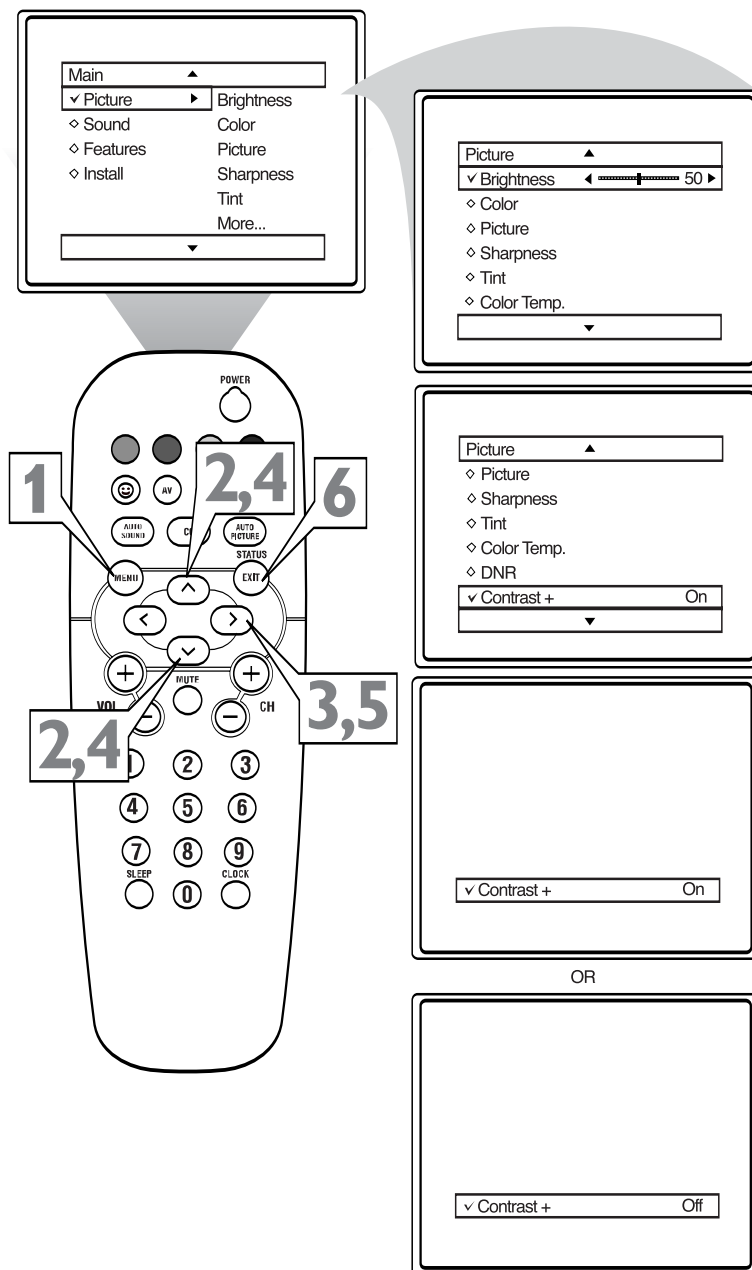
NOTE: If the Sharpness control setting is under 50 (see Picture Adjustments on the previous page), the DNR control will have little or no effect to the TV's picture when switched to ON.



HOW TO USE THE CONTRAST + (BLACK STRETCH) CONTROL

The Contrast + (Black Stretch) control helps to “sharpen” the picture quality. The black portions of the picture become richer in darkness and the whites become brighter.

- 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 **PICTURE** is highlighted.
- 3** Press the **CURSOR RIGHT** button to display the **PICTURE** menu features.
- 4** Press the **CURSOR UP** or **CURSOR DOWN** button to scroll the Picture menu features until the word **CONTRAST +** is highlighted.
- 5** Press the **CURSOR RIGHT** button turn the **CONTRAST +** feature ON or OFF.
- 6** When finished, press the **STATUS /EXIT** button to remove the menu from the TV's screen.

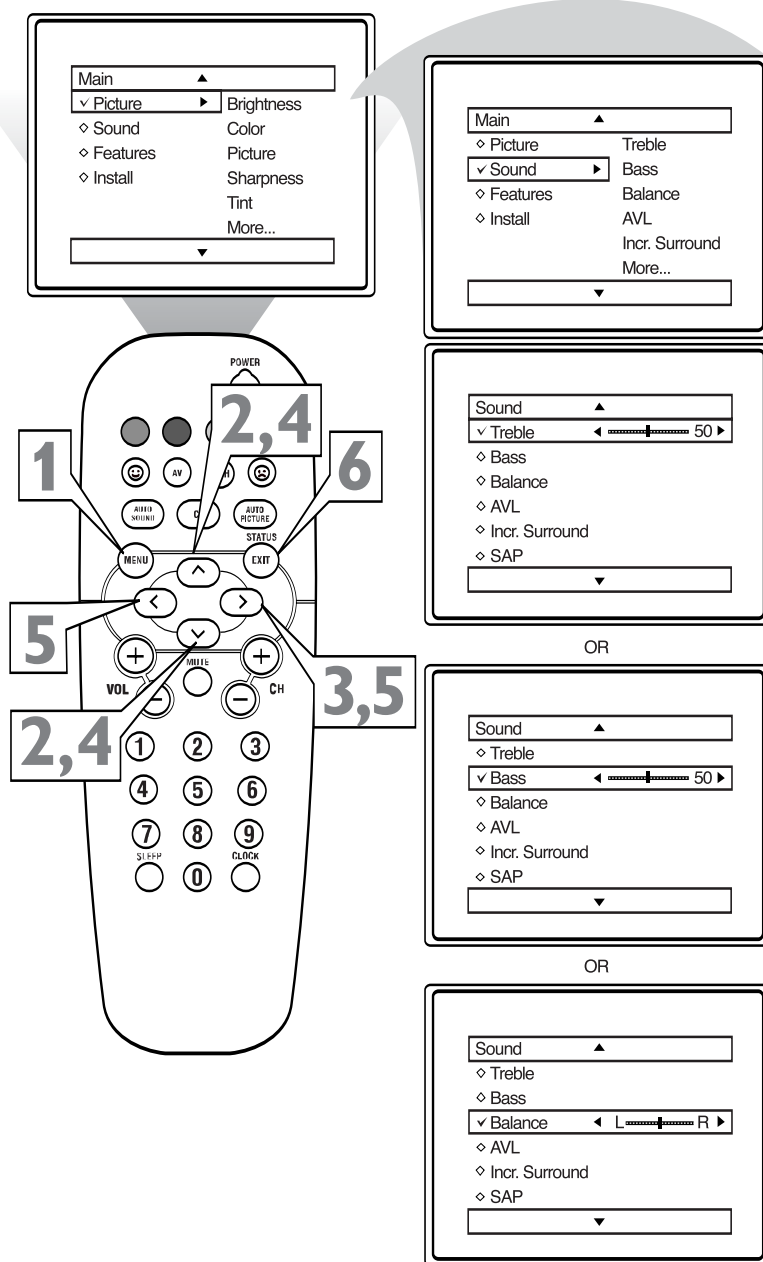


ADJUSTING THE TREBLE, BASS, AND BALANCE CONTROLS



Besides the normal volume level control, your TV also has individual sound-adjustment controls. The **TREBLE** (high frequency), **BASS** (low frequency), and **Speaker BALANCE** may all be used to adjust the sound playback of TV programs.

- 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 words **TREBLE**, **BASS** or **BALANCE** are highlighted.
- 5** Press the **CURSOR RIGHT** or **LEFT** button to adjust the **Treble**, **Bass** or **Balance** controls.
- 6** When finished, press the **STATUS** /**EXIT** button to remove the menu from the TV's screen.



HELPFUL HINT

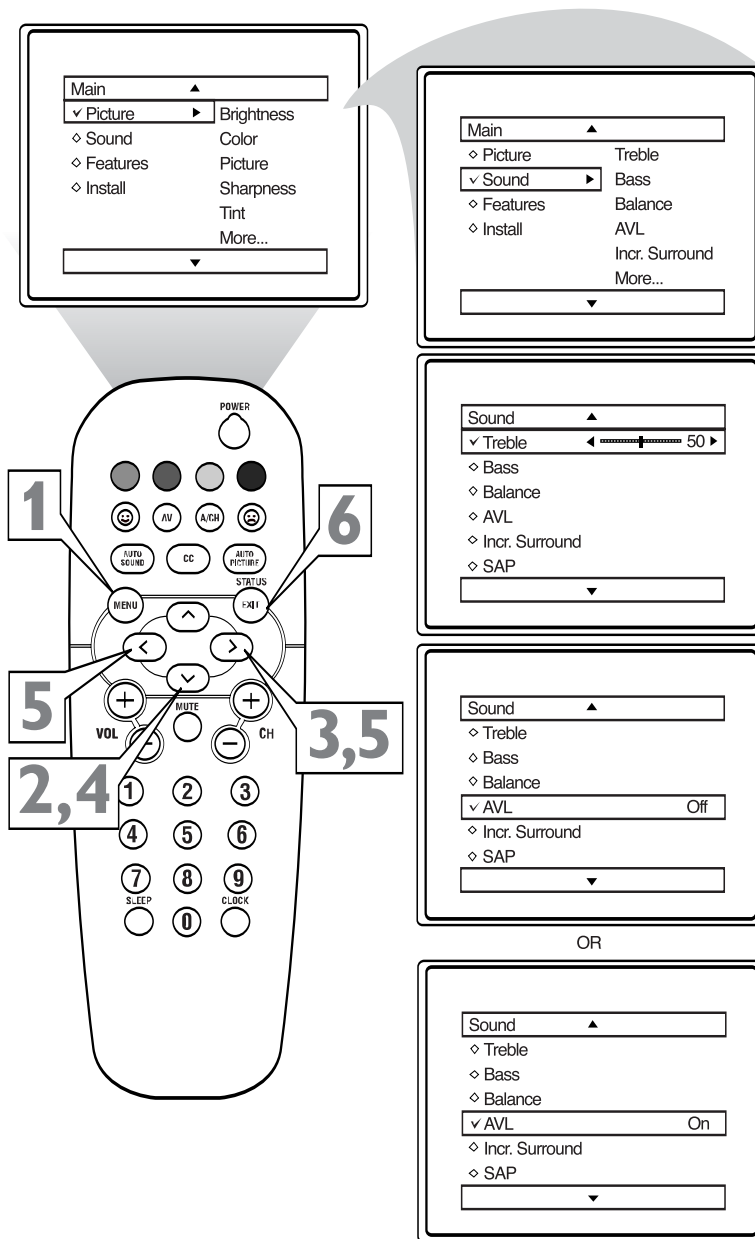
Remember, when the bar scale is centered, speaker **BALANCE** is centered between the TV's left and right side speakers.



How to Use the AVL (AUTOMATIC VOLUME LEVELER) CONTROL

In most cases, the volume levels coming from broadcast programming or commercials are never the same. With the AVL (Audio Volume Leveler) control turned ON, you can have the TV level out sound that is being heard. This makes for a more consistent sound by reducing the peaks and valleys that occur during program changes or commercial breaks. To turn the AVL ON, follow these steps.

- 1** Press the **MENU** button on the remote control to show the onscreen menu.
- 2** Press the **CURSOR DOWN** button once to highlight SOUND.
- 3** Press the **CURSOR RIGHT** button and the menu will shift to the left. TREBLE will be highlighted and an adjustment bar will be shown to the right.
- 4** Press the **CURSOR DOWN** button repeatedly until AVL is highlighted.
- 5** Press the **CURSOR RIGHT** or **CURSOR LEFT** button to toggle AVL ON or OFF.
- 6** Press the **STATUS/EXIT** button to remove the menu from the screen.



HOW TO USE THE INCREDIBLE SURROUND CONTROL



The Incredible Surround feature adds greater depth and dimension to both monaural (MONO) and stereo TV sound. With the control set to INCR. SURROUND (Incredible Surround), the TV's speakers can add even wider sound separation to normal broadcasts.

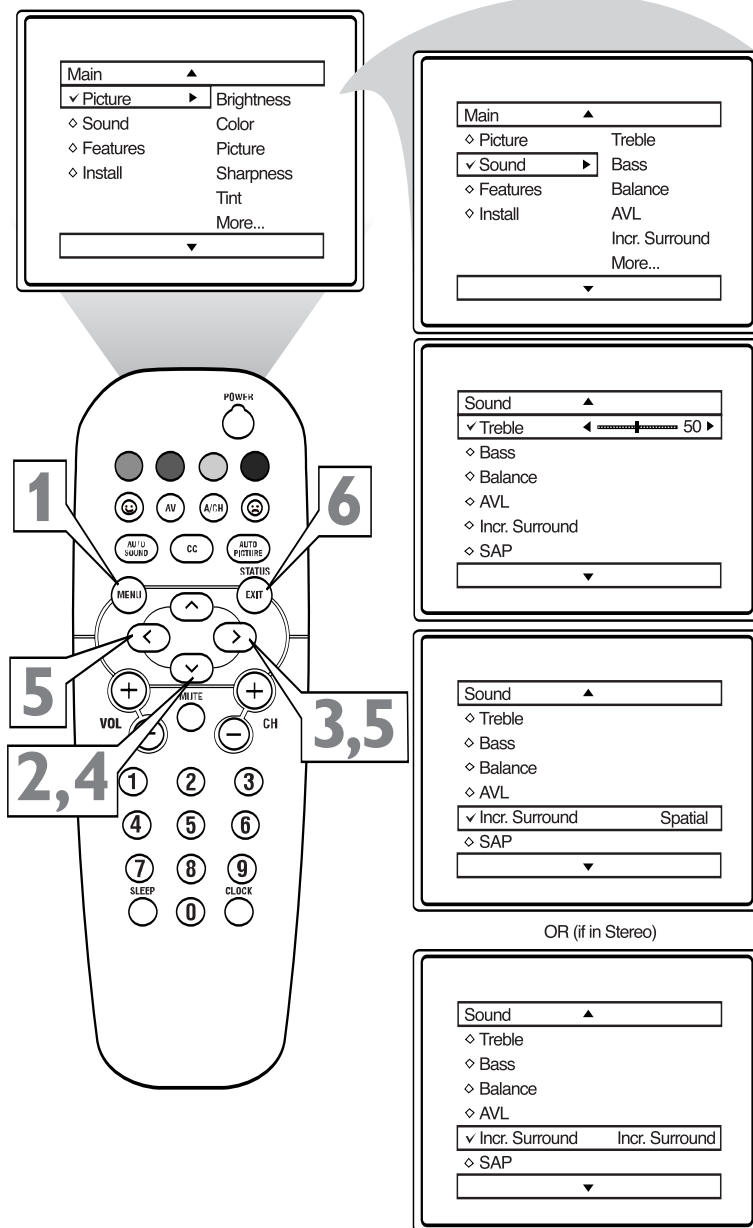
- 1 Press the MENU button** on the remote control to show the onscreen menu.
- 2 Press the CURSOR DOWN button** once to highlight SOUND.
- 3 Press the CURSOR RIGHT button** and the menu will shift to the left. TREBLE will be highlighted and an adjustment bar will be shown to the right.
- 4 Press the CURSOR DOWN button** repeatedly until INCR. SURROUND is highlighted. (Incredible Surround)
- 5 Press the CURSOR RIGHT or CURSOR LEFT button** to toggle the INCR. SURROUND control settings.
 - If signal is Stereo:** Select STEREO, INCR. SURROUND, or DOLBY* VIRTUAL.
 - If signal is MONO:** Select MONO, or SPATIAL.
- 6 Press the STATUS/EXIT button** to remove the menu from the screen.

HELPFUL HINT

If the TV signal is being received from a mono source, pressing the INCR. SURR. button will cause either MONO or SPATIAL to appear on the screen. If the TV signal is being received from a stereo source and the "Sound" control is set to Stereo, pressing the INCR. SURR. button will toggle two choices: STEREO and INCR. SURROUND.

SPATIAL – widens the "Mono" sound, simulating a broader, fuller sound.

INCR. SURROUND – widens the "Stereo" sound, simulating a broader, fuller sound.



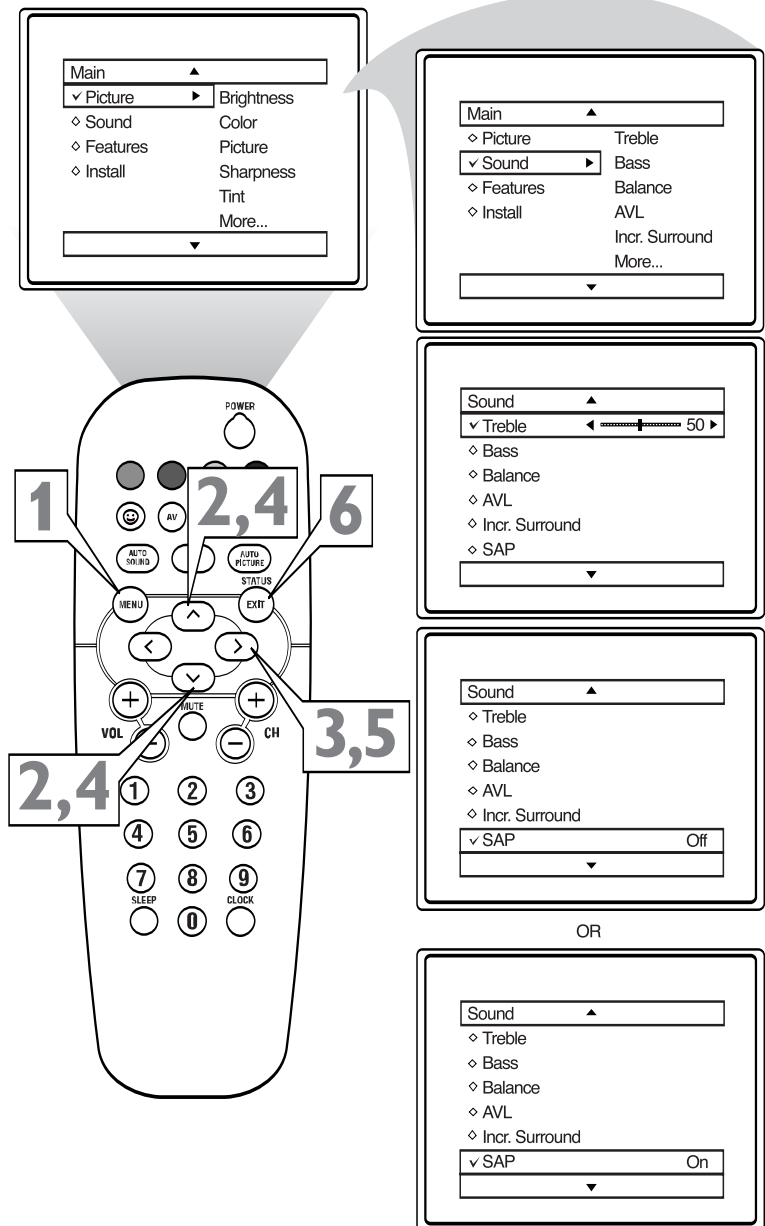


SETTING THE TV FOR SAP (SECONDARY AUDIO PROGRAMS)

A SAP signal is an additional part of the stereo broadcast system. Sent as a third audio channel, a SAP signal can be heard apart from the current TV program sound. TV stations are free to use SAP for any number of purposes.

If a SAP signal is not present with a selected program, the SAP option cannot be selected. Also, if SAP is selected on a channel (with SAP) and you select another channel, when you return to the original channel, SAP will be OFF. You will have to reselect the SAP feature.

- 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 word **SAP** is highlighted.
- 5** Press the **CURSOR RIGHT** button to turn the **SAP** control ON or OFF.
- 6** When finished, press the **STATUS /EXIT** button to remove the menu from the TV's screen.



SETTING THE TV TO RECEIVE STEREO PROGRAMMING

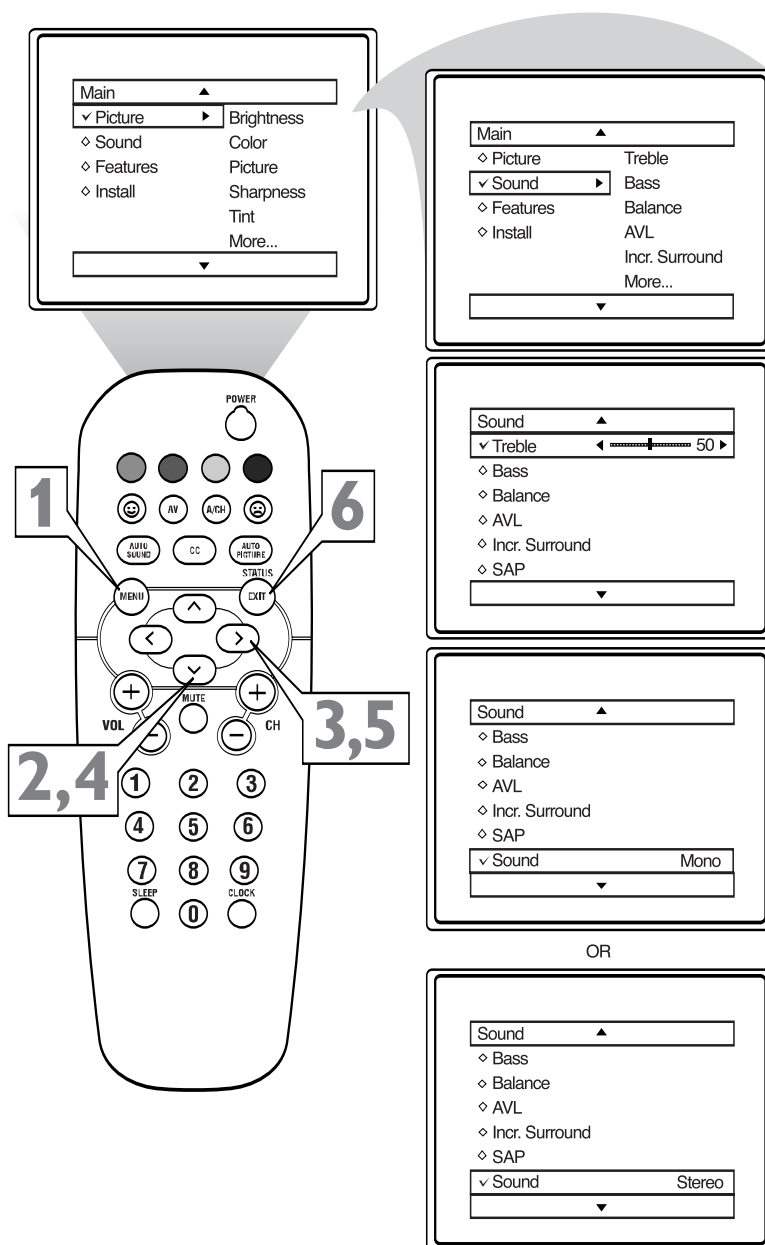


You can receive broadcast stereo TV programs. The TV has both an amplifier and twin speakers through which the stereo sound can be heard.

- 1** Press the **MENU** button on the remote control to show the onscreen menu.
- 2** Press the **CURSOR DOWN** button once to highlight **SOUND**.
- 3** Press the **CURSOR RIGHT** button and the menu will shift to the left. **TREBLE** will be highlighted and an adjustment bar will be shown to the right.
- 4** Press the **CURSOR DOWN** button repeatedly until **STEREO** is highlighted.
- 5** Press the **CURSOR RIGHT** button to select **STEREO** or **MONO**.
- 6** Press the **STATUS/EXIT** button to remove the menu from the screen.

HELPFUL HINT

Remember, if stereo is not present on a selected show and the TV is placed in the **STEREO** mode, the sound coming from the set will remain monaural.





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 CLOCK button on the remote. The Timer menu will appear on the screen.

2 Press the CURSOR UP or CURSOR DOWN button to highlight one of the Timer controls you wish to set (Time, Start Time, Stop Time, Channels, Activate, or Display)..

3 Press the CURSOR RIGHT button to adjust the selected option.

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 and 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 tune a specific channel.

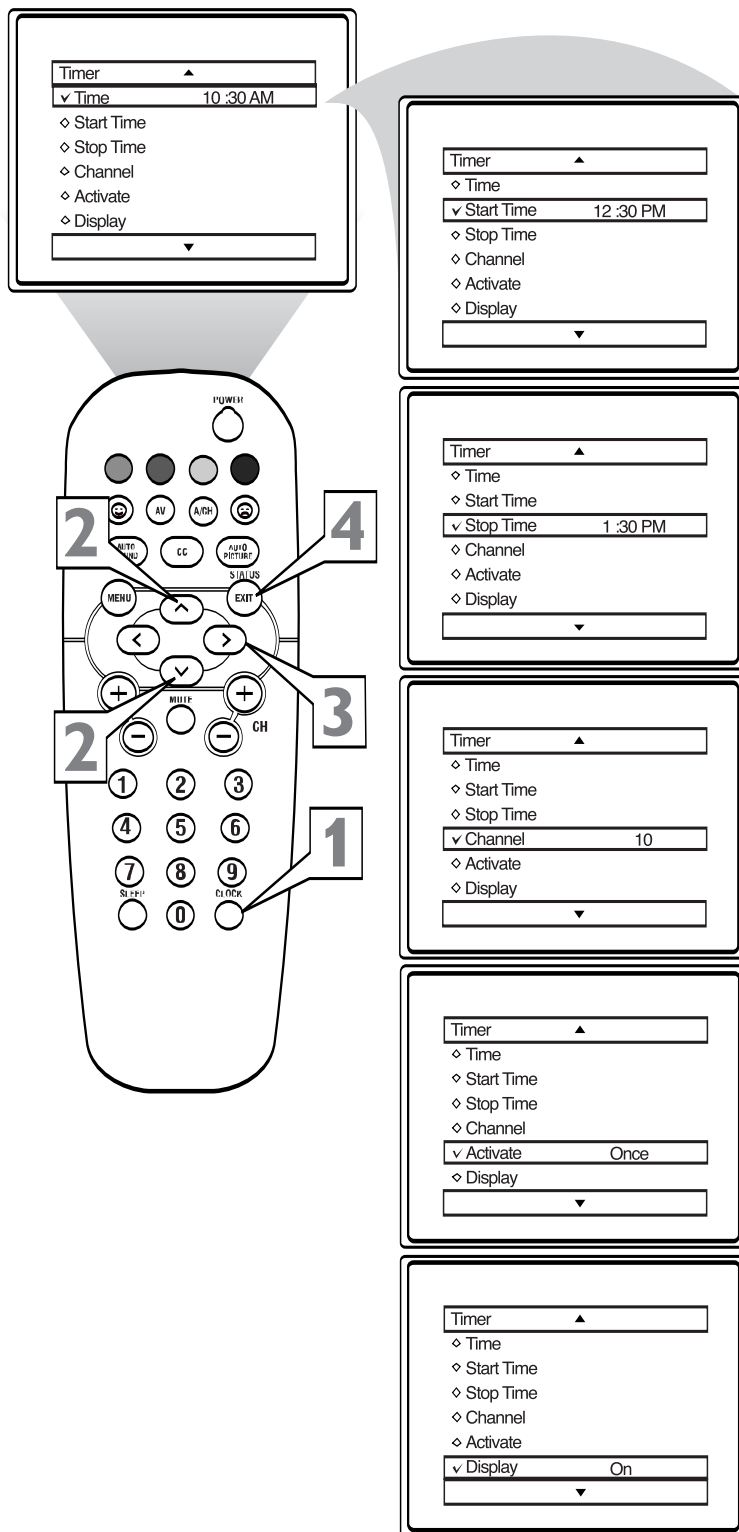
STOP TIME: Use the Numbered buttons to enter a time for the TV to shut itself off.

CHANNEL: Use the Numbered buttons or the CH + or – buttons to select a specific channel for the TV to tune to at the specific Start Time.

ACTIVATE: Set the Timer to preform it's 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 STATUS/EXIT button is pressed.

4 When finished, press the STATUS/EXIT button to remove the menu from the TV screen.





The AutoLock™ feature 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 programming children may watch.

In the AutoLock™ section, you'll learn how to block channels and programming that is not rated, is unrated, or has no rating. You will also find out how to turn these blocking features ON or OFF. Following are brief explanations of some terms and ratings related to the AutoLock™ feature.

AutoLock™ offers various Blocking Options from which to choose:

BLOCKING: The BLOCKING control is what can be thought of as the "master switch" for AutoLock™. This control affects the settings you have chosen for blocking programs according to movie ratings or TV ratings, or for blocking programs that have no rating or are unrated. When the BLOCKING control is OFF, the blocking or censoring of programs is disabled. When the BLOCKING control is ON, blocking will occur according to the settings you have chosen.

NO RATING: ALL programming with no content advisory data can be blocked if NO RATING is set to ON.

Programming that has No Rating is not encoded with any rating information from the MPAA or the Parental Guidelines. Any programming could fall into this category.

You also can block individual channels or block programming based on ratings of the MPAA and TV broadcasters. (See a description of the ratings on this page.)

Movie Rating ▲

✓ G On

◇ PG

◇ PG-13

◇ R

◇ NC-17

◇ X

▼

TV Rating ▲

✓ TV-Y On

◇ TV-Y7

◇ TV-G

◇ TV-PG

◇ TV-14

◇ TV-MA

▼

MOVIE RATINGS (MOTION PICTURE ASSOCIATION OF AMERICA)

G: General Audience - All ages admitted. Most parents would find this programming suitable for all ages. This type of programming contains little or no violence, no strong language, and little or no sexual dialogue or sexual 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 programming is specifically designed for adults. Anyone under the age of 17 should view this programming only 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: (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 ages 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 sexual 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: Moderate violence (V), some sexual situations (S), infrequent coarse language (L), or some suggestive dialogue (D).

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: (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

AutoLock™ allows parents to block out or “censor” any channels they think children should not watch. A channel blocked by the AutoLock™ control cannot be viewed until a correct access code is used to unlock the channel for viewing. First, let’s set your AutoLock access code.

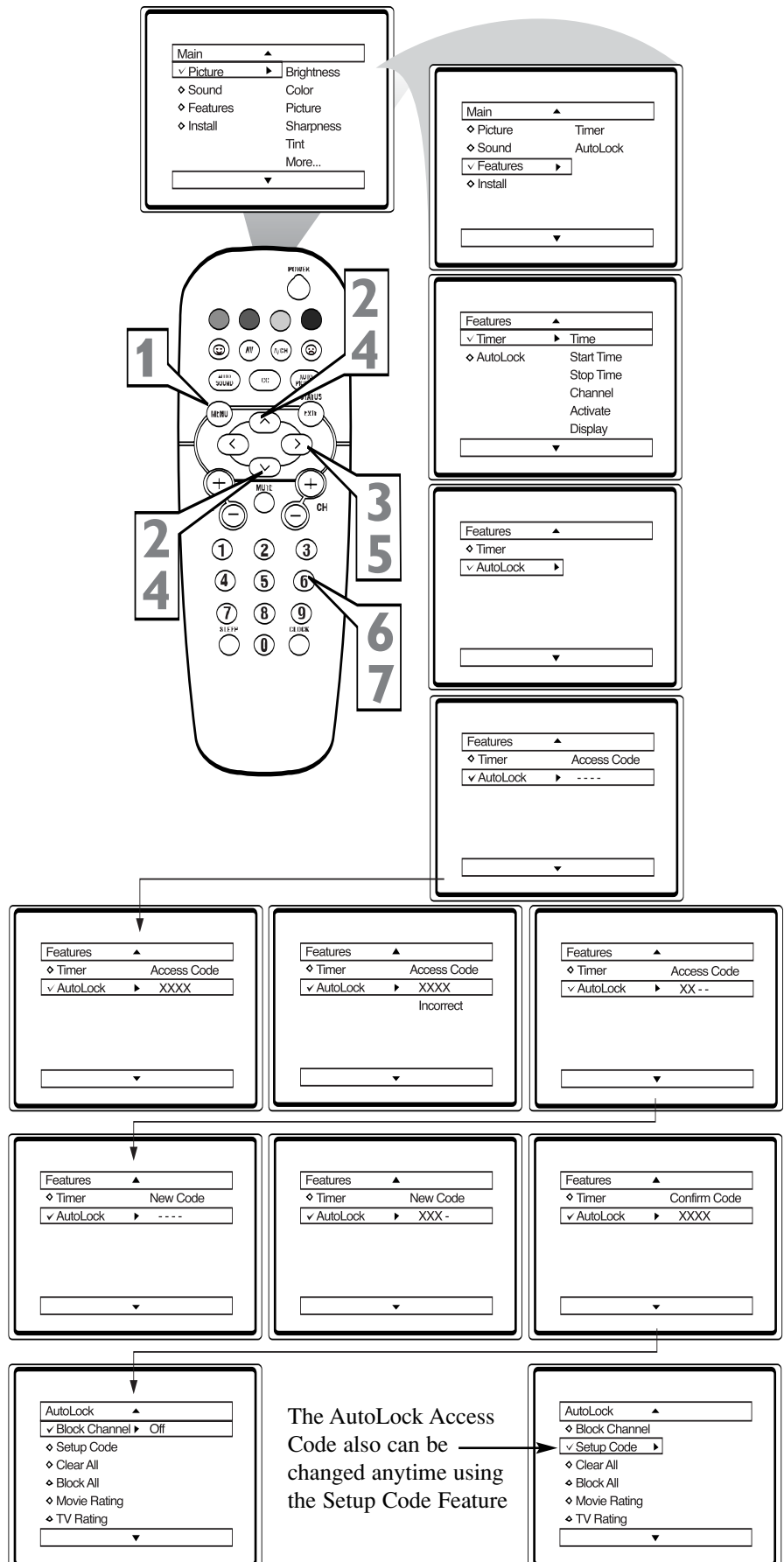
- 1** Press the **MENU** button on the remote to display the on-screen menu.
- 2** Press the **CURSOR UP** or **DOWN** button until the word **FEATURES** is highlighted.
- 3** Press the **CURSOR RIGHT** button to display the **FEATURES** menu options.
- 4** Press the **CURSOR UP** or **DOWN** button 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

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

NOTE TO PARENTS: It 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 has been changed without your knowledge, then you will become aware that blocked channels may have been viewed.

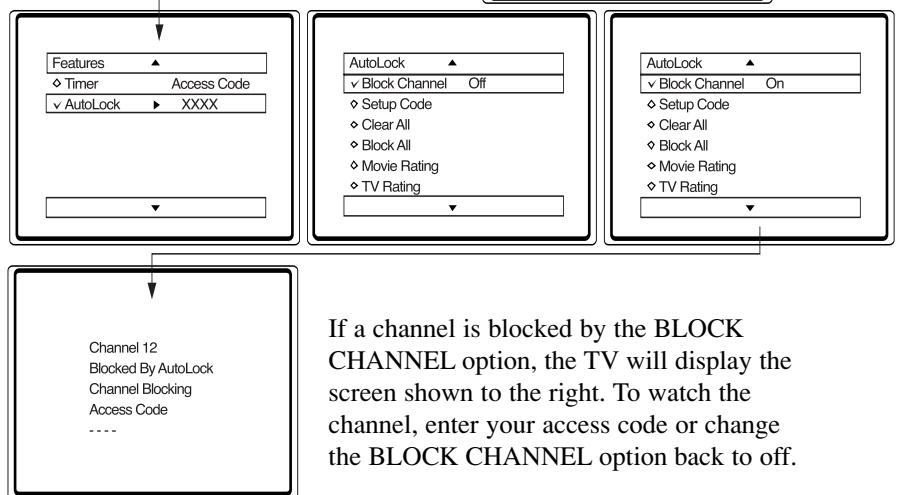
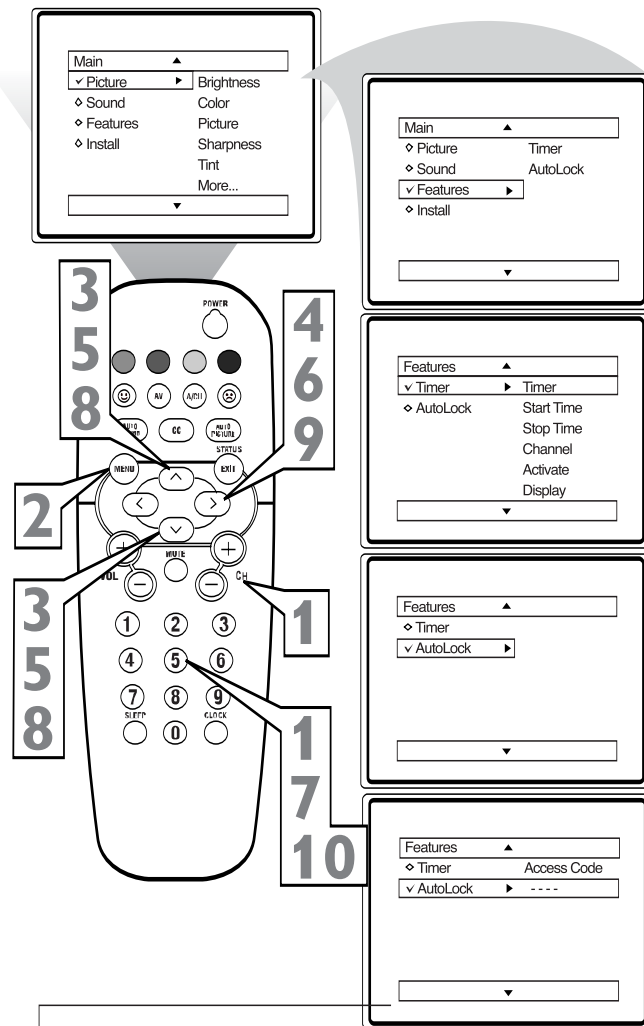


HOW TO BLOCK CHANNELS USING AUTOLOCK™



After your personal access code has been set (see the previous page), you are ready to select the channels or inputs 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.
- 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.



HELPFUL HINT

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

NOTE: You also can block out the use of the A/V external inputs on the rear of the TV. This stops the viewing of VCR, DVD, and other sources that can be shown through the AV in or CVI input jacks. Select AV, or CVI; and then select **BLOCK**.

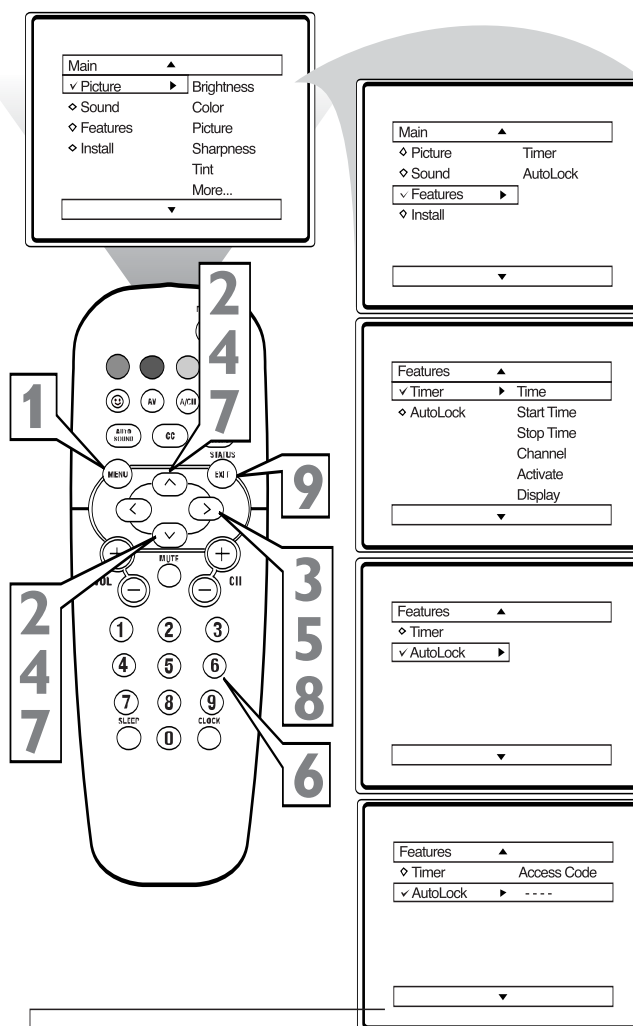
If a channel is blocked by the **BLOCK CHANNEL** option, the TV will display the screen shown to the right. To watch the channel, enter your access code or change the **BLOCK CHANNEL** option back to off.



HOW TO CLEAR ALL BLOCKED CHANNELS USING AUTOLOCK™

Various onscreen messages will appear when someone tries to view blocked programming. The message is determined by how the current programming is blocked. You may view the blocked programming and turn OFF the AutoLock™ feature by using the Clear All control or by entering your access code.

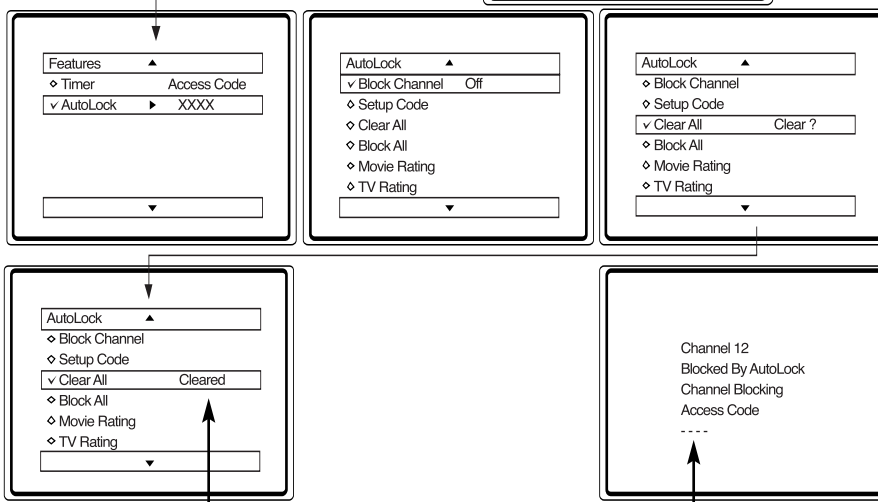
- 1** Press the **MENU** button on the remote to show the on-screen menu.
- 2** Press the **CURSOR UP** or **DOWN** button until the word **FEATURES** is highlighted.
- 3** Press the **CURSOR RIGHT** button to display the FEATURES menu options.
- 4** Press the **CURSOR UP** or **DOWN** button until the 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 **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 **STATUS/EXIT** button to remove the menu from the TV's screen.



HELPFUL HINT

If you tune to a specific channel that has been blocked by **BLOCK CHANNEL** or any of the AutoLock™ **RATING** options, simply enter your four-digit access code to view the channel.

NOTE: this will unblock ALL channels until the TV is shut OFF. When powered back ON, all previously blocked channels will be blocked again.



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

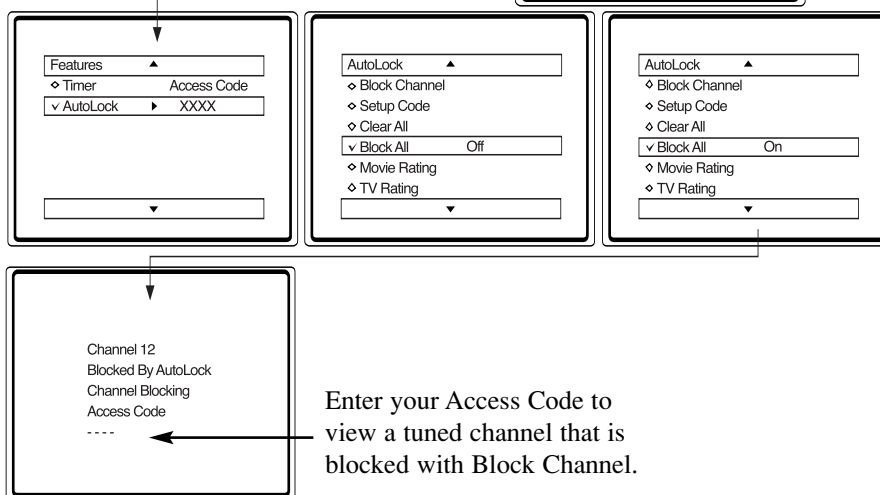
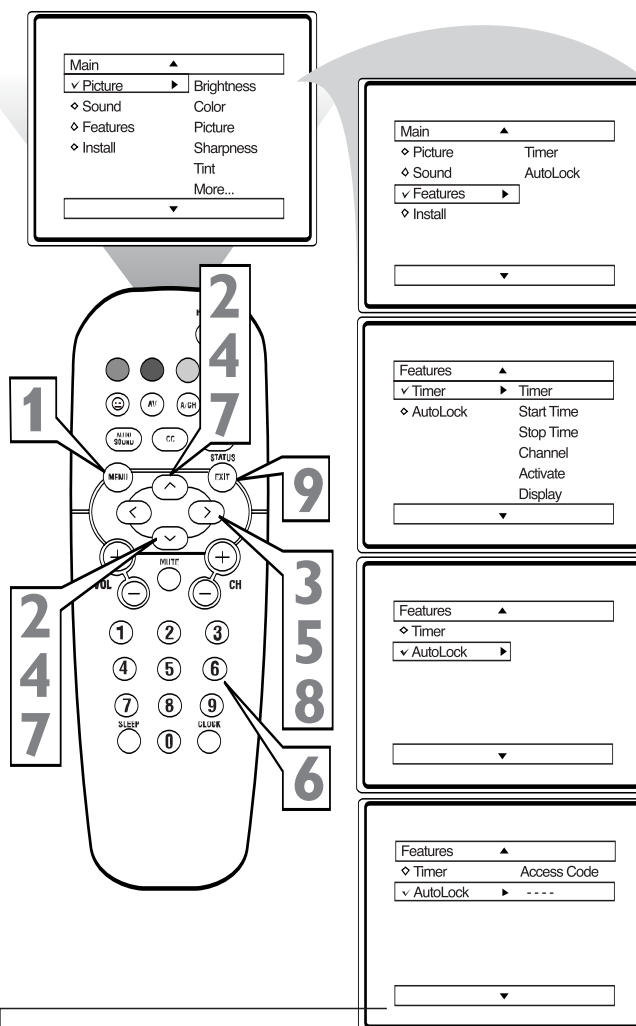
Or, enter your Access Code to view a tuned channel that is blocked with Block Channel.

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** buttons 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 **STATUS/EXIT** button to remove the menu from the screen.



HELPFUL HINT

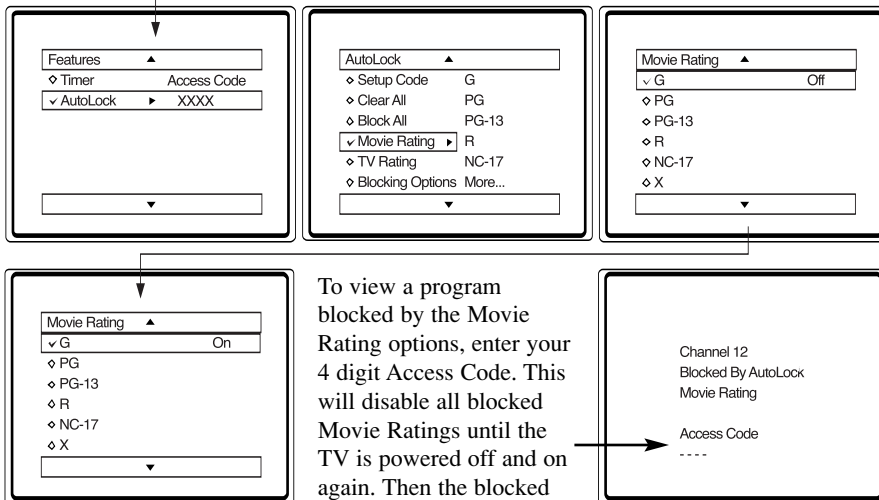
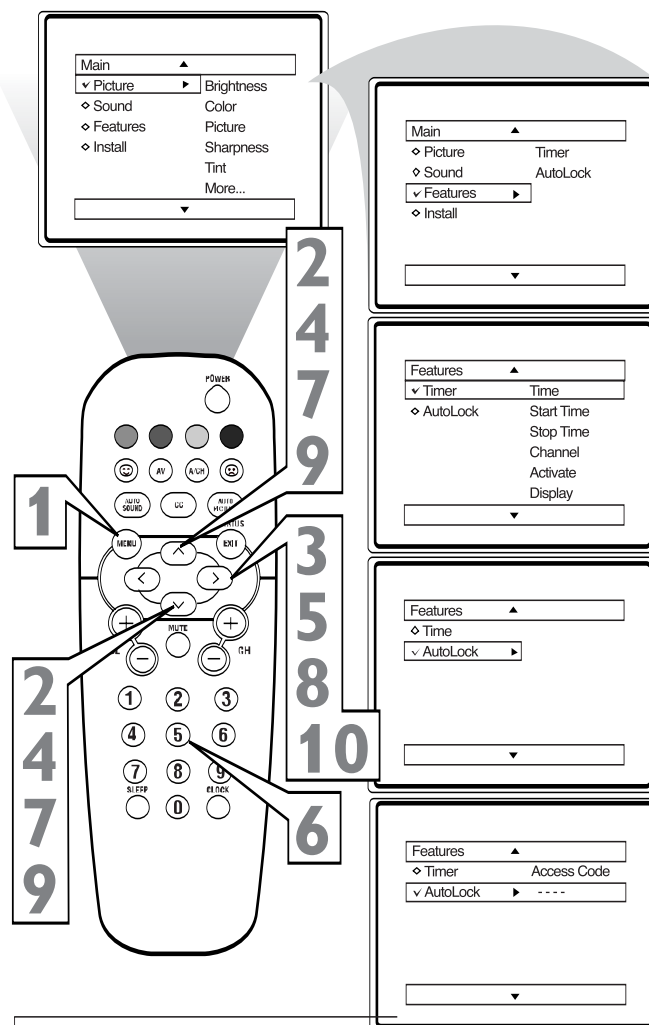
If you tune to a blocked channel and enter your Access Code to view the channel, ALL blocked channels will be viewable until the TV has been turned off. When the TV is powered back ON, the previously blocked channels will be blocked again.



HOW TO BLOCK PROGRAMMING BASED ON MOVIE RATINGS

After your personal access code has been set, you can select specific movie ratings that you want to censor.

- 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 RATINGS**.
- 8** Press the **CURSOR RIGHT** button to display the **MOVIE RATINGS** options (G, PG, PG-13, R, NC17, or X).
- 9** Press the **CURSOR UP** or **DOWN** button to highlight any of the Movie Ratings 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 turned ON, all higher ratings also will be turned on automatically. For example, if the **R** rating is turned on, the **NC-17** and **X** ratings also will be turned on.

All Movie Ratings can be turned ON or OFF.

Refer to page 19 for Movie Rating definitions.

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 blocked options will be restored.

HOW TO BLOCK PROGRAMMING BASED ON TV RATINGS



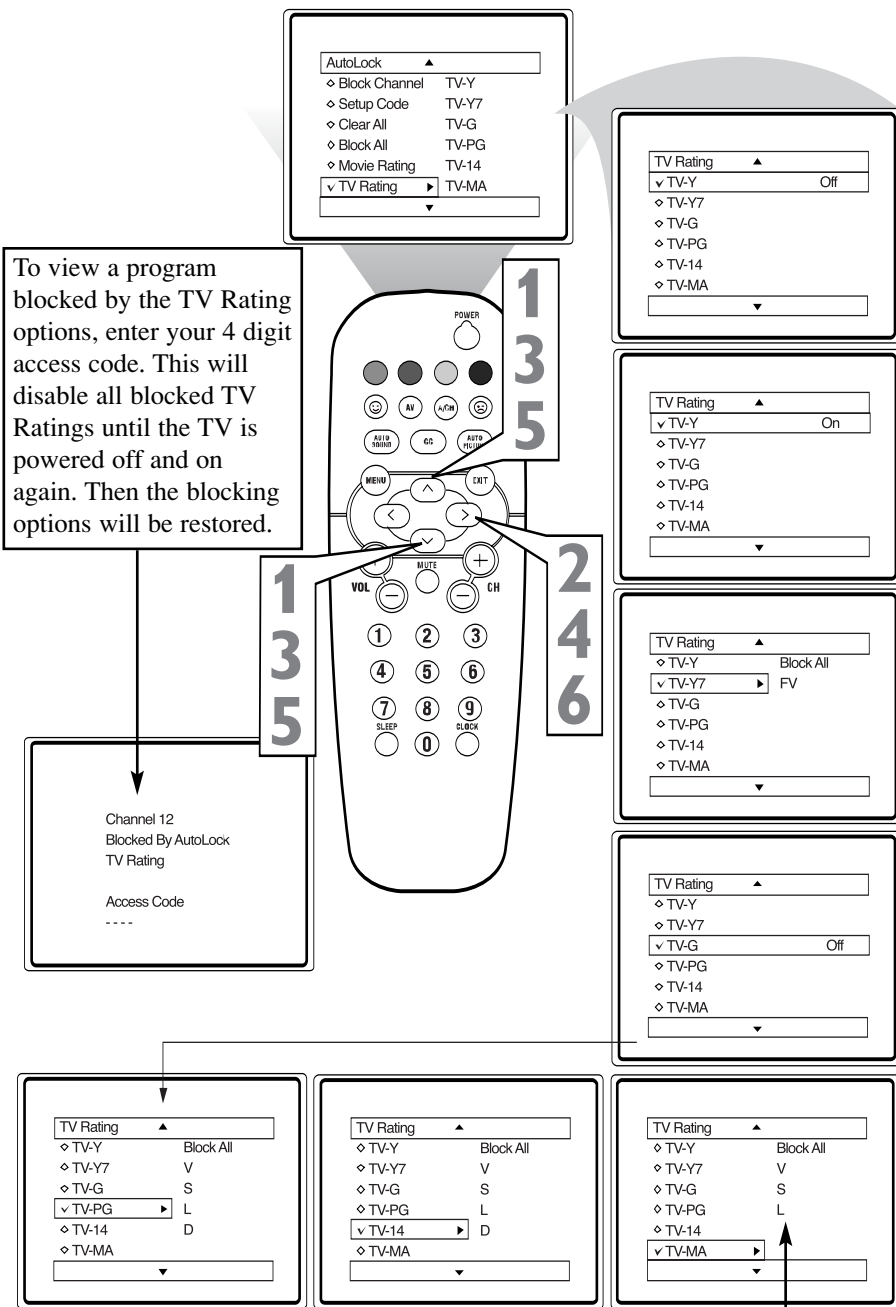
This portion of the AutoLock features cover program ratings based on the TV Industry rating system. This is known as TV Ratings within AutoLock.

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 RATINGS** 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**.

HELPFUL HINT

When a rating is turned ON, all higher ratings also will be turned on automatically. For example, if the *R* rating is turned on, the *NC-17* and *X* ratings also will be turned on.



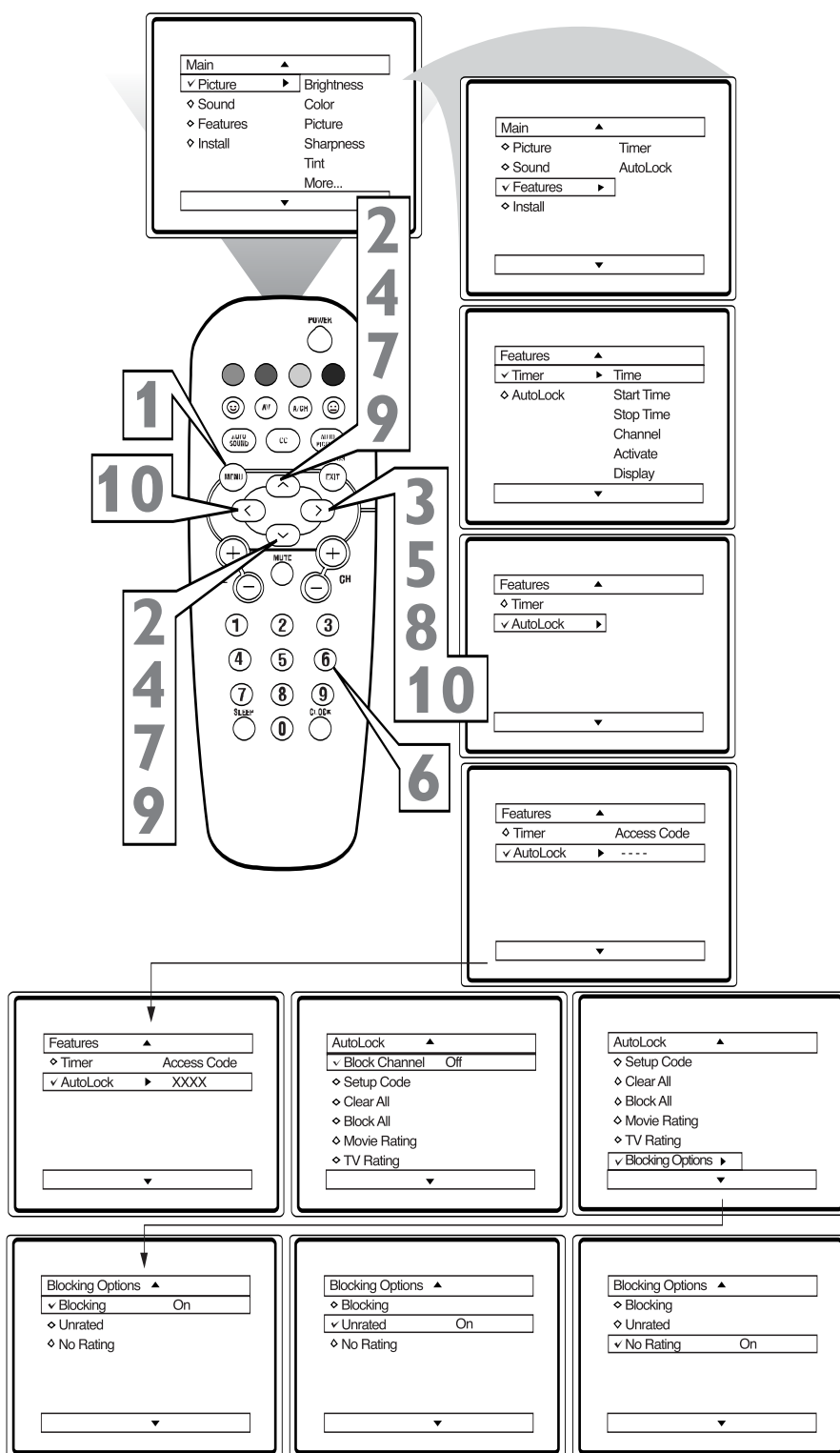
TV Ratings and Rating Sub-Menus
When a TV Rating is selected to block, ALL higher ratings will be blocked also.



USING THE 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 CLOSED CAPTIONING CONTROL

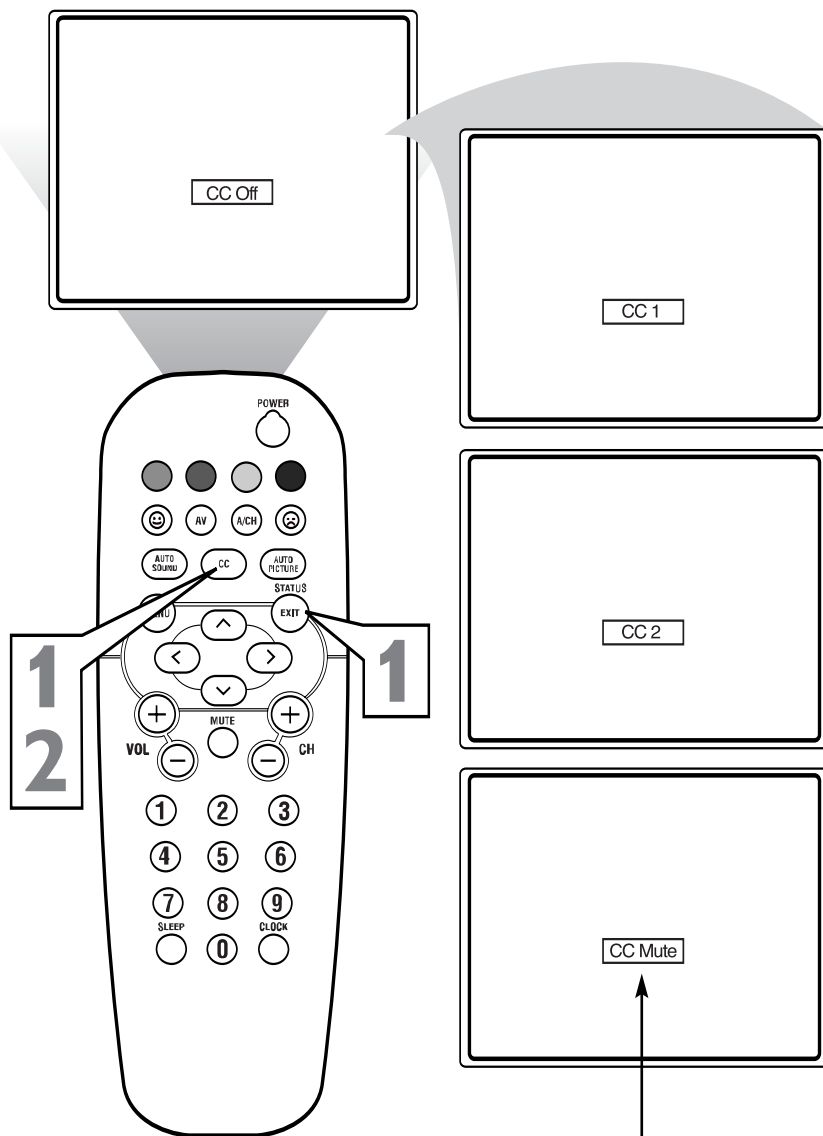


Closed Captioning (CC) allows you to read the voice content of television programs on the TV screen. Designed to help the hearing impaired, this feature uses on-screen “text boxes” to show dialogue and conversations while the TV program is in progress.

- 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 STATUS /EXIT 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 (CC 1, or CC 2) 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 mode.



HOW TO SET THE SLEEP TIMER 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 sound screeching in your ears? Well, your TV can enable you to avoid that discomfort by automatically turning itself off. With the Sleep Timer feature, you can set a timer to automatically switch the TV OFF after a period of time you choose (15-minute increments up to 60 minutes, then 30-minute increments up to 90 minutes, then 60-minute increments up to 240 minutes).

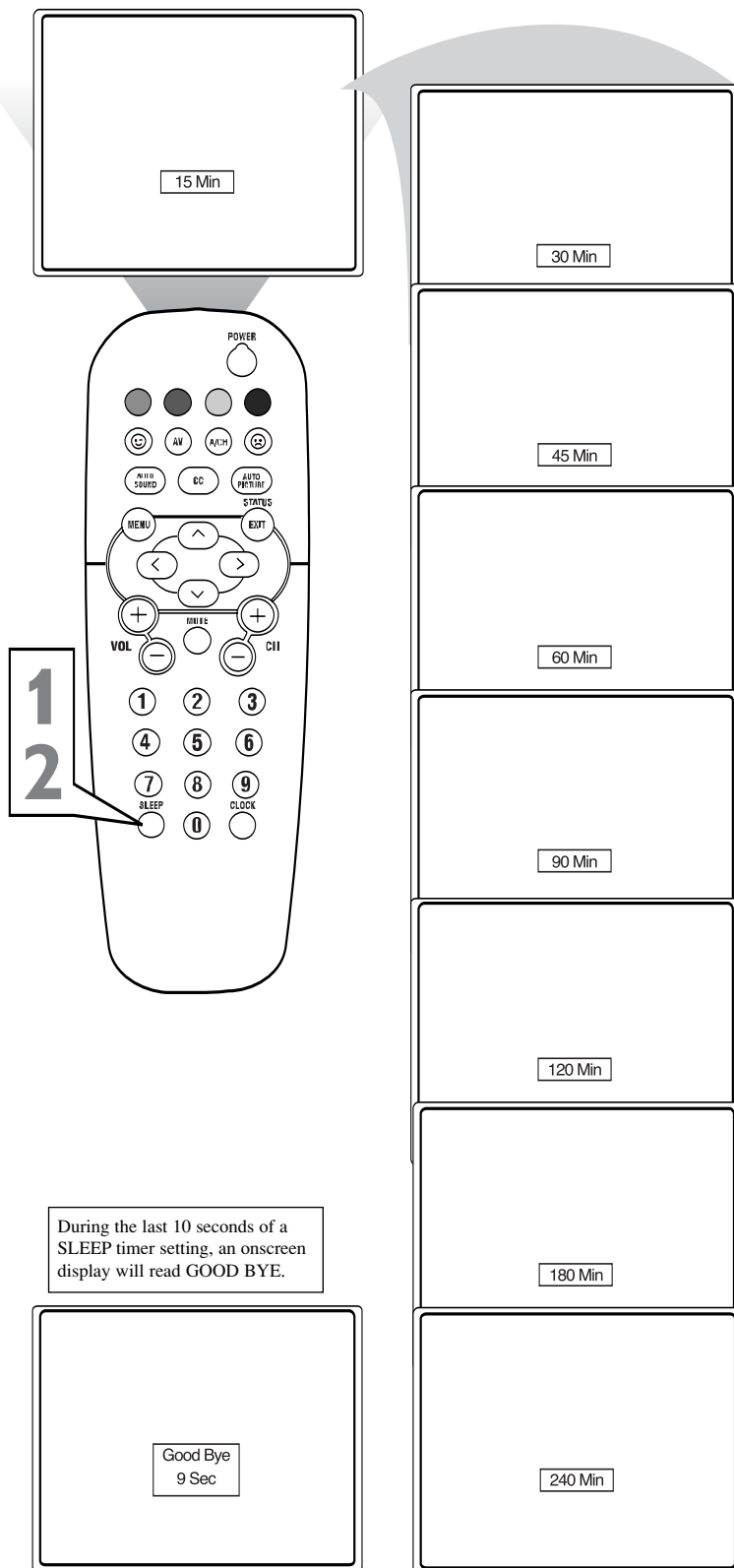
- 1 Press the SLEEP button** on the remote control. The SLEEP timer onscreen display will appear in the upper part of the screen.
- 2 Within five seconds, press the SLEEP button repeatedly** to pick the amount of time (15-minute increments up to 60 minutes, then 30-minute increments up to 90 minutes, then 60-minute increments up to 240 minutes) before the TV will turn itself off.

An onscreen countdown will appear during the last minute before the TV shuts itself off.

HELPFUL HINT

To see how many minutes remain before the TV shuts itself off, press the STATUS/EXIT button.

A Sleep Timer setting can be cancelled by pressing any button during the last minute of the operation.





Whether you're watching a movie or a video game, your TV has automatic video control settings that will match with your current program source or content. AutoPicture™ quickly resets your TV's video controls for a number of different types of programs and viewing conditions that you may have in your home. The Movies, Sports, Weak Signal, and Multimedia AutoPicture™ controls have been preset at the factory to automatically adjust the TV's brightness, color, picture, sharpness, tint, and color temperature levels. The Personal AutoPicture™ settings are the ones that you made through the PICTURE options within the onscreen menu

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

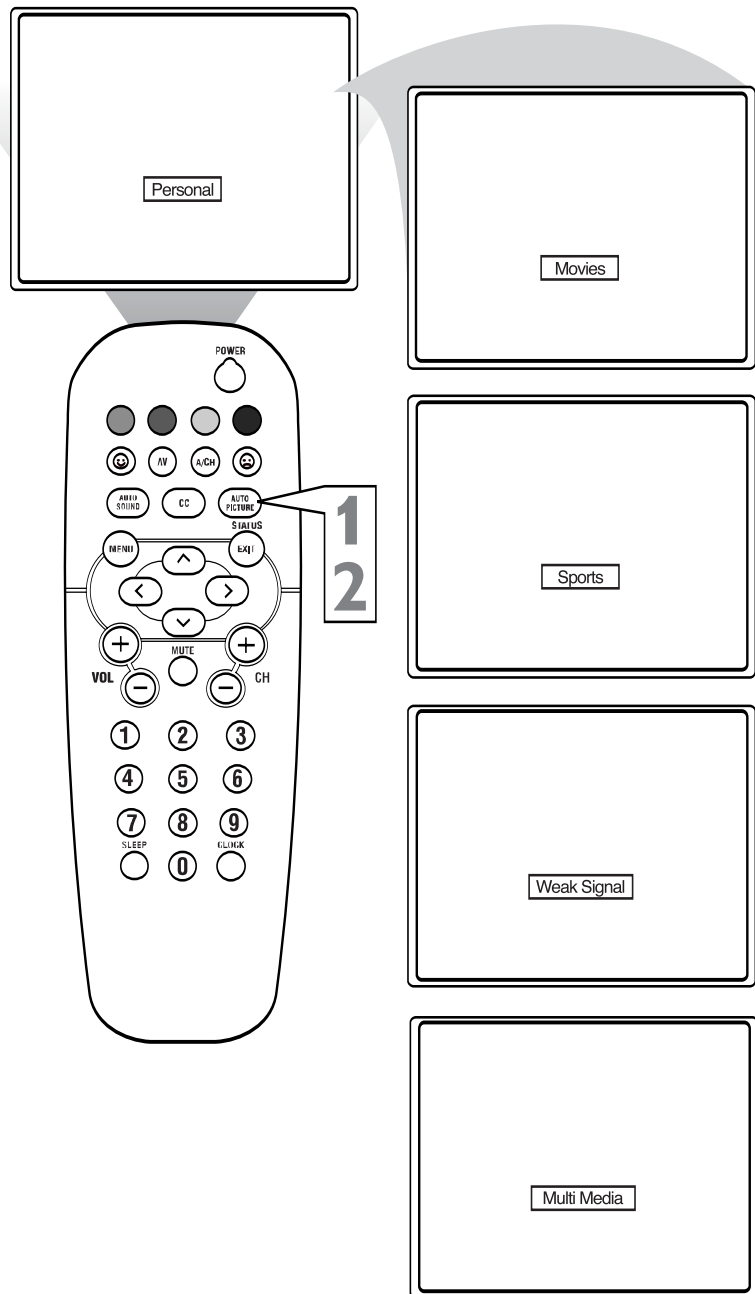
Note: The **PERSONAL** setting is the setting that you setup using the PICTURE options within the on-screen menu. This is the only Auto Picture setting that can be changed. All other settings are setup at the factory during the time of production.

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.

MULTI MEDIA - Preset picture options for use with video gaming.





HOW TO USE THE AUTO SOUND™ CONTROL

AutoSound™ allows you to select from three factory-set controls and a personal control that you set according to your own preferences through the onscreen Sound menu. The three factory-set controls (Voice, Music, and Theatre) enable you to tailor the TV sound so as to enhance the particular program you are watching. Follow these steps to select any of the options.

1 Press the **AUTO SOUND** button on the remote control. The current AutoSound™ setting will appear in the middle of the screen.

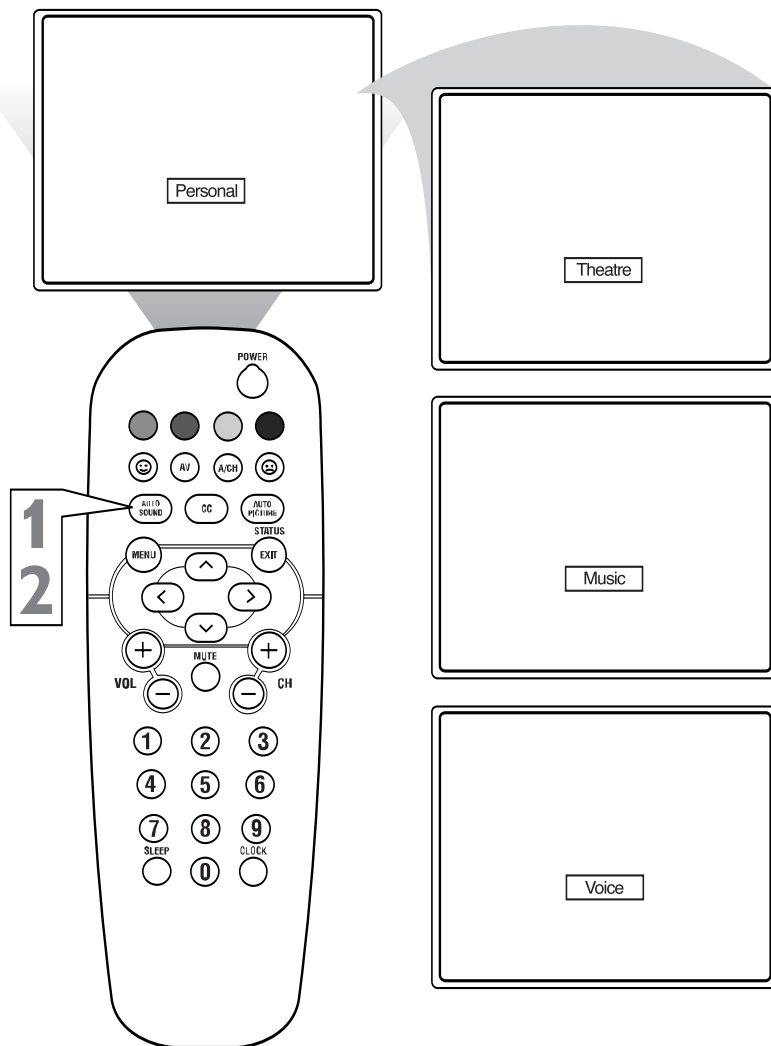
2 Press the **AUTO SOUND** button repeatedly to toggle among the four settings: **PERSONAL**, **VOICE**, **MUSIC**, or **THEATRE**.

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.





A “list” or series of previously viewed channels can be selected with the Quadra SURF (colored) buttons on your remote control. With this feature you can easily switch between different TV programs that currently interest you. The Quadra Surf 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.”

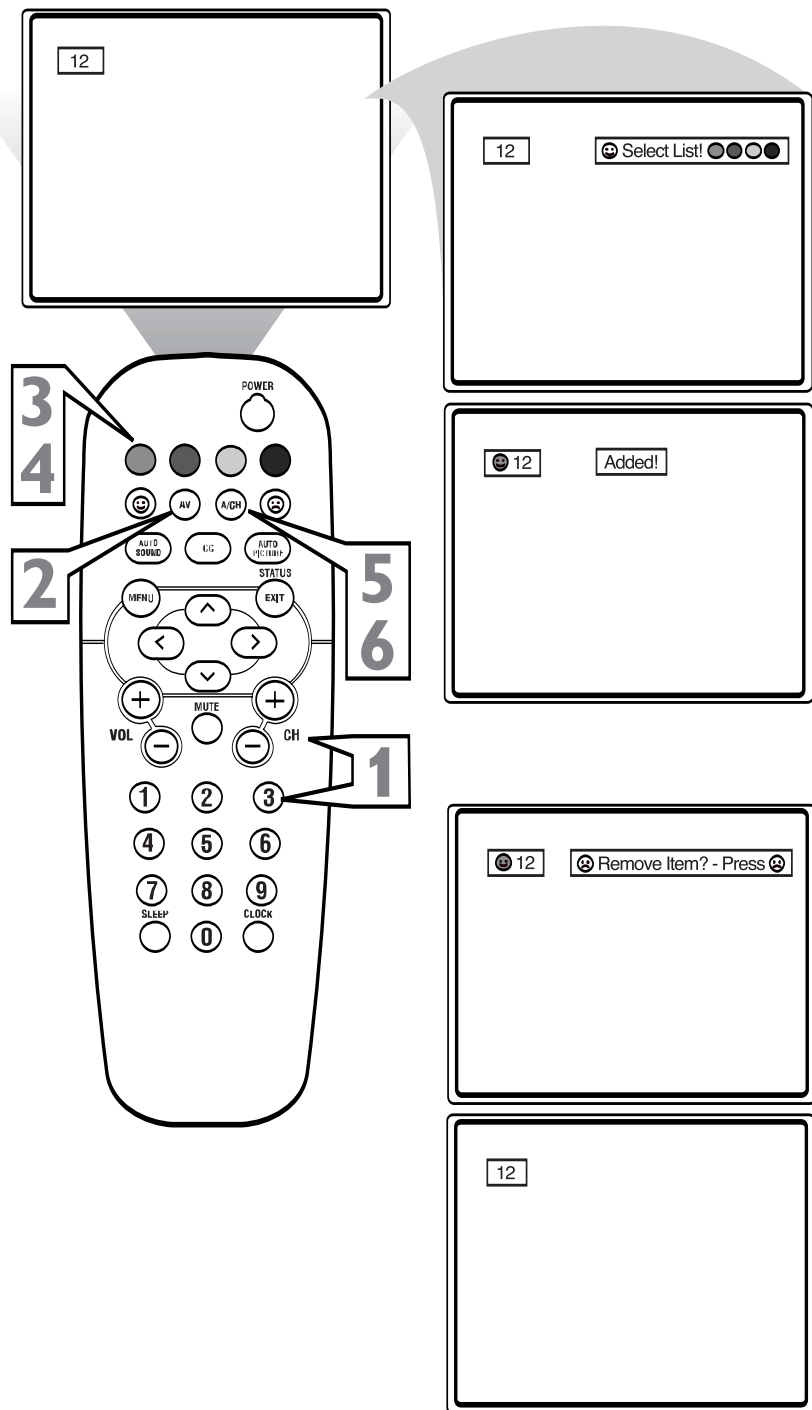
- 1** Press the CHANNEL (+) or (–) buttons (or the NUMBER buttons) to select a channel to add to one of the SURF lists.
- 2** Press the SMILEY ☺ button on the remote control to ADD the channel to one of the SURF lists.
- 3** Press the corresponding COLORED (Red, Green, Yellow or Blue) button to add the 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 the SURF lists.

To remove a channel from one of the SURF lists;

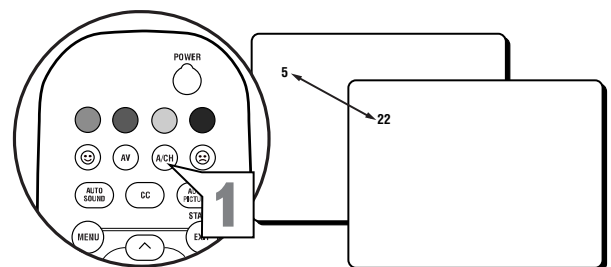
- 4** Press the COLORED Quadra Surf button until the desired channel appears. The screen will display the channel number with a colored “Smiley” face to indicate the Colored button it relates to.
- 5** While the “Smiley” face channel indicator is displayed, press the FROWNIE ☹ button. The screen will read, “Remove item? - Press ☹ .”
- 6** Press the FROWNIE ☹ 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 BUTTON

Press the A/CH button toggle between the present channel and the last previously viewed channel.





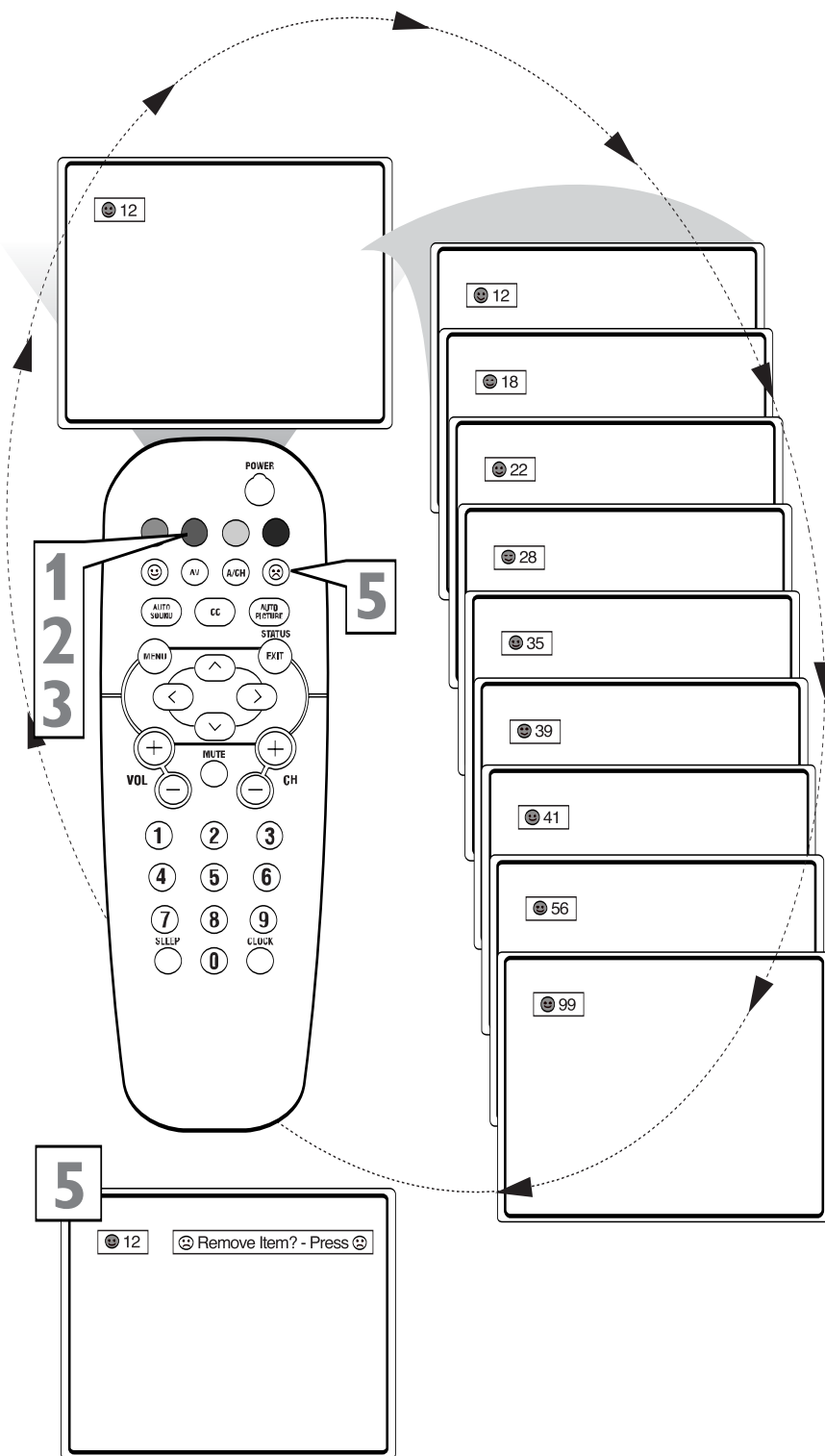
USING THE QUADRA SURF BUTTONS

The Quadra Surf 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 AV Input channels (AV, and CVI) for each button making them a “source” button for your external accessory devices.

Assuming channels have now been added to the four Quadra Surf 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).





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.
- Press the AV button on the remote to make sure the correct signal source is selected.

No Sound

- Check the VOLUME buttons.
- Check the MUTE button on the remote control.
- If you're attempting to hook up auxiliary equipment, check the audio jack connections located on the front of the TV.

Remote Does Not Work

- Check the batteries. If necessary, replace them with AA Heavy Duty (Zinc Chloride) or Alkaline batteries.

Remote Does Not Work Continued

- 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.



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.



Alternate Channel • Allows you to toggle between the last two channels viewed by pressing the A/CH button on the remote control.

Audio/Video Inputs • Jacks (standard RCA), located on the back of the TV, used for external accessory devices. These jacks are designed to receive higher picture resolution and offer sound-connection options.

Auto Programming • When activated, this feature scans for all available channels from regular antenna or cable signals and stores only active broadcast stations in the TV's memory.

Channel Edit • The feature that allows you to add or delete channels from the list of channels stored in the TV's memory.

Closed Captioning • The broadcast standard feature that allows you to read the voice content of television programs on the TV screen. Designed to help the hearing impaired, Closed Captioning shows dialogue and conversations while a TV program is in progress.

Coaxial Cable • A single solid 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.

Component Video Inputs • Inputs that allow the separate reception of blue, red, and luminance signals. These inputs provide the highest possible color and picture resolution in the playback of digital signal-source material, such as the kind available from DVD players.

Incredible Stereo (or Surround) • False acoustic management of the audio signal that produces a dramatic expansion of the wall of sound that surrounds the listener and heightens overall viewing pleasure.

Menu • An onscreen list of feature controls available for you to adjust or set.

Onscreen Displays (OSD) • The wording or messages generated by the television (or VCR) to help you with specific feature controls (color adjustment or programming, for example).

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

Second Audio Program (SAP) • An additional audio channel provided for in the Multichannel Television Sound (MTS) broadcast standard. A monaural soundtrack included within the recorded or video signal (usually containing a second language translation for the displayed programming).

Status/Exit Button • The remote control function that allows you to quickly confirm what channel number you are watching. Status/Exit can also be used to clear the television of onscreen displays or information. You can use Status/Exit rather than having to wait for the displays to "time out," or automatically disappear from the screen.

S-Video Input • Signal input that allows direct connection of high-resolution video sources, such as a satellite receiver, DVD player, S (Super)-VHS videocassette recorder, or video games. Provides improved picture resolution, sharpness, and clarity.

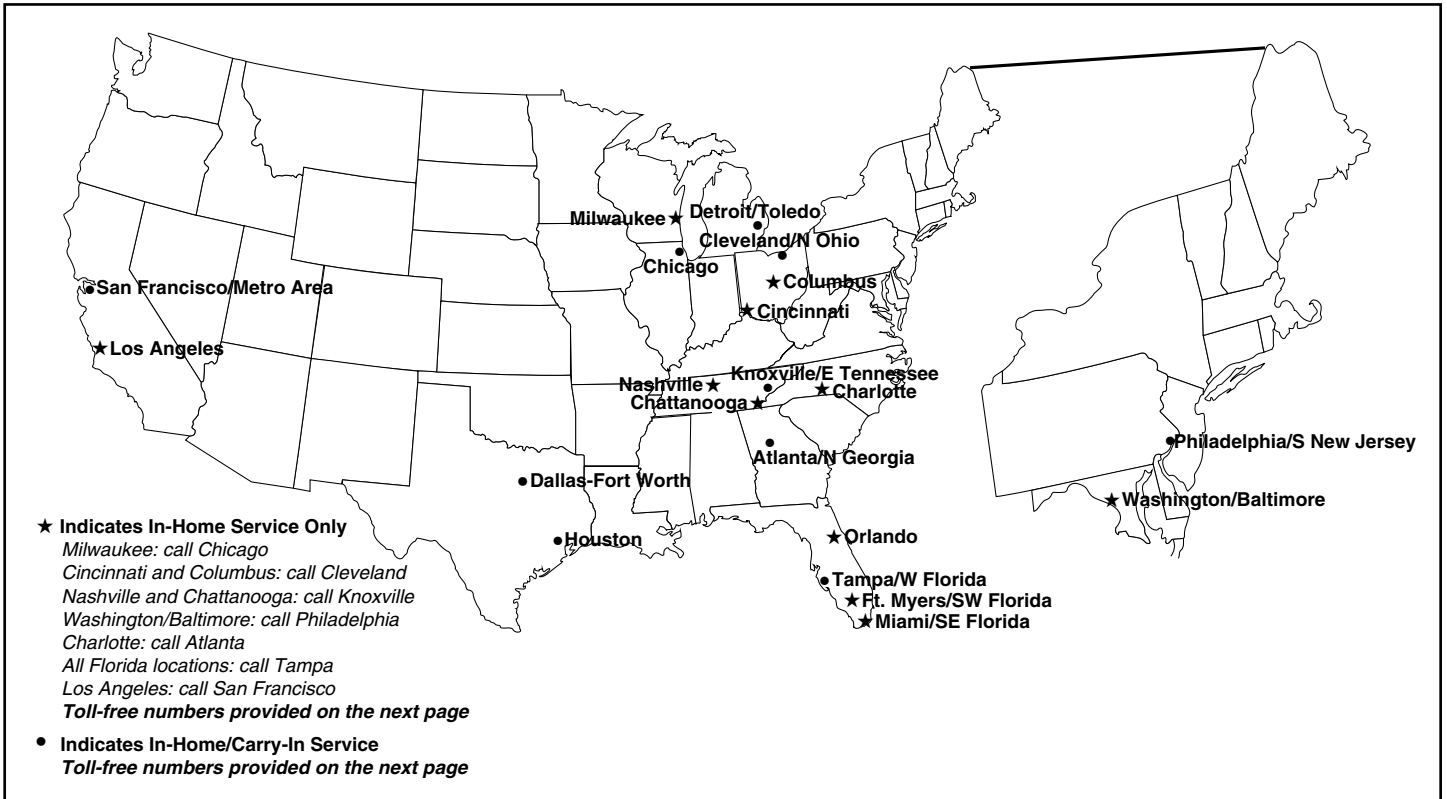
Tint • TV function that allows you to change the general color balance between cool and warm. Adjust tint according to your personal preference.



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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 la 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
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-FORT WORTH

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

CHICAGO

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

KNOXVILLE

Philips Factory Service
6700 D Papermill Rd.
Knoxville, TN 37919
800-821-1767

PHILADELPHIA

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

[illegible]

LIMITED WARRANTY

COLOR TELEVISION

90 Days Free Labor

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

This product must be carried in for service.

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.)

FOR WARRANTY COVERAGE IN CANADA...

Note: Product Warranty coverage may vary between countries where product is distributed by Philips Consumer Electronics Company. In order to receive full and specific warranty details for products sold and serviced in Canada, please contact Philips at:

1-800-661-6162 (from Canada - French Speaking)

1-800-531-0039 (English and Spanish Speaking)

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 Consumer Electronics Company, P.O. Box 520890, Miami, FL 33152, (402) 536-4171