Ci∩eos™ HDTV Monitor

Your Television's Directions for Use 44PL9523 55PL9523

Highlights

- Liquid-crystal-on-silicon (LCOS) High-definition Imaging
- High-resolution Display-1280 x 720 pixels

Features

- Digital Natural Motion[™]
- Active Control[™]—analyzes and adjusts incoming signal
- Two-tuner, Double-window PIP (Picture-in-Picture)
- Dolby[®] Virtual Surround, 40-watt RMS
- 3D Y/C Comb Filter
- HD Component and DVI Input
- Center Channel Audio Input
- Side AV Convenience Jacks
- Matching stand and swivel available

Refer to the Quick Use and Setup Guide (supplied with your TV) for information on basic connections, remote control button descriptions, on-screen menu language, and Autoprogram.





:ontro





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!"**

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.

PHILIPS

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,

Couvence J. Blanford

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!





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 groundingtype 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.

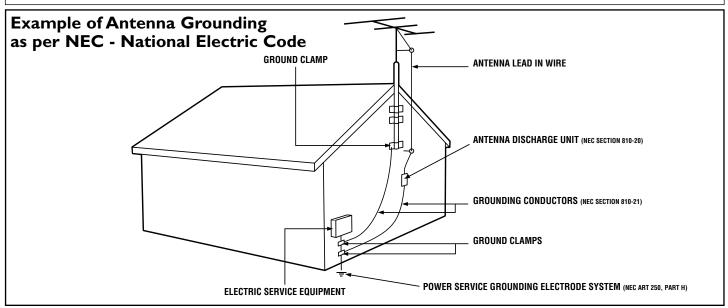
• Also, do not endanger yourself, or children, by placing electronic equipment/toys on the top of the cabinet. Such items could unsuspectingly fall from the top of the set and cause product damage and/or personal injury.

- **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.



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Compact design with low weight

The unique Philips single-panel liquid-crystal-on-silicon (LCOS) technology allows for a large screen TV with a very low depth and low weight. This TV will find a place in any living room without occupying a large area, and it can be easily handled by two persons.

Philips Single-panel LCOS Imaging System

The Philips single-panel LCOS technology produces unmatched high-resolution and flicker-free video with superb brightness. This technology enables a large-screen-size TV with low weight and shallow depth without any concerns for convergence or image retention.

Digital Natural Motion™

Digital Natural Motion[™] offers razor-sharp reproduction of movement and motion. Its unique and highly advanced processing calculates motion trajectories of moving picture elements. It corrects jerky movement from both studio programs or movie material.

Digital CrystalClear™

Digital CrystalClearTM—with Dynamic Contrast, comb filter, 9-bit processing, luminance enhancements, and color enhancements—offers a crisp and natural picture from any type or quality of source. The comb filter supports the picture demands of DVD players and other advanced high-resolution video sources.

ActiveControl[™] Plus

Active ControlTM Plus automatically analyzes the incoming signals from the Tuner, AV1, AV2, and Side video inputs 50 times per second and adjusts key picture settings. In addition to measuring picture noise, this feature uses an ambient light sensor to adjust the picture settings according to viewing conditions in the room.

Dolby* Virtual Surround

Dolby processing circuitry provides an enhanced cinema surround sound effect without the need for rear speakers.

Double-window, Two-Tuner PIP

Your TV features double-window, two-tuner PIP with second tuner double window. The TV also has single PIP (free positioning), as well as threefold and sixfold side PIPs. In addition, you get photo finish, freeze Main, and freeze PIP. Replay lets you play back the previous few seconds in a PIP screen—if you missed the action, replay it as much as you want.

Audio/Video (A/V) Jack Panel

The A/V jack panel allows direct connections with VCRs, DVDs, high-definition receivers, or other devices, providing quality TV picture and sound playback.

Audio Volume Leveler (AVL) Control

AVL keeps the TV sound at an even level. Peaks and valleys that occur at commercial breaks or during program changes are reduced, providing a more consistent, comfortable sound.

V-Chip (with Channel Lock)

The V-Chip feature (with Channel Lock) will allow you to block the viewing of channels or programs with certain ratings, and thus prevent your children from watching inappropriate materials.

Autoprogramming

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

Surf Button

Philips Auto Surf[™] allows you to easily switch between only the channels that are of interest to you. Surf allows two-channel surfing or nine-channel surfing.

Items Included with This TV

As you unpack your TV, please note the included items:

- Quick Use and Setup Guide to help you set up your new TV.
- Directions for Use manual—contains information on safety, set maintenance, Factory Service Center locations, and product warranty
- Warranty Registration Card
- Remote Control (with supplied batteries).

Please take a few minutes to complete your registration card. The serial number for the TV is on the rear of the set. For your future reference, please write down the serial and model number of this television in the space provided on the warranty page at the back of this manual. (In the unlikely event you should need to place a service call, these numbers will be needed.)

End-of-Life Disposal

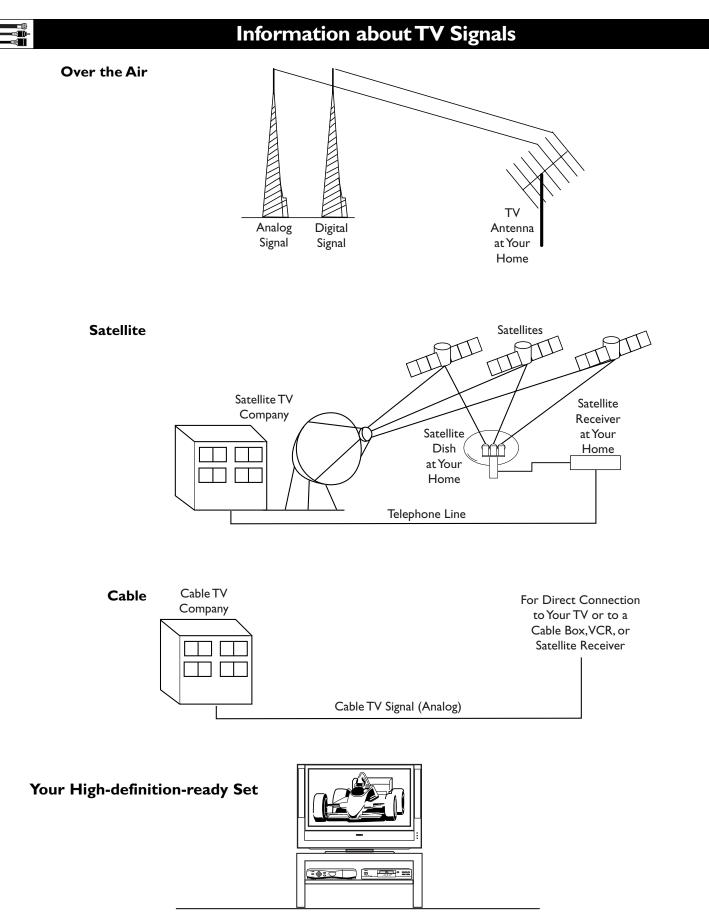
Your new television and its packing contain materials that can be recycled and reused. Specialized companies can recycle your product to increase the amount of reusable materials and minimize the amounts that need to be properly disposed of. Your product also uses batteries that should not be thrown 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.

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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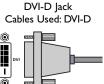
High-definition television offers a picture with unprecedented crispness and clarity. The TV broadcast industry is moving toward high definition as the signal standard. Currently, the number of programs being broadcast in high definition is limited, but this is changing. To view high-definition programs on your TV, you will need to connect a satellite receiver, cable box, or set-top box that can decode HD signals.

Descriptions of Jacks, Cables, and Connectors

This page contains descriptions and illustrations of jacks, cables, and connectors you might use in making connections. The cables and connectors are not supplied with your TV, but you can purchase at your electronics dealer. Or you can order them by calling our Customer Care Center at 1-800-531-0039.

DVI-D Input Connector Cable used: DVI-D

This jack works only with DVI TMDS (Transition Minimized Differential Signaling) digital video. Allows encrypted transmissions of uncompressed digital content. The DVI-D jack used in this product is not for computer connections.



Component Video Jacks Cables Used: Component

Video with RCA-type

Phono Plugs

S-VIDEO Jack

Cable Used: S-Video

() 🔿 📢 S-VIDEO

Component Video Input Jacks Cables used: component video with RCA-type phono plugs

Allow you to connect accessory devices such as DVD players. Separating the video into three signals, these inputs provide excellent quality. Be sure to connect the left and right audio cables, because the Y, Pb, Pr jacks receive only the picture signal.

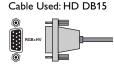
NOTE: See the "Helpful Hint" on page 13 for more information.

S-Video Input Jacks Cable used: S-Video

Provide a higher quality picture than the Video (composite) jacks because the color part of the picture is separated from the black and white portion. Be sure to connect the left and right audio cables, because the S-Video jacks receive only the picture signal.

RGB+HV Input Connector Cable used: HD DB15

Allows you to connect equipment with RGB or VGA output..



VGA/HD15 lack

Video (called "CVBS" or "composite") Input Jack Cable used: Video with RCA-type phono plugs

Provide better picture performance than the antenna RF input. Be sure to connect the audio cables, because the video jacks receive only the picture signal.

Your TV also has a monitor output ("MON OUT") video ("V") jack. Use a video cable with RCA-type phono plug to make connections.

Video (Composite) Jack Cable Used:Video with RCA-type Phono Plugs



Tuner (RF) Input Jack

Cables used: RF coaxial cable (75 Ω)

Allows you to connect an antenna, cable TV, or components having RF outputs to the antenna input on the TV. RF coaxial cables are available in push-on or screw-on type.

Antenna RF Jack Cable Used: RF Coaxial (75Ω)



Push-on Type Cable Or Screw-on Type Cable

Signal Splitter

Allows you to route an antenna or cable TV signal to two inputs.

Signal Splitter Cables Used: RF Coaxial (75Ω)



300- to 75-ohm Twin-lead Adapter

Accepts twin-lead wires from an antenna and allows connection to the antenna input on the TV. If your antenna is already equipped with an RF coaxial cable you will not need this adapter.



Audio Jacks

Cables Used: Audio

with RCA-type

Phono Plugs

300- to 75-ohm



Audio Input Jacks Cables used:Audio with RCA-type phono plugs

Provide sound for the video inputs. If your accessory device has only one output for audio, connect it to the left (color coded white) audio jack on the TV.

Your TV also has monitor output ("MON OUT") audio ("L" and "R") jacks and a subwoofer output jack. Use Audio cables with RCA-type phono plugs to make connections.

3.5mm Stereo Mini Phone Plug to RCA Jack Adapter

Allows a connection between the 3.5mm stereo audio out jack on a computer and the left and right audio inputs on the television. Connect A/V cables with RCA-type phono plugs to the adapter, then to the TV.

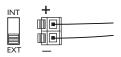




Center Channel Amp Speaker Terminals (+ and –)

Allow a connection from a surround sound receiver. Set the EXT/INT switch to EXT to use the TV speakers as the center speakers in a surround sound arrangement.

Center Channel Amp Speaker Terminals (for the connection of speaker wires)



Panel Jack Compatibility Information



AV 1 Input Jacks

Signals accepted: NTSC (480i). Inputs available: YPbPr, S-Video (Y/C), and CVBS, plus audio left and right.

Use only one of the video signal inputs at a time. If you should forget and have more than one type of signal connected, the set will automatically show the one of better quality: CVBS-good, S-Video-better, and YPbPr-best. For sound, connections must be made to the AV1 audio inputs.

MON OUT Output Jacks

Provide video and audio output signals from all TV when those sources are being viewed on the main screen. Output from the audio L/R jacks is at a fixed volume level; changing the TV volume does not affect them. Adjust the volume at your external home cinema system.

AV 2 Input Jacks

Signals accepted: NTSC (480i). Inputs available: S-Video (Y/C) and CVBS, plus audio left and right.

Use only one of the video signal inputs at a time. If you should forget and have both types of signal connected, the set will automatically show the S-Video, since it is of better quality than CVBS. For sound, connections must be made to the AV2 audio inputs.

SUB OUT Output Jack

Provides a signal to an external powered subwoofer.

AV3 Input Jacks

Signals accepted: NTSC (480i), 480p, 720p, and 1080i, plus audio left and right. Inputs available: YPbPr, plus audio. For sound, connections must be made to the AV3 audio inputs.

AV4 Input Jacks

Signals accepted: NTSC (480i), 480p, 720p, and 1080i, plus audio left and right. Inputs available: YPbPr, plus audio. For sound, connections must be made to the AV4 audio inputs.

TUNER Input Jack

Signals accepted: RF modulated NTSC. Inputs available: 75Ω RF coaxial.

AV5 Input Connector

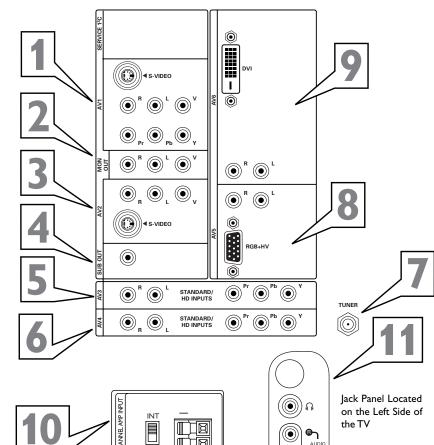
Signals accepted: NTSC (480i), 480p, 720p, 1080i and VG plus audio left and right. Inputs available: RGB+HV. For sound, connections must be made to the AV5 audio inputs.

AV6 Input Connector

Signals accepted: Digital only (TMDS [Transition Minimized Differential Signaling] encoded, uncompressed); DVI 480i, 480p, 720p, and 1080i, plus audio left and right.

Inputs available: DVI TMDS, plus audio. For sound, connections must be made to the AV6 audio inputs.

Intended use of the input: digital set-top boxes and inputs from other digital video devices. NOTE: This DVI jack is not for computer connections. VGA cannot be connected.



Speaker Terminals and EXT(ernal)/INT(ernal) Speaker Switch Located on the Back Left Side of the TV

EXT

Definitions:

NTSC-National Television System Committee.

CVBS-labeled "V," provides a small step up in quality from the Tuner (RF) input. Called Composite Video.

+

S-Video (Y/C)-provides better picture quality than CVBS. Separates the signal into color and brightness.

YPbPr-provides the best quality video signal. Called Component Video Input, the signal is split into three parts, two color and one brightness.

CENTER CHANNEL AMP

INPUT Click-fit Terminals Provides speaker-wire input terminals for connection of an external home-cinema surround-sound system amplifier. For this use, set the switch to "EXT," and the TV speakers become the center speakers for the home-cinema surroundsound system.

NOTE: If no audio is heard from the set, check to make sure the Center Channel Amp switch is in the INT position. This switch should be in the EXT position only when an external center channel input is connected to the Click-fit Terminals.

SIDE JACK PANEL

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Signals accepted: Analog NTSC (480i).

Inputs available: S-Video (Y/C) and CVBS, plus audio left and right.

Output available: Headphone. Only one of the inputs can be used at a time. Select the Side source, and the TV detects the input to which you have connected. Connections must be made to the audio inputs for sound.

8

Pre-connection Recommendations



Before connecting accessory devices—VCR, DVD player, or HD satellite receiver, for example—please keep the following in mind:

- Place the TV on a flat surface. An unlevel surface may adversely affect picture performance.
- Do not place the TV on shag carpet or any surface that will block the ventilation openings at the bottom of the set. Blockage will cause the TV to overheat and shut down.
- Allow 4 to 6 inches of space behind the TV for ventilation.
- An optional swivel and an optional stand are available for use with your TV. See your electronics dealer.
- Test various locations in the room to find the optimal spot to locate the set for best viewing.
- Do not place the TV in direct sunlight or near a heating appliance.
- Do not expose the TV to rain or moisture.
- To prevent any unsafe situations, do not place objects on top of the TV.

Providing Protection Against Power Surges

- Connect all accessory devices before you plug any of their power cords into the wall outlet or power strip. NEVER plug your TV into an outlet that is controlled by a wall switch.
- Turn off the TV and/or accessory devices before you connect or disconnect any cables.
- Ensure that all antennas and cables are properly grounded. See page 3, "Important Safety Instructions."

Protecting Accessory Devices from Overheating

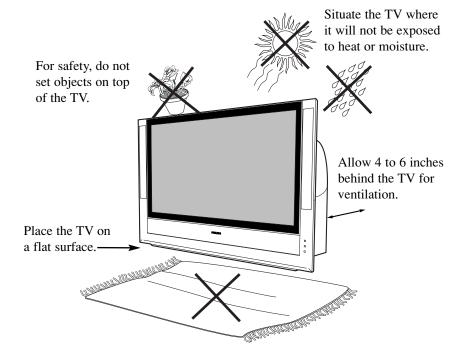
- Arrange accessory devices so that air can circulate freely around them.
- Don't stack the accessory devices. Arrange them to allow for good ventilation. The optional Philips stand provides enough room for two accessory devices, side by side.
- If you connect an audio receiver or amplifier, place it on the top shelf so the heated air from it will not flow around other components.

Connecting Cables

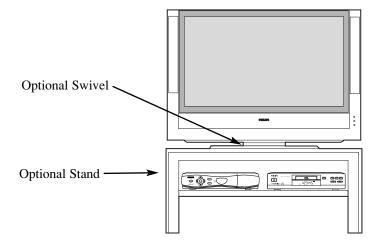
Be sure to insert each cable firmly into the correct jack.

Using the Connection Examples in This Manual

The accessory device jack panels shown are for example purpose only. The jack panels on your accessory devices may look different. Also, note that connections can be made in various ways. The examples are presented only as guides.



Do not place the TV on a surface that will block the air filters located underneath the set.

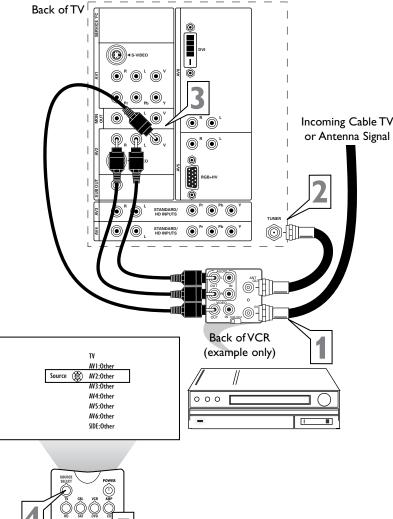


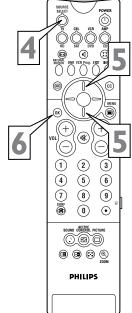
Connecting a VCR

- Connect the incoming antenna or cable TV signal to the ANT IN jack on the back of the VCR.
- Using a coaxial cable, connect to the OUT jack on the back of the VCR and to the TUNER jack on the back of the TV.
- Using A/V cables, connect from the AUDIO and VIDEO OUT jacks on the back of the VCR to the corresponding AV2 audio (L and R) and video (V) jacks on the back of the TV.
- Press the Source Select button on the remote control to access the Source list.
- Press the Cursor Up or Down button to select the AV2 input source.
- Press the OK button to confirm your choice. The set is now switched to the AV2 input source for the viewing of programs from the VCR.
 - NOTE: Since you've connected the cable TV signal directly to the TV's tuner (step 2 above), you can watch the unscrambled programs by simply tuning to the desired channel. To store channels in the TV's memory, you must use Autoprogram, which you can access through "Install" in the TV's on-screen menu. See the Autoprogram section in the Quick Use and Setup Guide that came with the TV. If you use Autoprogram, you can select channels by pressing the CH + or – buttons on the TV remote control (in TV mode). Otherwise, you must press the digit (number) buttons to tune directly to the channel you desire.

HELPFUL HINT

Color Coding Used on Jacks and Plugs to simplify connections: Yellow: Video (Composite Video) Red: Right Audio White: Left Audio.





Connecting a VCR and Cable Box



NOTE: A cable box with AUDIO OUT jacks such as the one used in the example on this page might pass stereo sound to the TV. Check with your cable TV company. The RF jack output jack on a cable box (commonly labeled "OUT TO TV," "OUTPUT," or "OUT") will not pass stereo sound to your TV.

> Connect the incoming cable TV signal to a two-way signal splitter. The signal splitter enables you to route the cable signal to the TV without using the OUT TO TV jack on the cable box, which will not pass stereo sound to the TV.

Using a coaxial cable, connect to one of the connectors on the signal splitter and to the TUNER jack on the back of the TV.

Using a coaxial cable, connect to the other connector on the signal splitter and to the CABLE IN jack on the back of the cable box.

Using Audio/Video cables, connect to the AUDIO and VIDEO OUT jacks on the back of the cable box and to the corresponding AUDIO and VIDEO IN jacks on the back of the VCR.

Using Audio/Video cables, connect to the AUDIO and VIDEO OUT jacks on the back of the VCR and to the corresponding AV2 audio (L and R) and video (V) input jacks on the back of the TV.



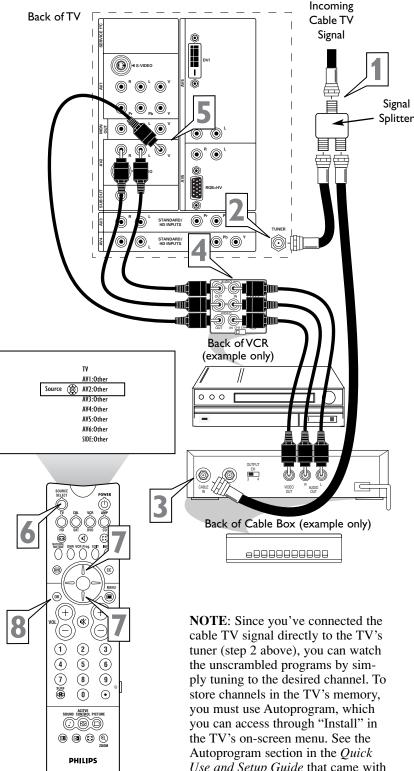
Press the Source Select button on the remote control to access the Source list.

Press the Cursor Up or Down button to select the AV2 input source.

Press the OK button to confirm your choice. The set is now switched to the AV2 input source for the viewing of programs from the cable box or the VCR.

HELPFUL HINT

Color Coding Used on Jacks and Plugs to simplify connections: Yellow: Video (Composite Video) Red: Right Audio White: Left Audio.



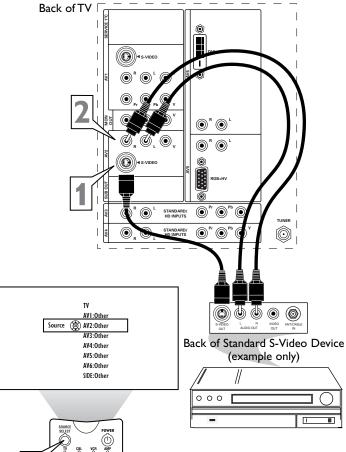
Use and Setup Guide that came with the TV. If you use Autoprogram, you can select channels by pressing the CH + or - buttons on the TV remote control (in TV mode). Otherwise, you must press the digit (number) buttons to tune directly to the channel you desire.

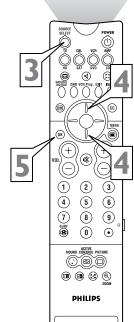
Connecting an S-Video Device

- - Using an S-Video cable, connect to the S-Video output on the back of the S-Video device and to the AV2 S-VIDEO input.
 - Using Stereo Audio cables, connect to the AUDIO OUT jacks on the back of the S-Video device and to the corresponding AV2 audio inputs (L and R).
 - Press the Source Select button on the remote control to access the Source list.
 - Press the Cursor Up or Down button to select the AV2 input source.
 - Press the OK button to confirm your
 choice. The set is now switched to the
 AV2 input source for the viewing of programs from the S-Video device.

HELPFUL HINT

To simplify making connections, the connectors on audio and video cables are often color coded to match the colors on TV jacks, red for right, and white for left.





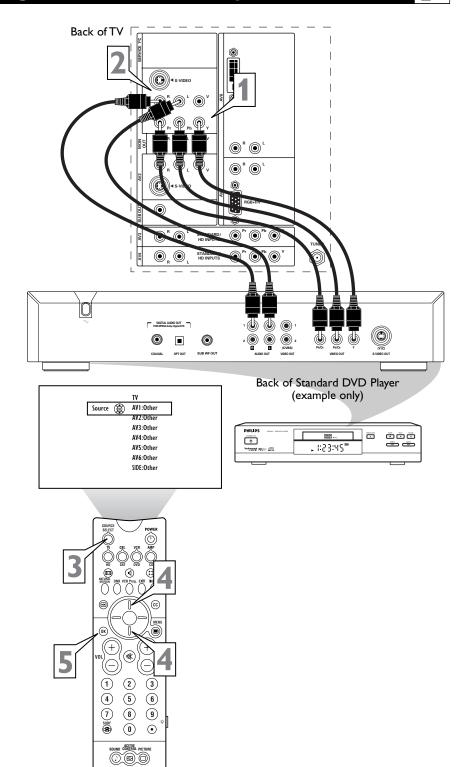
12

Connecting a Standard DVD Player

- Using Component Video cables, connect to the YPbPr jacks on the back of the standard DVD player and to the AV1 YPbPr jacks on the back of the TV.
- Using Stereo Audio cables, connect to the AUDIO OUT jacks on the back of the DVD player and to the corresponding AV1 audio (L and R) jacks on the back of the TV.
- **3** Pre rem list.
 - Press the Source Select button on the remote control to access the Source list.
 - Press the Cursor Up or Down button to select the AV1 input source.
 - Press the OK button to confirm your choice. The set is now switched to the AV1 input source for the viewing of programs from the DVD player.

HELPFUL HINTS

- If you do not know whether your DVD player is standard or progressive scan, you can connect it to either AV3 or AV4, and the TV will automatically determine the type of output.
- To simplify making connections, the connectors on audio and video cables are often color coded to match the colors on TV jacks: green for Y, blue for Pb, and red for Pr; also red for right audio, and white for left audio.
- The names for the component video jacks may differ depending on the DVD player or accessory digital source equipment used. For example, besides YPbPr, you may see R-Y/B-Y/Y; or CrCbY. Although abbreviations and terms may vary, the letters *B* and *R* stand for the blue and red color component signal connectors, respectively, and *Y* indicates the luminance signal. If necessary, refer to the user manual for your DVD or digital accessory for more information.
- If you experience difficulties receiving sound with a DVD disc, check the sound settings through the DVD disc's menu.



• • • •

PHILIPS

Connecting a Progressive-scan DVD Player

-40

Using Component Video cables, connect to the YPbPr jacks on the back of the progressive-scan DVD player and to the AV3 YPbPr jacks on the back of the TV.

Using Stereo Audio cables, connect to the AUDIO OUT jacks on the back of the DVD player and to the corresponding AV3 audio (L and R) jacks on the back of the TV.

If your DVD player has an I/P switch on the back, be sure it is set to the "P" position for progressive-scan mode. **NOTE:** Some DVD players have an I/P switch on the back, while others may allow the user to change the mode by pressing a button on the DVD player's remote control or by using the DVD player's on-screen menu. Also, some DVD players have dedicated progressive-scan output jacks that are labeled as such and require no switching by the user. See the user manual for your DVD player for more information on placing the player in progressive-scan mode.

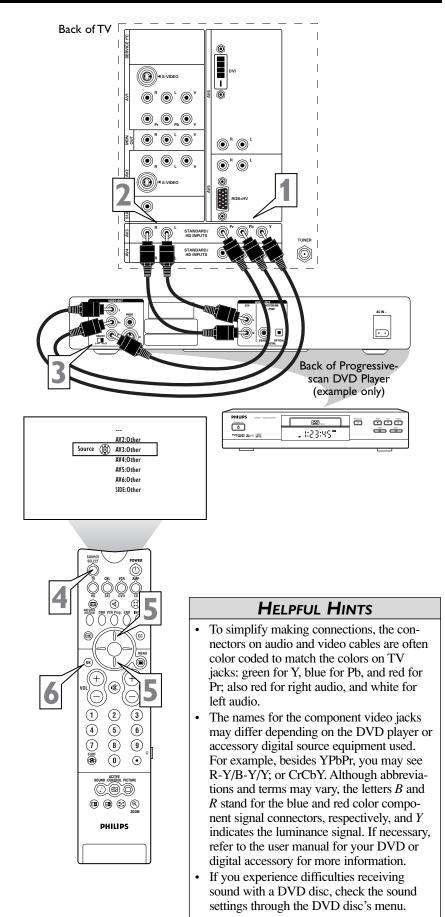
Press the Source Select button on the remote control to access the Source list.

Press the Cursor Up or Down button to select the AV3 input source.

Press the OK button to confirm your choice. The set is now switched to the AV3 input source for the viewing of programs from the DVD player.

HELPFUL HINT

Inputs AV3–AV6 allow horizontal and vertical picture panning using the Cursor Left, Right, Up, and Down buttons. The Side input allows vertical picture panning; left and right panning with the Side input is possible when the input has been labeled "Game." See pages 18 and 19 for details on side panel connections and source labeling.



Connecting an HD Satellite Receiver to YPbPr

- Using Component Video cables, connect to the YPbPr jacks on the back of the HD satellite receiver and to the corresponding AV4 YPbPr jacks on the back of the TV.
- Using Stereo Audio cables, connect to the AUDIO OUT jacks on the back of the HD satellite receiver and to the corresponding AV4 audio (L and R) jacks on the back of the TV.

Refer to the user manual for the HD satellite receiver to complete the connections to the HD satellite receiver and to use the HD satellite receiver's on-screen setup menus.

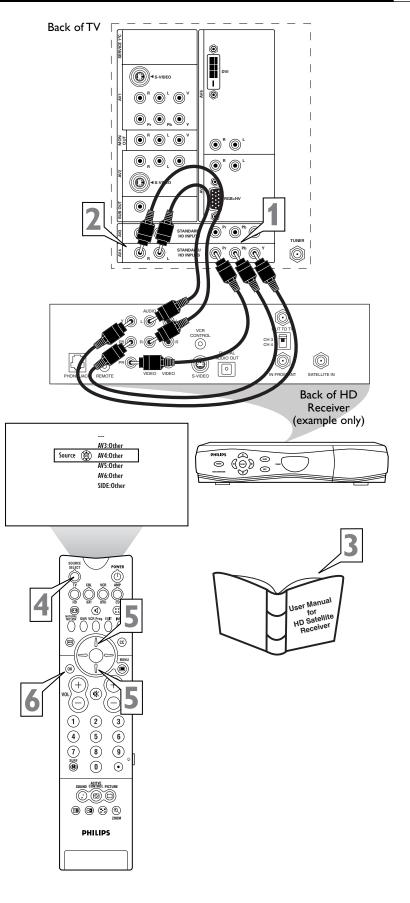
After completing HD satellite receiver connections and setup through the onscreen setup menus, press the Source Select button on the TV remote to access the Source list.

Press the Cursor Up or Down button to select the AV4 input source.

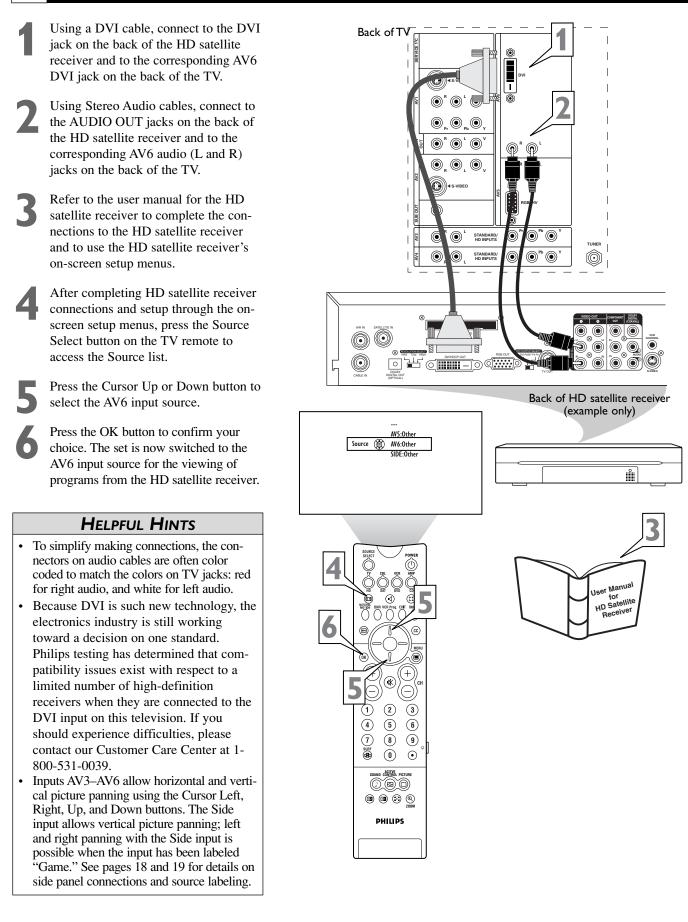
Press the OK button to confirm your choice. The set is now switched to the AV4 input source for the viewing of programs from the HD satellite receiver.

HELPFUL HINTS

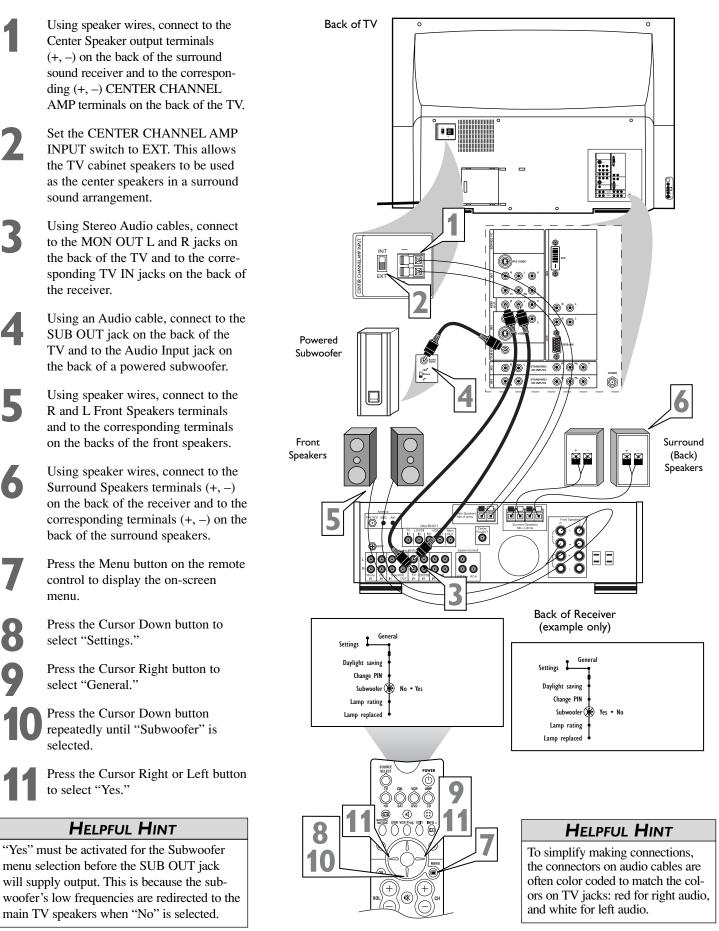
- To simplify making connections, the connectors on audio and video cables are often color coded to match the colors on TV jacks: green for Y, blue for Pb, and red for Pr; also red for right audio, and white for left audio.
- The names for the component video jacks may differ depending on the DVD player or accessory digital source equipment used. For example, besides YPbPr, you may see R-Y/B-Y/Y; or CrCbY. Although abbreviations and terms may vary, the letters *B* and *R* stand for the blue and red color component signal connectors, respectively, and *Y* indicates the luminance signal. If necessary, refer to the user manual for your DVD or digital accessory for more information.
- Inputs AV3–AV6 allow horizontal and vertical picture panning using the Cursor Left, Right, Up, and Down buttons. The Side input allows vertical picture panning; left and right panning with the Side input is possible when the input has been labeled "Game." See pages 18 and 19 for details on side panel connections and source labeling.



Connecting an HD Satellite Receiver to DVI



Connecting Surround Sound Equipment

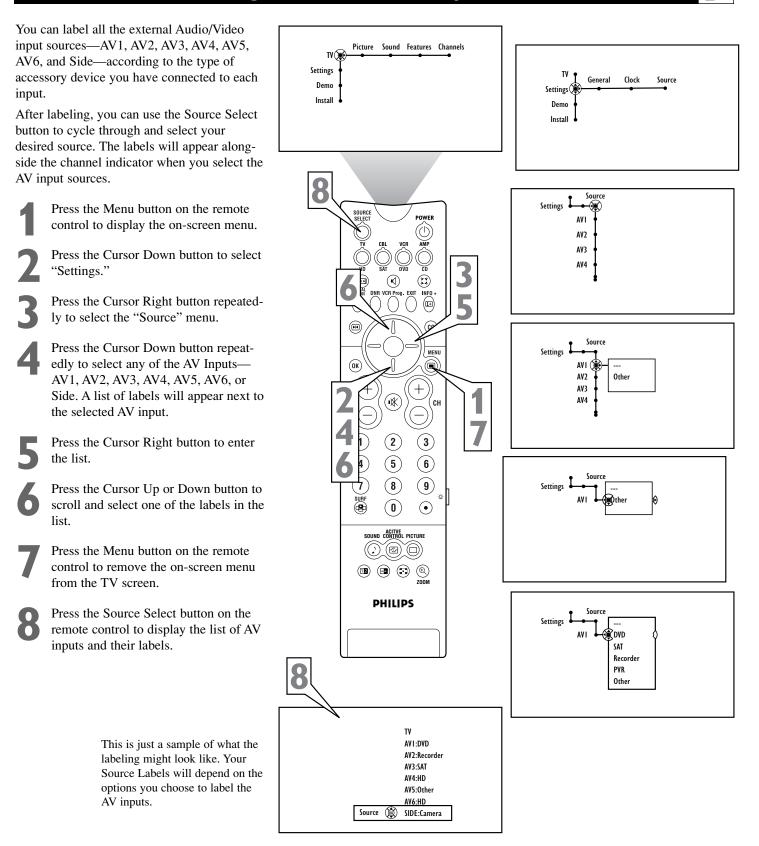


Connecting to the Side Inputs: Video Game System

Using the Audio/Video cable supplied with your video game system, connect to the back of the game system and to the corresponding S-VIDEO and AUDIO (L and R) jacks in the Side Panel on panel of the TV. Side of TV NOTE: If your game system cable does not have an S-Video plug, you can instead make a regular Video connection. \bigcirc Press the Source button on the TV remote control to access the Source ۲ list. \bigcirc Press the Cursor Up or Down button to ۲ select the Side input source. ۲ Press the OK button to confirm your You can label the Side choice. The set is now switched to the Audio/Video input source "Game" Side input source for the viewing of if you would like. See page 19 for your video game system. details on labeling. **HELPFUL HINTS** AV6:Other Source 🕅 SIDE:Other To simplify making connections, the connectors on audio and video cables are Back of Game System often color coded to match the colors on (example only) TV jacks: yellow for video (composite), red for right audio, and white for left audio. Inputs AV3-AV6 allow horizontal and vertical picture panning using the Cursor Left, Right, Up, and Down buttons. The Side input allows vertical picture panning; left \bigcirc and right panning with the Side input is possible when the input has been labeled "Game." See page 19 for details on source labeling. (2) (3) The side panel is also (4) (5) (6) convenient for con-1 (8) 9 necting equipment SURF $(\mathbf{0})$ \odot such as camcorders or cameras. If the equip-CONTRO $\bigcirc 0 0$ ment has an S-Video • • • • Camcorder output jack, it is the PHILIPS suggested one to use for your connection to receive the best picture. Otherwise, you can make a regular Video connection. You must also make an audio connection (L and R for stereo or L for mono) to receive sound. Neither an S-Video or Video cable carries a

sound signal.

Labeling the Audio/Video Input Sources





REMOTE CONTROL BUTTONS

Source Select

Press to display a list of input source options—TV, AV1, AV2, AV3–AV6, or Side. Use the Cursor Up/Down buttons to select the an item, then press the OK button to confirm. The source becomes active on the TV screen.

Mode (TV, CBL, VCR, AMP, HD, SAT, DVD, or CD)

Press one of these buttons to use the remote control in the TV, CBL, VCR, or AMP mode as indicated above the button. A green indicator lights up. Press the same button again more than 1 second to use the remote control in the mode indicated below the button (HD, SAT, DVD, or CD). A red indicator lights up. Press the button again more than 1 second to return to the function named above the button. (See pages 22–23 in the *Directions for Use.*)

Picture Format

Press to display a list of available picture formats. Press this button repeatedly to select another picture format. Choose from Automatic, Super zoom, Panoramic, 4:3, Movie expand 14:9, Movie expand 16:9, 16:9 subtitle, and Wide screen. (See pages 35–36 in the *Directions for Use.*)

NOTES:

- With AV3–AV6 connections, the Automatic picture format option is not available.
- In Dual-screen mode, press the Picture Format button to switch between a full or 4:3 letterbox picture format.

Natural Motion[™]

This button is not applicable to the Cineos Television. Select the Digital Natural MotionTM option through the on-screen menu. (See page 30 in the *Directions for Use.*)

Freeze Format

Pressing will apply one of the Freeze modes.

NOTE: The Freeze mode must be set using the TV's on-screen menu. **Freeze** mode stops action in the main screen. Sound will continue to be

heard. Press again to resume normal viewing.

Replay mode displays a few seconds of stored video in the PIP window.

Photo Finish mode displays six stored frames from the picture. Continuing to hold the Freeze Format button down will cycle the TV through the Freeze modes: Freeze, Replay, and Photo Finish. (See page 61 in the *Directions for Use.*)

DNR (Dynamic Noise Reduction)

Press this button repeatedly to select Off, Minimum, Medium, or Maximum. (See page 32 in the *Directions for Use.*)

ОК

Press to activate your choice or to confirm settings when in the menus.

Volume (VOL)

Press + or - to adjust the volume.

Mute

Press to interrupt or restore sound.

Surf (AutoSurf[™])

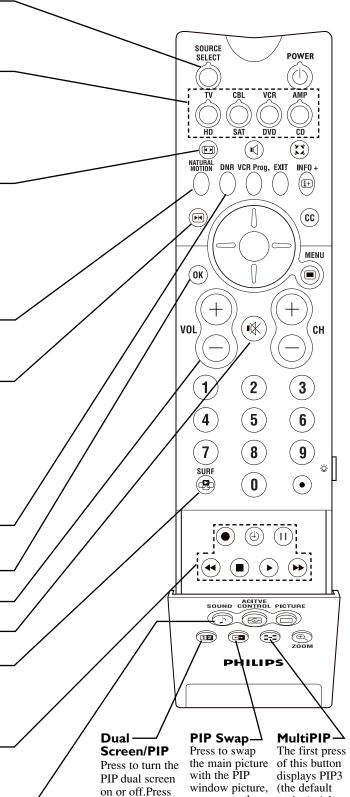
If you set the Surf control in the TV's on-screen menu to two channels, this button will allow you to toggle between the current channel and the last viewed channel. If you choose the nine-channel Surf, pressing this button allows you to add and scroll up to nine of your favorite channels. (See page 58 in the *Directions for Use.*)

VCR/DVD

When the remote is in the VCR or DVD mode, these buttons will allow you start a recording (\bigcirc) , rewind a tape (\checkmark) , stop the playback of a tape (\blacksquare) , play a videotape (\blacktriangleright) , fastforward a videotape (\frown) , use the VCR timer (O), or pause the playback of a videotape (\frown) . (See page 26 in the *Directions for Use.*)

Sound (AutoSound[™])

Press to select the next item in the AutoSoundTM menu. The factory-set options are Speech, Music, Movies, and Multimedia, each corresponding with specific settings of treble and bass. You can also select the Personal option, which is based on the adjustments you make through the Sound menu. (See page 46 in the *Directions for Use*.)



or to swap the

left and right

mode. Press

screens when in

Dual Screen PIP

again to restore

pictures to their

original position.

and hold the but-

through the Dual

ton to cycle

Screen/PIP

options. (See

pages 58-59 in

the Directions

for Use.)

option). A long

press of the

button cycles

through PIP3

Another press

turns PIP off.

and PIP6.

20

REMOTE CONTROL BUTTONS



Power-Standby

Press to turn the TV on or off. **NOTE:** The TV is never powered off completely unless it is unplugged.

Alternate Audio

When you tune to a channel where SAP (Second Audio Program) is available, you can toggle between Main and SAP. If not available, only Main can be selected. (See page 42 in the *Directions for Use*.)

Surround Sound

Press to toggle the sound modes Incredible Surround[™] and Dolby* Virtual. (See page 41 in the *Directions for Use.*)

VCR Prog (functional only in VCR mode)

Many VCRs have an automatic programming function. If your VCR has this function, the universal code set will assign it to this function. (See page 26 in the *Directions for Use.*)

INFO +

Press to display (when available) information about the current channel, program, source, number or name, local time, CC availability, SAP availability, program ratings, display format, sound mode, and remaining length of a Sleeptimer setting.

EXIT

Press this button to exit the menus provided by universal devices such as VCRs, satellite receivers, DVD players, and so forth.

CC (Closed Captioning)

Press to select On, Off, or On with Mute. (See page 47 in the *Directions for Use.*)

Cursor Up, Down, Right, and Left

Use to navigate the on-screen menu and make control adjustments or settings. Additionally, use these buttons to pan the screen up or down to show any excluded parts of the picture. Left or right panning is possible with the Side input source when "Game" is selected as the type of source for the Side input. (See page 18 in the *Directions for Use* manual.)

Also use with the Dual Screen/PIP feature to select a screen or reposition a PIP screen.

Menu

Press to display the TV's on-screen menu or to turn it off.

CH (Channel Selection)

Press to browse through the TV channels.

Digit (Number Buttons)

Press to directly access a specific TV channel. For a two- or three-digit channel, enter all numbers. Press a single-digit button and hold for 1 second to directly access a single-digit channel. These buttons can also be used to enter values in certain on-screen menu controls.

Backlight

Press this button on the right side of the remote control. The backlighting of the buttons VOL, CH, **IK**, and the digit buttons stays on for 5 seconds after pressing the button.

Picture (AutoPicture[™])

Press to select the next item in the AutoPicture[™] menu. The factory-set options are Rich, Natural, Soft, Multimedia, and Eco, each corresponding with specific factory settings of Contrast, Color, Sharpness, DNR, Dynamic Contrast, and Color enhancements. You can also select the Personal option, which is based on the adjustments or settings you make through the Picture menu. (See page 34 in the *Directions for Use.*)

Zoom

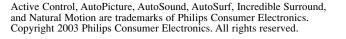
NOTE: Zooming is disabled in Dual Screen mode.

Press the Zoom button to activate the zoom function. Press the OK button repeatedly to select one of the zoom magnifications (1x, 4x, 9x, or 16x). Additionally, you can shift the selected zoom window over the screen with the Cursor Up, Down, Left, or Right buttons. The zoom window is reset after selecting another TV channel, another picture format, or when another display format is selected automatically. Press the Zoom button again to turn off the zoom function. (See page 28 in the *Directions for Use.*)

Active Control[™] Plus

NOTE: Active ControlTM Plus is not available for use with the AV3, AV4, AV5, and AV6 input sources.

Press to toggle the options Off, Minimum, Medium, and Maximum. Maximum is the recommended option. (See page 27 in the *Directions for Use.*)



SOURCE SELECT

ΤV

HD

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NATURAL MOTION

OK

VOL

1

4

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SURF

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CBI

SAT

VCB

DV

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DNR VCR Prog. EXIT

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SOUND CONTROL PICTURE

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PHILIPS

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POWER

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INFO +

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(cc)

MENU

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PROGRAMMING THE TV REMOTE TO OPERATE ACCESSORY DEVICES

The remote control supplied with your television may also work with a variety of infrared-controlled accessory devices such as cable boxes, VCRs, amplifiers, HD satellite receivers, satellite receivers, DVD players, and CD players.



WIER .

Press the CBL, VCR, AMP, HD, SAT, DVD, or CD Mode button, depending on the type of accessory device you want to operate. If the function buttons—Play, CH + or -, Stop, for example—on the remote control work the device, the remote is ready to use and no further steps are required. If the remote does not work with the accessory device, proceed to step 2.

Using the Code Entry Method

Please look up the code(s) for your brand of accessory device (listed on pages 24–25) before you begin the next few steps.

Press the desired Mode button that corresponds to the type of device you wish to operate—CBL, VCR, AMP, HD, SAT, DVD, or CD. A green light will indicate the mode labeled on the top of the button, while a red light will indicate the mode labeled on the bottom of the button. If needed, hold the button down and the light will toggle between the green and red settings.

- Press and hold the 1 and 3 Digit (Number) buttons at the same time until the Backlight and selected Mode buttons light up. Then release both buttons.
- Within 30 seconds of completing step 3 and using the Digit (Number) buttons, enter the four-digit code from pages 24–25 for your brand of device. Several codes may be listed for your brand, so you may need to try them all before the remote will operate the device.

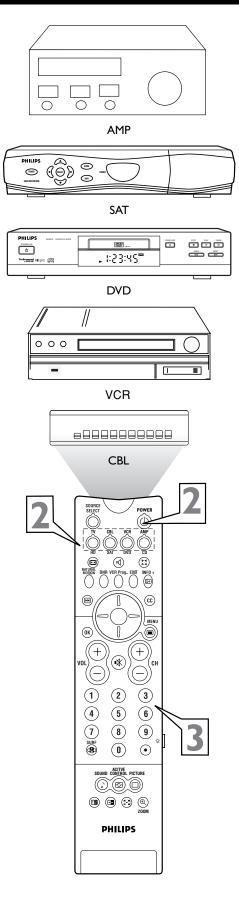
If a valid code number has been entered, the Backlight and Mode buttons will turn off and then blink twice. The remote control will assign that code number to the mode selected.

Try the function buttons to see if the remote will operate your accessory device.

If yes, no other steps are required.

If no, try the procedure again with another code number listed by your brand. Several attempts may be needed to complete all code numbers.

If none of the codes work, please refer to page 23 to try the Auto Search Method.



PROGRAMMING THE TV REMOTE TO OPERATE ACCESSORY DEVICES

The Auto Search Method of programming the remote control can take several minutes to complete. So before starting, it is recommended that you sit in a comfortable position at least six feet from the accessory device. You will have to hold the remote so that it is pointed at the front of the device for the entire time the search is taking place.



Turn the accessory device on using the device's power button.

Press the desired Mode button that corresponds to the type of device you wish to operate—CBL, VCR, AMP, HD, SAT, DVD, or CD. A green light will indicate the mode labeled on the top of the button, while a red light will indicate the mode labeled on the bottom of the button. If needed, hold the button down and the light will toggle between the green and red settings.

Press and hold the 1 and 3 Digit
(Number) buttons at the same time until the Backlight and selected Mode buttons light up. Then release both buttons.

Press and release the red POWER button on the remote control. The Backlight buttons and the selected Mode button will turn off.

The remote will start the Auto Search of all available codes, sending a command to channel up. The backlight will blink after each code is tried. For devices such as DVD or CD players, insert a disc and press PLAY on the device. The remote control will send a command to switch to the next track. Switch AV receivers to the tuner function.

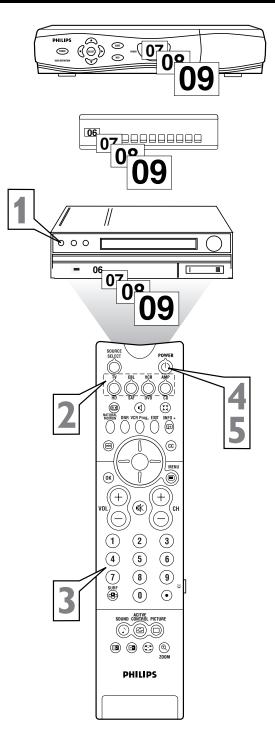
IMPORTANT: Watch the channel indicator of your accessory device closely. Once the right code is found, the channels on your device will start to scan up.



Press and release the red POWER button on the remote control as soon as the channels start to change. The Backlight buttons and selected Mode button will blink twice to indicate the Auto Search code setup is complete.

NOTE: If any other buttons are pressed during the procedure, the Auto Search will end.

Remember, Auto Search can take several minutes to complete, so please be patient.





SETUP CODES FOR ACCESSORY DEVICES

Amplifier

Aiwa
Carver
Curtis Mathes
Denon
GE
Harman/Kardon
JVC
Linn
Magnavox
Marantz
Nakamichi
Optimus
Panasonic
Philips
Pioneer
Realistic
Sansui
Sony
Soundesign
Technics
Victor
Wards
Yamaha

Cable Box

Cable Box	
ABC	0028, 0034, 0035, 0038,
Allegro	
Americast	
Antronix	
Archer	
Bell & Howell	
Cabletenna	
Contec	
Everguest	
GC Electronics	
General Instrument	.0303, 0503, 0038, 0837
Hamlin	.0047, 0036, 0286, 0061
	.0030, 0039, 0303, 0041,
	.0038, 0503, 0042, 0837
NSC	
Oak	
Optimus	
Panasonic	

CD Player

Aiwa .0184 Burmester .0447 California Audio Labs .0056 Carver .0184, 0206, 0464 DKK .0027 Denon .0030, 0900 Emerson .0332 Fisher .0201, 0206 Garrard .0420, 0447 Genexxa .0059, 0332 Harman/Kardon .0200, 0184 Hitachi .0059 JVC .0099 Kenwood 0055, 0217, 0853, 0064,	
NSM	

Sansui
Sanyo
Scott
Sears
Sharp
Sherwood
Sony
Soundesign
Tascam
Teac
Technics
Victor
Wards
Yamaha
Yorx

Surround Sound Receiver

Surround So	
ADC	
Adcom	
Aiwa	
Carvor	
Curtis Mathes	
Emerson	
Harman/Kardon	
Inkel	
	.0216, 0418, 0558, 0155, 0222
Nakamichi	
Panasonic	
Penney	
Philips	
Pioneer	.0107, 0041, 0177, 0558, 0657
	.0081, 0373, 0558, 0387, 0557
,	
Snerwood	
	.0081, 0041, 0107, 0185, 0216
Yamaha	
Yorx	
Zenith	

SETUP CODES FOR ACCESSORY DEVICES



Satellite

0-1-11-11-1			
Satellite			
AlphaStar			
Amplica			
Amway			
Astro Industries			
BSR			
Capetronic			-
Channel Master			
Chaparral		.0080,	0236, 0243
Curtis Mathes			.0088, 0099
DX Antenna			
Drake	0091	, 0272,	0045, 0176
Echostar			
Expressvu			0802
General Instrum	nent	.0388,	0896, 0654
HTS			0802
Hitachi			
Homecable			
Hughes Networ			
Hytek			
IQ			
IQ Prism			
JVC			
Janeil			
Jerrold			
Legend			,
Macom			,
Magnavox			
Memorex			
Next Level			
Panasonic			
Philips			
Pico			
Primestar			
RCA			
Radio Shack .			
Ramsey			
Realistic			
STS			.0237, 0068
Sony			0666
Star Choice			0896
Star Trak			0207
Toshiba		.0109,	0817, 0088
Uniden	.0265, 0079,	0101,	0397, 0751,
			.0103, 0749
Zenith			
VCR			
Admiral			.0075, 0236
Adventura			
Aiko			
Aiwa			
America Action			
American High			
Asha			
Audiovox			
Beaumark			
Bell & Howell .			
Brocksonic			
Broksonic			
			,
Capehart			
Citizen			
C2 - 14			,
			0099
Craig	0064, 0099	 , 0074,	
	0064, 0099 0062	, 0074, 0068,	

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	.0305, 0588, 0047, 0072
Electrohome	
Electrophonic	
Emerson	.0211, 0029, 0236, 0305,
	.0148, 0235, 0506, 0588,
	3, 0239, 0027, 0064,0070
Fisher	0074, 0131, 0081
Fuji	
Funai	
GE	, 0087, 0075, 0229, 0267
Garrard	
Go Video	
GoldStar	
HI-Q	
Harley Davidson	
Harman/Kardon	
	.0069, 0132, 0027, 0068
Hughes Network Syste	ems
JVC	0094, 0035, 0068
MEI	
MGA	
Magnavox 0062	, 0108, 0027, 0066, 0176
	0074, 0027, 0064, 0075,
	0073, 0267, 1064, 0334,
	.0066, 0236, 1189, 1289
	.0070, 0088, 0075, 0094
	.0065, 0068, 0094, 0131
	1189, 0075, 1289, 0064,
	, 0131, 0189, 0459, 0481
Optonica	
Orion	.0506, 0029, 0211, 0236
	.0062, 1189, 0189, 0252,
	0481, 0643
	, 0064, 0069, 0065, 0081
	, 0089, 0645, 1108, 1208
Protec	

Dulaar 0000	
Pulsar	
Quarter	3
Quartz	3
Quasar	5
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RCA 0087, 0176, 0229, 0069, 0132,	
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Radio Shack	L
Radix	
Randex	
Realistic0027, 0131, 0074, 0075, 0064,	
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ReplayTV	
Ricoh	
Runco	5
STS	
Samsung	
Sanky	5
Sansui0068, 0506, 0027, 0094, 0236, 0298	3
Sanyo	
Scott	
Sears	,
Semp	
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Sharp	
Shintom)
Shogun	7
Singer	
Sony	
Sylvania)
Symphonic	7
ТМК	7
Tatung	
Talung	
T 0007 0000	
Teac	3
Technics	3)
	3)
Technics	} }
Technics .0062, 0189 Teknika .0027, 0062, 0064 Thomas .0027	3) - ,
Technics .0062, 0189 Teknika .0027, 0062, 0064 Thomas .0027 Tivo .0645	3) 5
Technics .0062, 0189 Teknika .0027, 0062, 0064 Thomas .0027 Tivo .0645 Toshiba .0072, 0239, 0070	3) ; ; ;
Technics .0062, 0189 Teknika .0027, 0062, 0064 Thomas .0027 Tivo .0645	3) ; ; ;
Technics .0062, 0189 Teknika .0027, 0062, 0064 Thomas .0027 Tivo .0645 Toshiba .0072, 0239, 0070 Totevision .0064, 0267	3) ; ; ; ; ;
Technics .0062, 0189 Teknika .0027, 0062, 0064 Thomas .0027 Tivo .0645 Toshiba .0072, 0239, 0070 Totevision .0064, 0267 Unitech .0267	3) ; ; ; ; ; ; ;
Technics .0062, 0189 Teknika .0027, 0062, 0064 Thomas .0027 Tivo .0645 Toshiba .0072, 0239, 0070 Totevision .0064, 0267 Unitech .0267 Vector .0072	
Technics .0062, 0189 Teknika .0027, 0062, 0064 Thomas .0027 Tivo .0645 Toshiba .0072, 0239, 0070 Totevision .0064, 0267 Unitech .0267 Vector .0072 Vector .0072	
Technics .0062, 0189 Teknika .0027, 0062, 0064 Thomas .0027 Tivo .0645 Toshiba .0072, 0239, 0070 Totevision .0064, 0267 Unitech .0267 Vector .0072 Vector Research .0065 Video Concepts .0072, 0088	
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 Samsung
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 Sharp
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 Sony
 .0560

 Technics
 .0517

 Theta Digita
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 Toshiba
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 Yamaha
 .0517, 0572

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USING THE TV REMOTE'S VCR-SPECIFIC BUTTONS

To use the TV remote control with a VCR, first make certain it is set to control your VCR using one of the programming methods explained on pages 22 and 23.

IE

Press the VCR mode button. Be sure the button light that appears is green.

Point the top of the remote toward the front of the VCR (remote sensor window) when pressing the buttons.

VCR Mode

Press to place the remote in a mode to control a VCR.

VCR Prog.

Many VCRs have an automatic programming function. If your VCR has this function, the universal code set will assign it to this function.

VCR Timer

Press to set up a timer recording in the VCR on-screen menu.

• (Record)

Hold the • (Record) and Play ▶ buttons down to begin a VCR recording.

Stop

Press to stop the motion of a tape in playback, rewind, and fast forward.

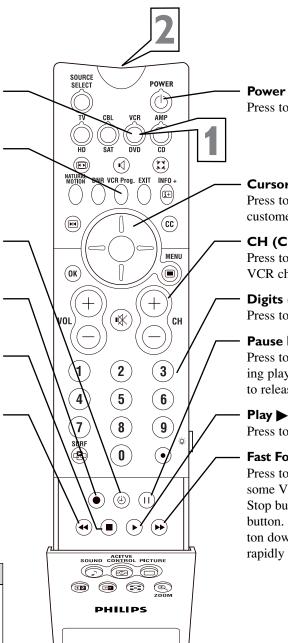
Rewind

Press to rewind tapes. For some VCRs, the Stop button may have to be pressed first, then Rewind. In playback mode, hold down the button to view the picture moving rapidly in reverse.

HELPFUL HINT

Remember, the VCR buttons on the remote will not operate your VCR if those features are not found on your VCR remote control.

NOTE: All VCR functions (particularly Search, Rewind, and Fast Forward) will operate the same as with the remote control provided with the VCR.



Press to turn the VCR on and off.

Cursor Up/Down/Left/Right Press to navigate the VCR on-screen customer controls.

CH (Channel Selection)

Press to scan up or down through the VCR channel numbers.

Digits (Numbers)

Press to directly select VCR channels.

Pause II

Press to temporarily stop the tape during playback or recording. Press again to release Pause.

Press to begin playback of a videotape.

Fast Forward

Press to rapidly advance the tape. For some VCRs, you may need to press the Stop button first, then the Fast Forward button. In playback mode, hold the button down to view the picture moving rapidly in the forward direction.

Using Active Control[™] Plus

Active ControlTM Plus monitors incoming video signals from the Tuner, AV1, AV2, and Side inputs and adjusts key picture settings for best picture quality. In addition to measuring picture noise, this feature uses an ambient light sensor (located on the front of the TV) to adjust the picture settings according to viewing conditions in the room. When you choose to turn Active ControlTM Plus+ on, you have the options Minimum, Medium, or Maximum. Maximum is the recommended option.

NOTE: Active Control[™] Plus is not available for use with the AV3–AV6 input sources.

Press the Active Control[™] button on the remote control to display the "Active Control" menu.

Press the Cursor Up or Down button to select one of the options: "Minimum," "Medium," "Maximum," or "Off."

Press the Cursor Right button to display the Active Control[™] information window. You will notice how the values constantly change while Active Control[™] is working.

NOTE: The Active ControlTM values shown in the information window will based on the current AutoPictureTM setting: Personal, Rich, Natural, Soft, Multimedia, or Eco.



Press the OK button to return to the Actice Control Menu or the Menu button to remove the on-screen menu from the TV screen.

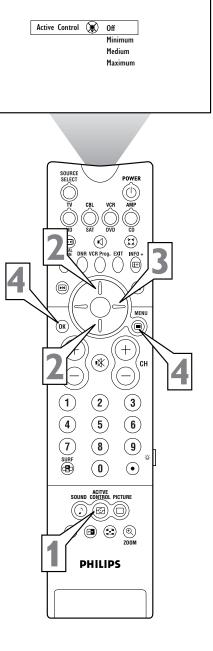
HELPFUL HINTS

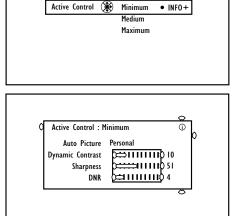
Active Control[™] Plus+ Settings

Minimum—Sharpness, Dynamic Contrast, and Noise Reduction are controlled automatically.

Medium—Sharpness, Color, Dynamic Contrast, and Noise Reduction are controlled automatically.

Maximum—Sharpness, Color, Dynamic Contrast, Noise Reduction, and Contrast are controlled automatically.





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USING THE ZOOM CONTROL

This television offers a unique feature called Zoom. The Zoom Controls allows you to magnify the on-screen picture by 4, 9, or 16 times. The magnified picture can also be panned with the cursor buttons.

122

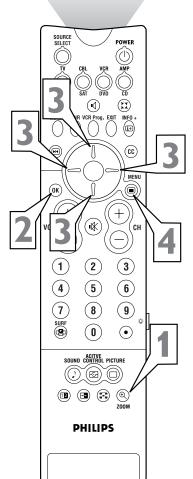
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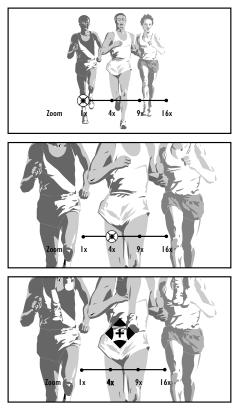
Press the ZOOM button on the remote control to display the Zoom menu.

Press the OK button repeatedly to select one of the zoom options (4x, 9x, or 16x).

Press and hold any of the Cursor buttons to pan the picture up, down, left or right.

Press the Zoom button to remove the Zoom menu from the TV screen and return the picture to its normal size.





Adjusting/Setting the Picture Controls

To adjust your TV picture controls, select a channel and follow these steps. Picture Sound Features Channels TVG Picture Sound Features Channels Settings Press the Menu button on the remote conτv Demo trol to show the on-screen menu. Contrast Install Brightness Press the Cursor Right button to select Color "Picture." Sharpness Press the Cursor Down button to select one of the picture adjustments: "Contrast," "Brightness," "Color," "Sharpness," Picture TV . SOURCE "Color temperature," or "Tint." ⇒**11111**€ 40 Contras NOTE: The menu will show only four items at a Brightness time, so you will need to continue scrolling with Color the Cursor Down button to adjust the color tem-Sharpness perature and tint. (1 INFO Press the Cursor Left or Cursor Right button to adjust the selected control. Or, if Picture color temperature is chosen, press the τv MENU Cursor Right button to choose from the ۱ options "Normal," "Warm," or "Cool." Color Temperatur Normal Warm +Digital processing Cool (**⊮**≰` СН Press the Menu button to remove the on-Dynamic contrast screen menu from the TV screen. DNR 5 (3) (2) (5) 6 **HELPFUL HINTS** Picture TV 7 8 (9) The tint control is not available with the ġ. AV3 — AV6 input sources. $(\mathbf{0})$ (\bullet) Color enhancement **Picture Control Settings** Tint (111111112) 40 ACITVE SOUND CONTROL PICTURE Brightness adds or subtracts light from the Auto picture Picture format darkest part of the picture. **Color** adds or eliminates color. Sharpness improves the detail in the pic-PHILIPS ture. Tint adjusts the picture to obtain natural skin tones.

- Color temperature offers "Normal," ٠ "Cool," or "Warm" picture preferences.
- Normal keeps whites, white.
- Cool makes whites, bluish.

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•

Warm makes whites, reddish.



Selecting a Digital Processing Option

TV

Picture Sound Features Channels

The Digital Processing control gives you a choice of different picture scanning modes.

Progressive Scan doubles the number of picture lines, eliminating line flicker and providing a jitter-free picture.

Movie Plus provides motion compensation to increase clarity around moving images in the picture.

Digital Natural Motion offers a razor-sharp reproduction of movement and motion. Its unique and highly advanced processing calculates motion trajectories of moving picture elements. It corrects jerky movement from both studio programs or movie material.

Press the Menu button on the remote to display the on-screen menu.

Press the Cursor Right button to select "Picture."

Press the Cursor Down button repeatedly until the "Digital processing" control is selected.

Press the Cursor Right button to enter the digital processing submenu.

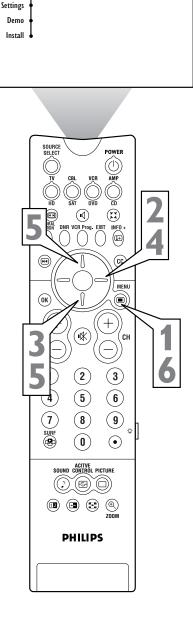
Press the Cursor Up or Down button to select Progressive Scan, Movie Plus, or Digital Natural Motion.

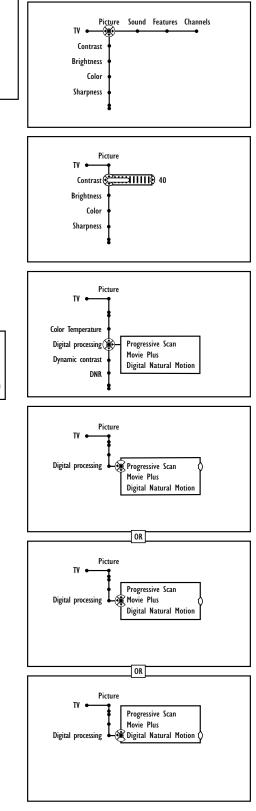
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Press the Menu button to remove the on-screen menu from the TV screen.

HELPFUL HINT

The Digital Processing control is not available for use with the AV3, AV4, AV5, or AV6 input sources.

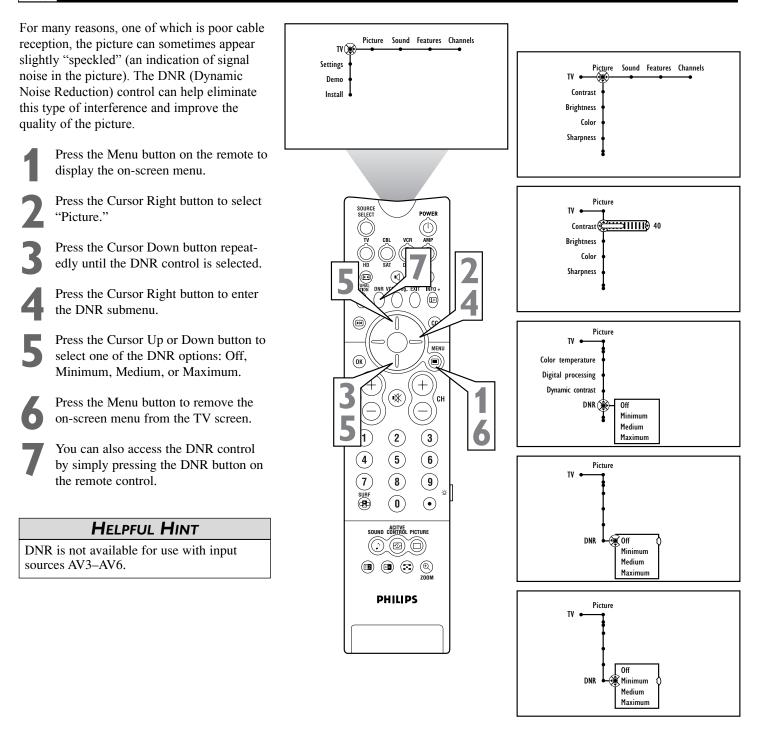




Selecting a Dynamic Contrast Option

The Dynamic Contrast control allows you to sharpen the picture quality by making dark Picture Sound Features Channels TVG portions of the picture darker and light por-Settings Picture Sound Features Channels tions of the picture more noticeable. TV Demo Normally, you will probably want to select Install Contrast Medium. In certain circumstances, however, Brightness you may prefer Minimum or Maximum. Color Sharpness Press the Menu button on the remote to display the on-screen menu. Press the Cursor Right button to select Picture SOURCE POWER TV · Picture. (h) Contrast Press the Cursor Down button repeat-Brightness Color edly until the "Dynamic contrast" con- (\mathbf{I}) Sharpness trol is selected. INFO /CR Prog. EXIT Press the Cursor Right button to enter Δ CC Þ the Dynamic Contrast submenu. Picture TV MENU Press the Cursor Up or Down button to OK ۲ select one of the Dynamic Contrast Color Temperature +options: "Off," "Minimum," Digital processing (W) Сн "Medium," or "Maximum." Dynamic contrast Off Minimum DNR Medium 6 Press the Menu button to remove the (3) Maximum (2) on-screen menu from the TV screen. 6) 4 5 Picture 7 (8) 9 τv ÷ġ **HELPFUL HINT** SURF $(\mathbf{0})$ \odot 0ff The Dynamic Contrast control is not avail-Minimum Medium ACITVE SOUND CONTROL PICTURE Dynamic contrast able for use with input sources AV3-AV6. Maximum PHILIPS

Selecting a DNR (Dynamic Noise Reduction) Option



Turning on Color Enhancement

The Color Enhancement control can improve the picture quality of pictures with a high saturation of color. This control works in four ways:

Dynamic Blue Stretch corrects the white colors toward a more bluish-colored white without changing the other colors. Improves the sharpness of the picture.

Green Enhancement offers a more saturated green color in case of low green broadcasts, giving landscapes a fresher and brighter look. **Color-dependent Sharpness** improves the sharpness of the picture through the color information. Gives the picture more details, especially in red colors.

Skin-tone Correction adjusts for over saturation of red that often appears in skin tones.

1

Press the Menu button on the remote to display the on-screen menu.

Press the Cursor Right button to select "Picture."

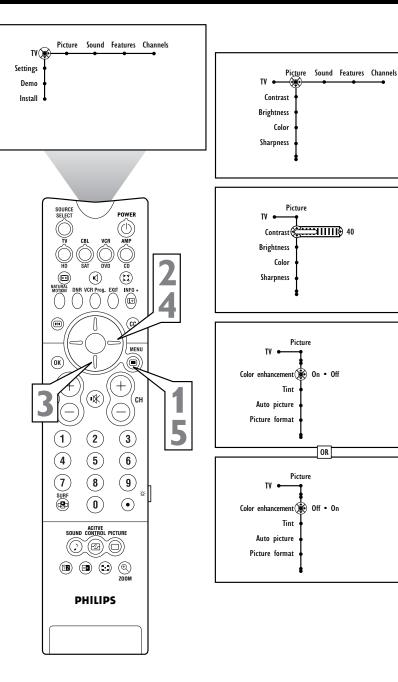
Press the Cursor Down button repeatedly until the "Color enhancement" control is selected.

Press the Cursor Right button to turn the color enhancement control on or off.

Press the Menu button to remove the on-screen menu from the TV screen.

HELPFUL HINT

The color enhancement control is not available for use with inputs AV3–AV6.



<u>.</u>

tings for consistent viewing conditions.

for example.)

to low.

Soft emphasizes warm colors. (This is a good

choice for dimly lighted room. It gives a cine-

ma-like effect when the light is switched off.) **Multimedia** emphasizes soft colors. (This is a good choice for playing computer games,

ECO reduces brightness and contrast settings

Selecting an AutoPicture[™] Option

Whether you're watching a movie or playing a video game, your TV has automatic video Picture Sound Features Channels TV control settings to match your current pro-Settings Picture Sound Features Channels gram source or content. AutoPictureTM quickτv Demo ly resets your TV's video controls for a num-Install Contrast ber of different types of programs and view-Brightness ing conditions that you may have in your Color home. The Personal AutoPictureTM settings Sharpness are the same as the Picture control adjustments made within the on-screen menu. Press the Menu button on the remote to Picture τv display the on-screen menu. **5111118**) 40 Contrast Brightness Press the Cursor Right button to select Color "Picture." (\mathbf{I}) Sharpness INFO Press the Cursor Down button repeat-(1) edly until the "Auto picture" control is selected. Picture τv Press the Cursor Right button to enter OK ۲ Color enhancement the AutoPicture[™] submenu. Tint +Auto picture Persona ĺ₩. СН Press the Cursor Down or Up button to Rich Picture format Natural select one of the AutoPictureTM Soft options: "Personal," "Rich," "Natural," 2 (3) "Soft," "Multimedia," or "Eco." 6 4 5 Picture 7 8 9 T٧ Press the Menu button to remove the on-screen menu from the TV screen. (\bullet) $(\mathbf{0}$ You can also select AutoPictureTM set-ACITVE SOUND CONTROL PICTURE Auto picture Personal Rich tings by simply pressing the Picture ()Natural button on the remote control. Soft (D) **HELPFUL HINTS** PHILIPS Picture TV AutoPicture[™] Options Personal settings are based on your personal Personal choice or viewer control preferences. Rich Auto picture Natural Rich emphasizes very vibrant colors. (This is Soft a good choice when AV mode is used in a Multimedia brightly lighted room.) Eco Natural sets picture controls at midlevel set-

NOTE: The Personal option shows the personal settings made in the Picture submenu. When you select one of the preset AutoPictureTM options, those settings become the Personal settings.

Selecting a Picture Format Option

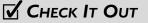


Your TV's wide screen (16:9 aspect ratio) delivers a home-cinema experience that isn't possible with a conventional (4:3 aspect ratio) set. The 16:9 format of high-definition (HD) programs and other widescreen-format video sources appear more lifelike, dramatic, and theatrical. Black or gray bars are diminished or eliminated. As the television industry moves toward the high-definition format standard and more HD broadcasts become available, you will be able to see the broadcasts as they were intended—in 16:9 format.

For flexibility in viewing conventional 4:3format video sources on your TV's wide screen, you have the options Automatic," "Super zoom," "Panoramic," "4:3," "Movie expand 14:9," "Movie expand 16:9," "16:9 subtitle," or "Wide screen."

NOTE: The Automatic option is disabled for AV3–AV6.

Page 36 explains how to select a picture format option.



Inputs AV3–AV4 allow horizontal and vertical picture panning using the Cursor Left, Right, Up, and Down buttons. The Side input allows vertical picture panning; left and right panning with the Side input is possible when the input has been labeled "Game." See pages 20 and 21 for details on side panel connections and source labeling.

HELPFUL HINT

The term aspect ratio refers to the relationship between the width and height of a TV screen. Historically, TV screen width has been 33 percent greater than its height, amounting to a 4:3 aspect ratio. The width of your widescreen TV, however, is nearly 80 percent greater than its height, which means its aspect ratio is 16:9. This screen corresponds well with the tendency of the eyes to feel more comfortable with fields of view and action planes that are horizontally oriented. The wide screen is also proportionally truer to the formats in which movies are filmed and presented in theaters. However, many widescreen DVDs will still display black bars to preserve the true theatrical format.

Conventional 4:3 Screen Size

Your TV's 16:9 Screen Size

Your TV's Picture Format Options

Automatic (not depicted) Makes the picture fill the screen as much as possible when the presence of black or gray bars is detected.



Super zoom Removes the black or gray bars on the sides of a 4:3-format picture with minimal distortion. Part of the top and bottom portions of the picture are excluded from the screen.



4:3 Displays a conventional 4:3 picture without change. Black or gray bars will show at the left and right sides.



Movie expand 16:9 Alters the image both horizontally (stretched) and vertically (cropped) to fill the TV's wide screen. Part of the top and bottom portions of the picture will be excluded from the screen.



Panoramic Evenly stretches the edges of the picture to fill the TV's wide screen.



Movie expand 14:9 Expands the picture to 14:9 movie aspect ratio. Part of the top and bottom portions of the picture are excluded from the screen. Black or gray bars are shown at the left and right sides.



16:9 subtitle Zooms the picture for a full view of subtitles or other information displayed at the bottom of the picture. Part of the top portion of the picture is excluded from the screen.



Wide screen Evenly stretches the width of the picture to fill the screen.



Selecting a Picture Format Option

Choose a picture format size to match the type of program you're watching. Select the Picture Sound Features Channels TV normal 4:3 aspect ratio or a variety of Settings Picture Sound Features Channels widescreen formats. τv Demo Install Contrast Press the Menu button on the remote to Brightness display the on-screen menu. Color Sharpness Press the Cursor Right button to select "Picture." Press the Cursor Down button repeat-Picture SOURCI edly until the "Picture format" control POWER τv (1)Contrast is selected. Brightness Press the Cursor Right button to enter Color (\mathbf{q}) Sharpness the picture-format submenu. NATURAL MOTION DNR VCR Prog. EXIT INFO -() Press the Cursor Down button to select one of the seven screen formats: Ø CC Picture "Automatic," "Super zoom," TV . MENU "Panoramic," "4:3," "Movie expand Color enhancement OK ۲ 14:9," "Movie expand 16:9," "16:9 Tint +subtitle," or "Wide screen." Auto picture (** CH The Automatic option senses the pres-Picture format Automatic Super zoom ence of black or gray bars around the Panoramic 6 picture and zooms the picture to reduce (2) (3) or eliminate the bars. 4 5 (6) Picture NOTE: The Automatic option is not availτv 7 (8) 9 able with AV5 (computer) connections. $(\mathbf{0})$ (\bullet) Press the Menu button to remove the ACITVE SOUND CONTROL PICTURE on-screen menu from the TV screen. Automatic Picture format $(\bigcirc \ \ (\boxtimes) \ \ (\boxtimes) \ \ (\boxtimes) \)$ Super zoo Panoramic You can also select a picture format simply by pressing the Picture Format button on the remote control. PHILIPS Picture TV Automatic Super zoor Picture format Panoramic 4:3

Adjusting the TV and Headphone Volume

Besides the normal volume level control, your TV also has a headphone volume control. This control can be adjusted when using headphones without having to adjust the main volume control for the TV cabinet speakers.

To control the television volume:

Press the Volume + button on the remote control to increase the television volume level.

Press the Volume – button on the remote control to decrease the television volume level.

NOTES:

- The Volume scroll will not appear on screen if the on-screen display is set to "Minimum." See page 63 for details.
- The Volume level can also be adjusted within the on-screen menu. Select the Sound menu and cursor down to the Volume control. Use the Cursor Left and Right buttons to adjust.

To control the Headphone volume:

Press the Menu button on the remote control to display the on-screen menu.

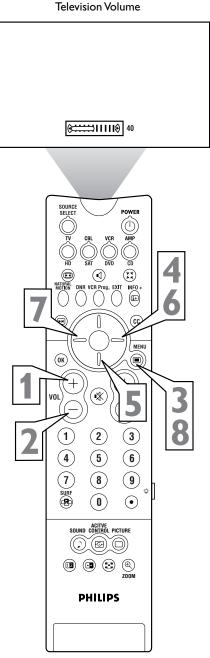
Press the Cursor Right button to select "Sound."

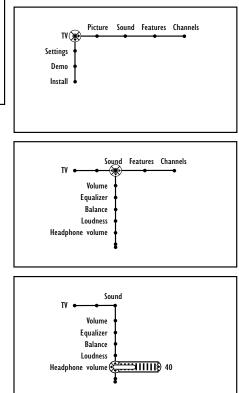
Press the Cursor Down button repeat-edly until the "Headphone volume" control is selected.

Press the Cursor Right button to increase the headphone volume level.

Press the Cursor Left button to decrease the headphone volume level.

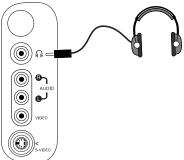
Press the Menu button on the remote control to remove the on-screen menu from the TV screen.





Headphone Volume

Plug your headphones into the headphone (3.5mm) output jack in the TV's Side panel.



Selecting a TV Equalizer Option

The Equalizer control will change the dynamics of the sound being heard through the TV. You can adjust the settings for the Personal Equalizer option. The other options have been preset at the factory and cannot be changed.

Press the Menu button on the remote to display the on-screen menu.

Press the Cursor Right button repeatedly to select "Sound."

Press the Cursor Down button repeatedly until the "Equalizer" control is selected.

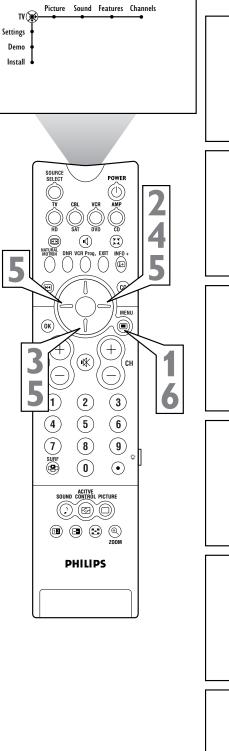
Press the Cursor Right button to enter the equalizer submenu. Continue to press the Cursor Right button to select one of the options: "Speech," "Music," "Movie," "Multimedia," or "Personal."

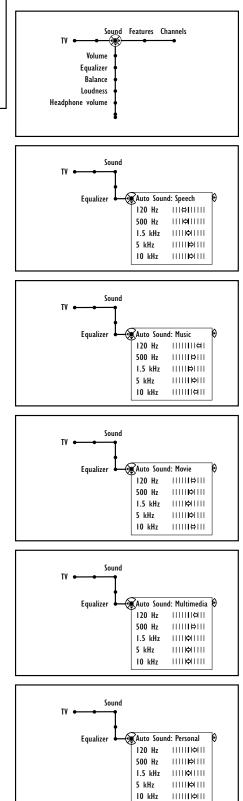
5 If you select the Personal option and want to make adjustments, press the Cursor Down button to select an adjustment, then press the Cursor Left or Right button to adjust the slider control to the desired position.

NOTE: If you attempt to change the settings for the factory preset options Speech, Music, Movie, or Multimedia, the Equalizer control will default to the Personal option.

6

Press the Menu button to remove the on-screen menu from the TV screen.





Adjusting TV Speaker Balance

You can adjust the balance of the TV speaker sound.

1 2

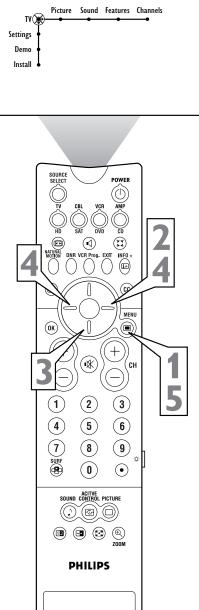
Press the Menu button on the remote to display the on-screen menu.

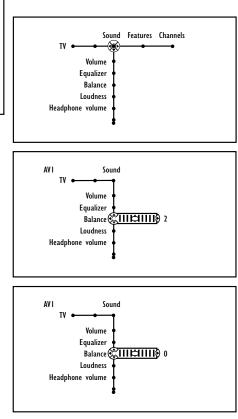
Press the Cursor Right button repeatedly to select "Sound."

Press the Cursor Down button repeatedly until the "Balance" control is selected.

Press the Cursor Right or Left button to adjust speaker balance.

Press the Menu button to remove the on-screen menu from the TV screen.





Turning Loudness on or off

TV

Picture Sound Features Channels

Turning the Loudness control on provides a volume-dependent bass-boost effect to the speakers. Follow the steps here to turn the Loudness control on.

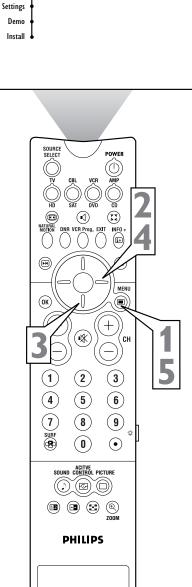
Press the Menu button on the remote to display the on-screen menu.

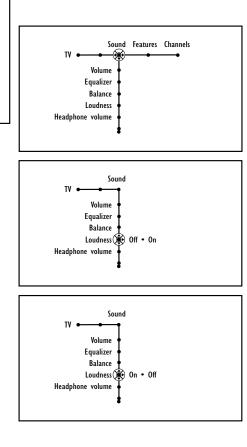
Press the Cursor Right button repeatedly to select "Sound."

Press the Cursor Down button repeatedly until the "Loudness" control is selected.

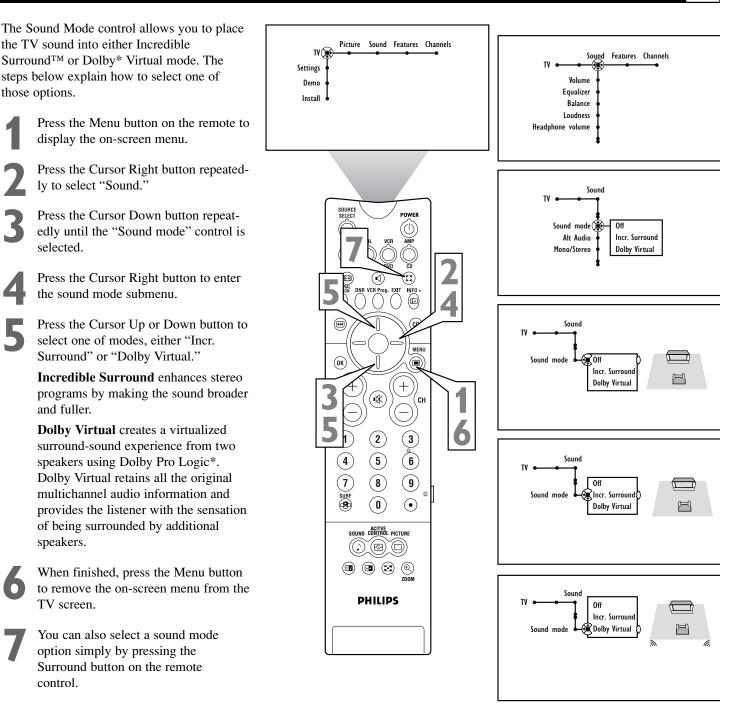
Press the Cursor Right to toggle loudness on or off.

Press the Menu button to remove the on-screen menu from the TV screen.





Selecting a Sound Mode Option



*Manufactured under license from Dolby Laboratories. "Dolby", "Pro Logic", and the double-D symbol are trademarks of Dolby Laboratories.

Incredible Surround is a trademark of Philips Consumer Electronics. Copyright 2003 Philips Consumer Electronics. All rights reserved.

Using Alternate Audio (SAP)

Picture Sound Features Channels

For broadcasts that contain SAP (Secondary Audio Program) information, the Alt Audio Control can be set to SAP. Sent as a third audio channel, SAP is an additional part of the stereo broadcast system that can be heard apart from the current TV program sound. TV stations are free to use SAP for any number of purposes.

If an SAP signal is not present with a selected program, the "Alt Audio" option in the TV's on-screen menu cannot be selected and will appear grayed out.

If SAP is available on the tuned channel:



Press the Menu button on the remote to display the on-screen menu.

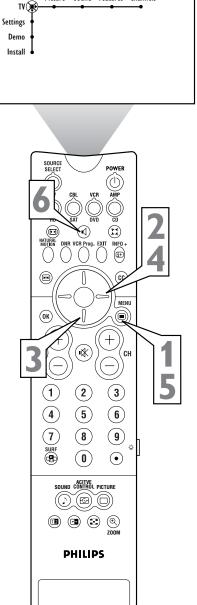
Press the Cursor Right button repeatedly to select "Sound."

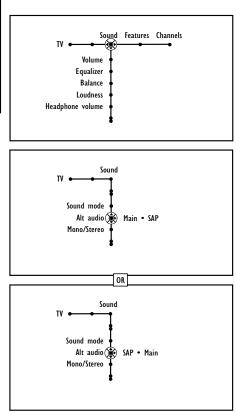
Press the Cursor Down button repeatedly until the Alt Audio control is selected.

Press the Cursor Right button to toggle and select either "Main" or "SAP."

Press the Menu button to remove the on-screen menu from the TV screen.

You can also select SAP by simply pressing the Alternate Audio button on the remote control.





Setting the TV for Stereo Programming

Your TV can output stereo sound. It has both an amplifier and twin speakers through which the stereo sound can be heard.

Press the Menu button on the remote to display the on-screen menu.

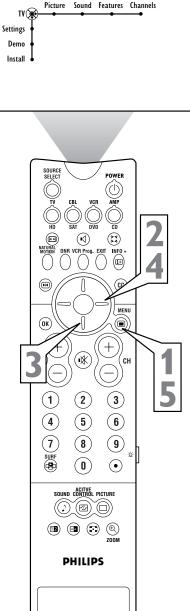
Press the Cursor Right button repeatedly to select "Sound."

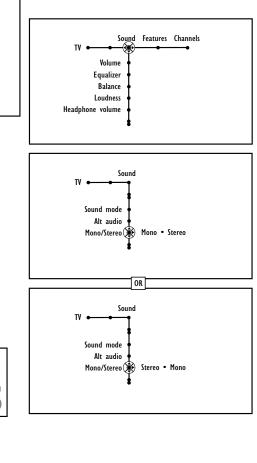
Press the Cursor Down button repeatedly until the "Mono/Stereo" control is selected.

Press the Cursor Right button to toggle and select either Mono or Stereo.

NOTE: If the signal being received is in mono, it cannot be set to Stereo. If, however, the signal is being received in Stereo, the TV can be placed in the Mono mode. (If you select the Mono option, remember to return the Mono/Stereo control back to Stereo when using the TV with stereo programming.)

Press the Menu button to remove the on-screen menu from the TV screen.





Turning the AVL (Audio Volume Leveler) on or off

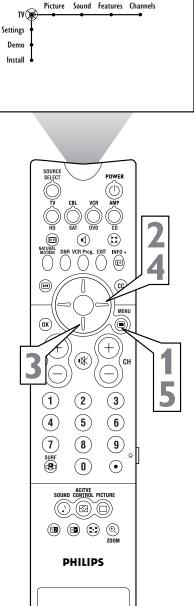
You may have noticed the peaks and valleys of sound that occur between program changes or at commercial breaks. The volume levels often vary considerably. By turning on the AVL (Audio Volume Leveler) control, you can make your TV produce a more consistent volume level. Follow the steps below to turn AVL on.

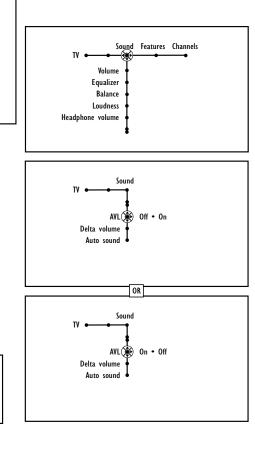
 Press the Menu button on the remote control to display the on-screen menu.
 Press the Cursor Right button repeatedly to select "Sound."
 Press the Cursor Down button repeatedly until AVL is highlighted.

Press the Cursor Right button to toggle

Press the Menu button to remove the menu from the TV screen.

the control on or off.





Adjusting the Delta Volume

The volume level coming from channel to Picture Sound Features Channels channel and broadcast to broadcast can vary TV widely. The Delta Volume control will allow Settings Sound Features Channels the volume to be increased for channels with τv Demo weaker audio signals while allowing other Volume Install channels with stronger signals to be reduced. Equalizer Balance When the Delta Volume control is adjusted or Loudness changed, it will affect only the currently Headphone volume tuned channel. The TV will store the setting for that channel in its memory and remember it when the channel is tuned again. Sound NOTE: The Delta Volume control does not SOURCE τv work with the headphones. AVL ₀ **@**∏11¤111 Press the CH + or – button on the Delta volume Auto sound remote control to tune to a specific œ (\mathbf{x}) channel. INFO VCR Prog. EXI 5 Press the Menu button on the remote control to show the on-screen menu. MENU Press the Cursor Right button repeated-(ok ٦ ly to select "Sound." +* Press the Cursor Down button repeated-CH ly until "Delta volume" is highlighted. 3 1 Press the Cursor Left button to decrease the overall volume, or press 6 Л the Cursor Right button to increase the 7 (9) 8 overall volume for the tuned channel. ŵ (\bullet) Ó Repeat the steps above to adjust the delta volume for additional channels. ACITVE SOUND CONTROL PICTURE -(&) (\bigcirc) (\Box) Press the Menu button to remove the on-screen menu from the TV screen. Г PHILIPS

Selecting an AutoSound[™] Option

AutoSoundTM allows you to select from four factory-set controls and a personal control. Picture Sound Features Channels TV The personal control consists of settings you Settings Sound Features Channels adjust through the on-screen Sound menu. τv Demo The four factory-set controls-Speech, Volume Install Music, Movie, or Multimedia-enable you to Equalizer Balance tailor the TV sound to enhance the particular Loudness program you are watching. Follow these steps Headphone volume to select any of the options. Press the Menu button on the remote to Picture display the on-screen menu. τν AVL Press the Cursor Right button repeated-Delta volume ly to select "Sound." Auto sound (Personal Speech Press the Cursor Down button repeat-Music INFO Movies edly until the "Auto sound" control is (1) Multimedia selected. Pictur Press the Cursor Right button to enter τv MENU the AutoSoundTM submenu. (OK ٦ +Personal Press the Cursor Up or Down button to Speech Auto sound ĺ₩. CH select an option: "Speech," "Music," Music Movies "Movies," "Multimedia," or Multimedia "Personal." 2 (3) 5 6 Press the Menu button to remove the 7 (8) (9) on-screen menu from the TV screen. ġ. (\bullet) $(\mathbf{0})$ You can also select AutoSoundTM settings by simply pressing the SOUND CONTROL PICTURE Sound button on the remote control. PHILIPS **HELPFUL HINTS** AutoSound[™] Options Speech brings voices to the forefront and emphasizes them. Moves music to the background.

Music emphasizes music over voices.

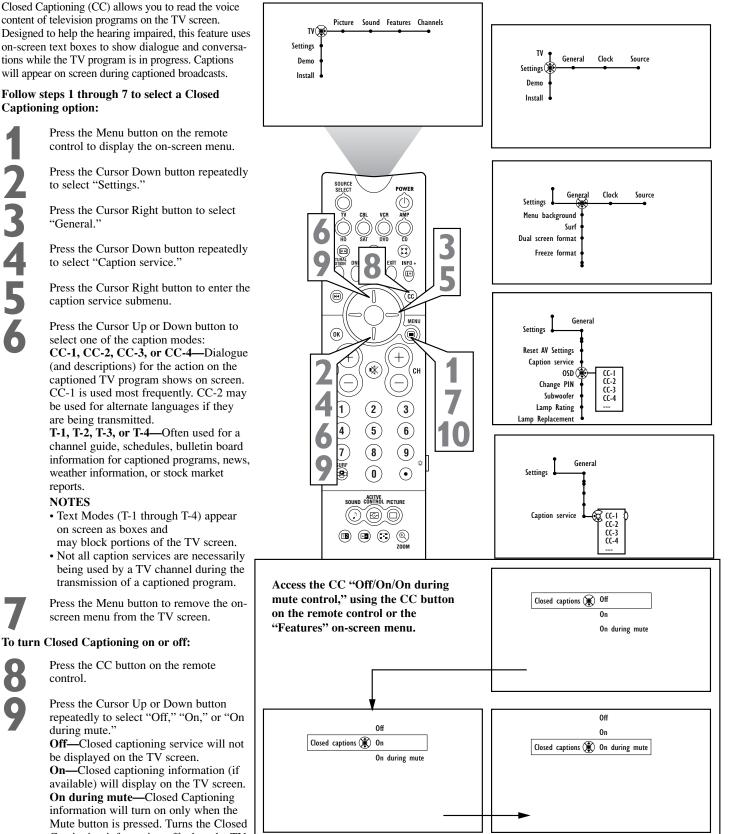
Movies provides a balance between voices and music.

Multimedia provides sound balance best suited for gaming consoles or interactive media.

Personal presents the TV's sound according to the settings you make within the sound menu.

NOTE: The Personal option shows the personal settings made in the Sound submenu. When you select one of the preset AutoSoundTM options, those settings become the Personal settings.

Using Closed Captioning



NOTES: • The captions do not always use correct spelling and grammar. • Not all TV programs and product commercials made for broadcast include Closed Captioning information. Refer to your area's TV program listings for the TV channels and times of shows with Closed Captioning. The captioned programs are usually noted in the TV listings with service marks such as "CC."

Press the Menu button on the remote to

Press the CC button on the remote control.

Press the Cursor Up or Down button repeatedly to select "Off," "On," or "On during mute.'

be displayed on the TV screen. On-Closed captioning information (if available) will display on the TV screen. On during mute—Closed Captioning information will turn on only when the Mute button is pressed. Turns the Closed Captioning information off when the TV volume is restored.



remove the on-screen display from the TV screen.

Setting the Sleeptimer

Picture Sound Features Channels

NOTE: If you have not selected your time zone and set the Daylight Savings control, do so before making a Sleeptimer setting. Details are on page 64.

If you have ever fallen asleep while watching TV, you may have wished you could have programmed your TV to turn off automatically. The Sleeptimer feature allows you to set your TV to do that. With the Sleeptimer control, you can set a timer to automatically switch the TV off after a period of time you choose—5 minutes up to 180 minutes in 5-minute increments.



Press the Menu button on the remote control to display the on-screen menu.

Press the Cursor Right button repeatedly until "Features" is selected.

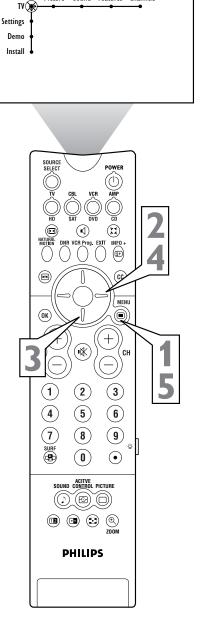
Press the Cursor Down button repeatedly to select "Sleeptimer."

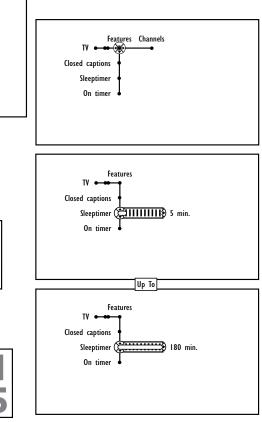
Press the Cursor Right button to set the sleeptimer in 5-minute increments, from 5 minutes to 180 minutes.

Press the Menu button to remove the on-screen menu from the TV screen.

HELPFUL HINTS

- To see how many minutes remain before the TV shuts itself off, press the INFO+
 button.
- An on-screen countdown will appear during the last minute before the TV shuts itself off. At this time, you may cancel the Sleeptimer setting by pressing the OK button on the remote control.





During the last minute of a sleeptimer setting, the TV will display a countdown screen that will allow you to cancel the setting.

seconds.	will switch off the TV in 45
	Cancel 🛞

Setting the On Timer

Picture Sound Features Channels

NOTE: Before you set the On Timer, you must set the clock. See page 65.

The On Timer control allows you to set a time for the TV to come on automatically at a certain time of day. The on timer can be set to work once or daily at a time you specify.

Press the Menu button on the remote control to display the on-screen menu.

Press the Cursor Right button repeatedly to select "Features."

Press the Cursor Down button repeatedly to select the "On timer" control.

3

4

6

Press the Cursor Right button to enter the On Timer submenu.

Press the Cursor Up or Down button to select "On."

Press the Cursor Right button to shift the menu to the start-channel submenu.

Press the Cursor Up or Cursor Down button to select the channel you would like the TV to tune to when it turns on.

Press the Cursor Right button to shift the menu to the day/daily submenu.

Press the Cursor Up or Down button to select the day to turn on or select "Daily."

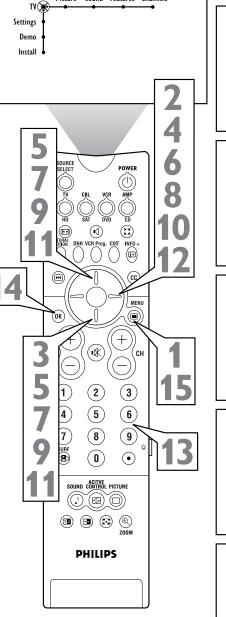
Press the Cursor Right button to enter the AM/PM submenu.

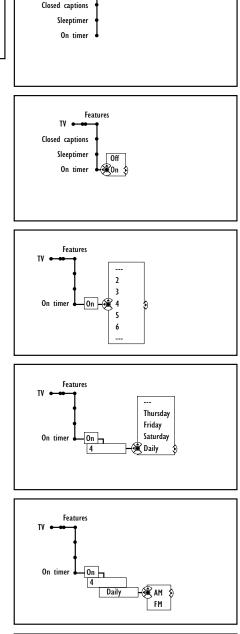
Press the Cursor Up or Down button to select "AM" or "PM."

Press the Cursor Right button to enter the start time.

Press the Number buttons to enter the time. Use "0" first if entering a single digit (for example, input "0, 1, 3, 0" for 1:30).

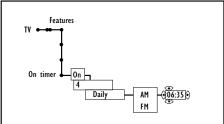
Press the OK button to confirm.Press the Menu button to remove the on-screen menu from the TV screen.





Features Channels

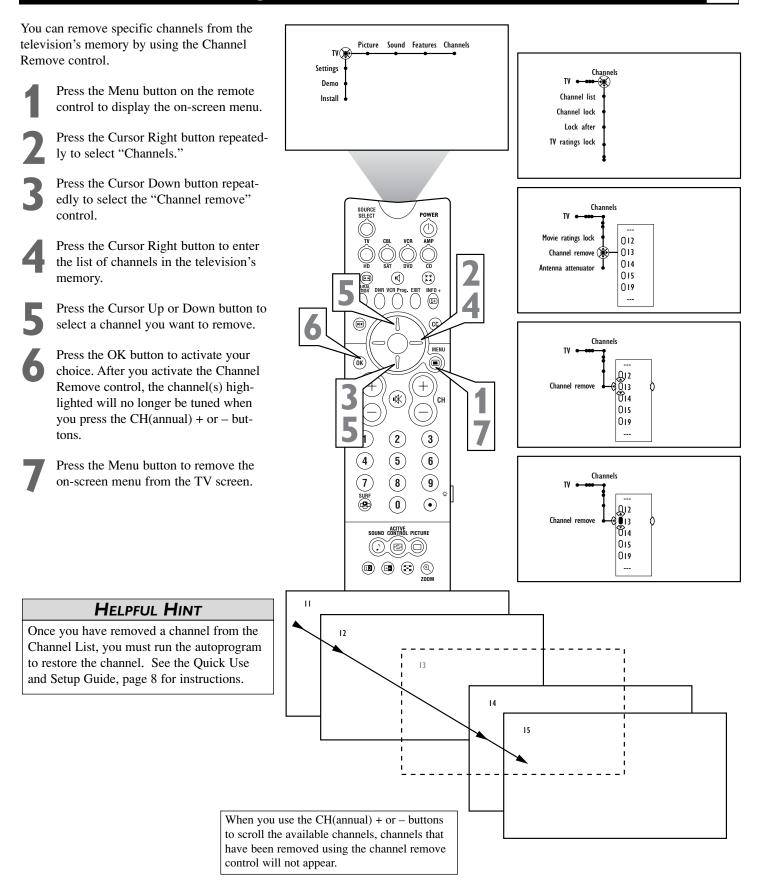
τv



Using the Channel List

The Channel List control shows all the available channels that Auto Programming placed Picture Sound Features Channels TV in the TV memory. The channels can be Settings Channels selected from this list. TV Demo Channel list Install Press the Menu button on the remote Channel lock control to display the on-screen menu. Lock after TV ratings lock Press the Cursor Right button repeatedly to select "Channels." Press the Cursor Down button to select Channels SOURCE the "Channel list" control. T٧ (I) 12 Channel list (13 Press the Cursor Right button to enter Channel lock 14 the Channel List submenu. Lock after 15 19 • TV ratings lock INFO DNR VCR Prog. EXIT Press the Cursor Up or Down button to (1) select a specific channel from the list. 6 (00 Ø Press the OK button. The television Channels MENU TV . will tune to the selected channel. ۲ Channel list 1 - 🛞 12 13 Press the Menu button to remove the +14 (⊮ 15 on-screen menu from the TV screen. СН 19 (2) (3) 5 6 4 (8) 9 (7) ġ \odot $(\mathbf{0})$ ACITVE SOUND CONTROL PICTURE PHILIPS

Removing Channels from the Channel List



Using Lock Channel

For various reasons, you may want to block the viewing of materials on a specific channel or channels or through the audio/video (AV) inputs. Lock Channel provides this capability.

Before using the Lock Channel feature for the first time, you will be asked to enter the PIN number. Use the digit buttons on the remote control to enter the PIN you choose. All number combinations from 0000 to 9999 are valid. After you enter the number once, you will be asked to confirm the number, and then the number is stored.

To set or change your PIN number, see page 63.

Press the Menu button on the remote control to display the on-screen menu.

Press the Cursor Right button repeatedly to select "Channels."

Press the Cursor Down button repeatedly to highlight the "Channel lock" control.

Press the Cursor Right button to enter the channel lock submenu.

Press the Cursor Up or Down button to select a specific channel from the list.

Press the OK button. The oval in front of the channel number will change to yellow to show that the channel is locked.

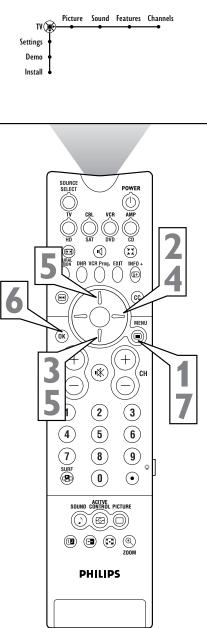
Repeat steps 5 and 6 for other channels you want to lock.

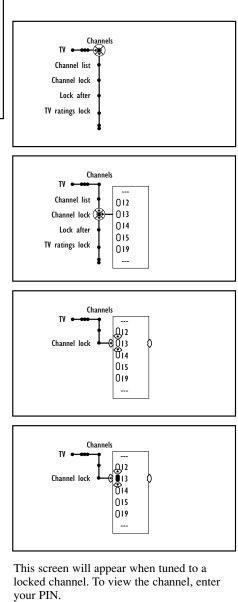
Press the MENU button to remove the on-screen menu from the TV screen.

NOTE: To unlock a locked channel, enter your personal PIN number.

HELPFUL HINT

If you tune to a channel or input source that is locked and you enter your PIN, all locked channels or input sources will be unlocked until the television is shut off. When the television is turned back on again, previously locked channels or input sources will be locked again.





This channel is loc	ked
To unlock the char	
please enter your	
prosection four	
	PIN 🛞
	PIN 🔅 Cancel

CH

Using Lock After

You may want to block programming after a certain time of day. This feature is excellent for Picture Sound Features Channels TV Settings Channels Demo TV Install Channel list Channel lock Lock after TV ratings lock Press the Menu button on the remote control to display the on-screen menu. Channels SOURCI SELECT τv Press the Cursor Right button repeat-Channel list edly to select "Channels." Channel lock 0ff Lock after 0n Press the Cursor Down button TV ratings lock repeatedly to select the "Lock after" INFO control. Press the Cursor Right button to Channels enter the Lock After submenu (with MENL τv the options "Off" or "On"). OK 0ff AM Press the Cursor Up or Down button ĺ₩. СН to select "On" from the submenu. A submenu with the options of "AM" 10 3 or "PM" will appear. 5 6 Press the Cursor Right button to 6 Channel 8 9 enter the AM/PM submenu. A box with the time (or area where the time \bigcirc \odot Off ΔM can be entered) will appear. ்≩pm ல் 11:30 Lock after On ACITVE SOUND CONTROL PICTURE Press the Cursor Up or Down button to select AM or PM. Press the Cursor Right button to enter the Lock After time. Channe This channel is locked. To unlock the channel Press the Number buttons to enter please enter your PIN. the time you want the television to lock all channels. PIN Cancel Press the Menu button to remove the on-screen menu from the TV screen.

Once the time has expired, all channels will display this screen. To view the channels, enter your PIN.

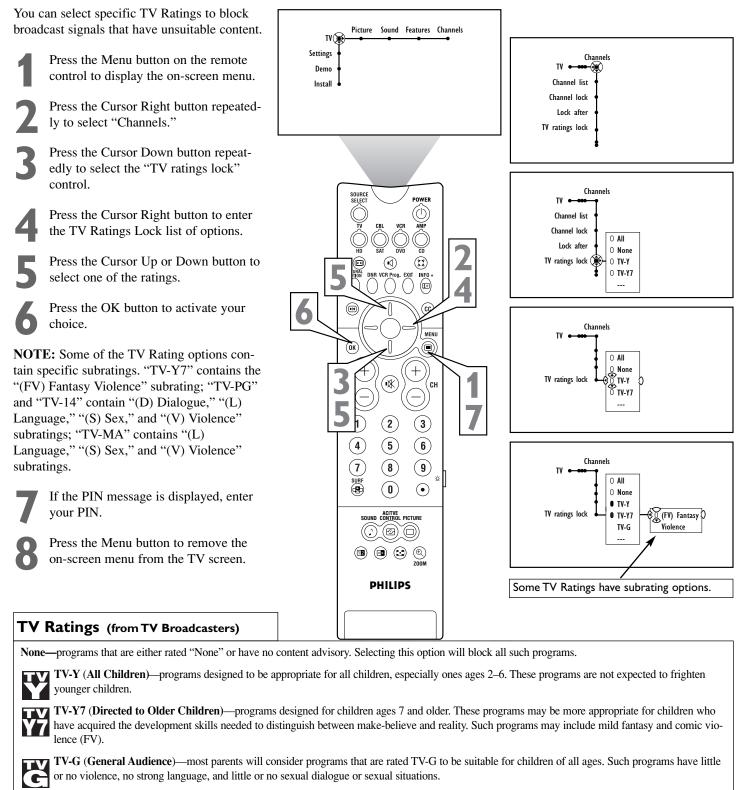
limiting the amount of time your children watch TV or for preventing them watching unsuitable programs that are often shown at night.

NOTE: The set automatically unlocks after 3 a.m.

HELPFUL HINT

If you tune to a channel or input source that is locked and you enter your PIN, all locked channels or input sources will be unlocked until the television is shut off. When the television is turned back on again, previously locked channels or input sources will be locked again.

Blocking Programming Based on TV Ratings



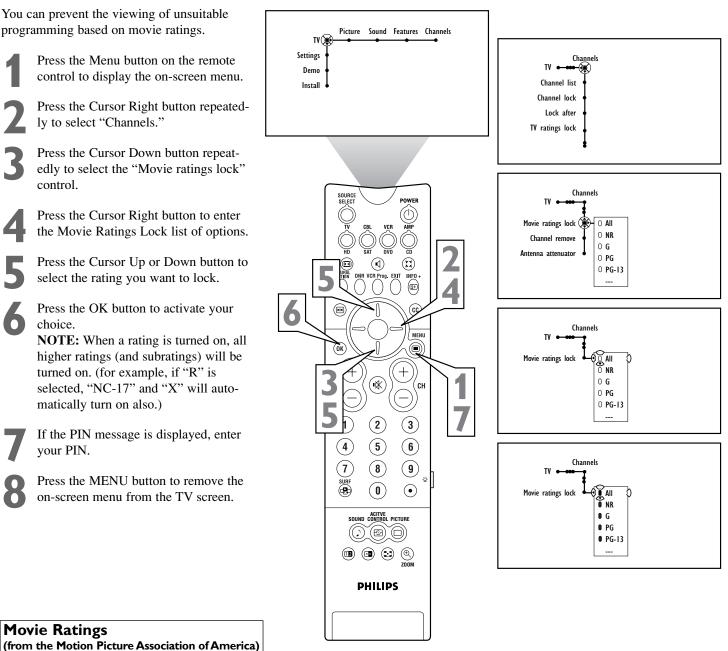
TV-PG (**Parental Guidance Suggested**)—programs contain material that parents may find unsuitable for younger children. This type of programming has one or more of the following: moderate violence (V), some sexual situations (S), infrequent coarse language (L), or some suggestive dialogue (D).



TV-14 (**Parents Strongly Cautioned**)—programs contain material that many parents will find unsuitable for children under 14 years of age. These programs have 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)—specifically designed to be viewed by adults and therefore may be unsuitable for children under 17. Such programs have one or more of the following: graphic violence (V); explicit sexual situations (S); or crude, indecent language (L).

Blocking Programming Based on Movie Ratings



NR (Not Rated)—programs that the Motion Picture Association of America has chosen not to rate.

G (General Audience)—all ages admitted. Most parents will find programs that are rated G to be suitable for children of all ages. Such programs have little or no violence, no strong language, and little or no sexual dialogue or sexual situations.

PG (Parental Guidance Suggested)—contain material that parents may find unsuitable for younger children. These programs have one or more of the following: moderate violence, some sexual situations, infrequent coarse language, or some suggestive dialogue.

PG-13 (Parents Strongly Cautioned)—contain material that parents may find unsuitable for children under the age of 13. Programs that are rated PG-13 have one or more of the following: violence, sexual situations, coarse language, or suggestive dialogue.

R (Restricted)—specifically designed for adults. Anyone under the age of 17 should view programs that are rated R only with an accompanying parent or adult guardian. Such programs have 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)-should be viewed by adults only. These programs have graphic violence; explicit sex; or crude, indecent language.

X (Adults Only)—contain one or more of the following: very graphic violence, very graphic and explicit or indecent sexual acts, or very coarse and intensely suggestive language.

Turning the Antenna Attenuator on or off

If you live near a television station's transmitter tower, you may receive an interfering signal from the station while watching other TV channels. Your television's Antenna Attenuator control is designed to reduce the strength of such a signal in the presence of a strong main signal. The default setting for the Antenna Attenuator is "Off." If you need to use the feature, simply toggle it "On" in the on-screen menu. The setting you make applies to the channel you are currently watching and will remain in place until you change the setting.

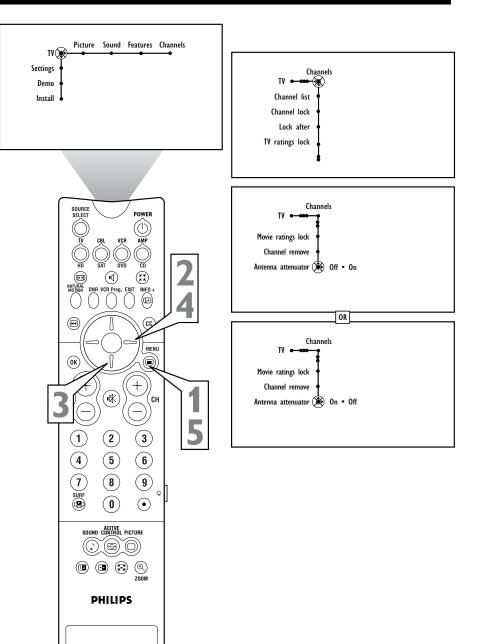
Press the Menu button on the remote control to display the on-screen menu.

Press the Cursor Right button repeatedly to select "Channels."

Press the Cursor Down button repeatedly to select the "Antenna attenuator" control.

Press the Cursor Right button to toggle the control "On" or "Off."

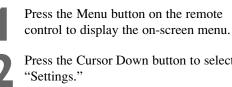
Press the Menu button to remove the on-screen menu from the TV screen.



Using Surf

TV

Picture Sound Features Channels



Press the Cursor Down button to select

Press the Cursor Right button to select the "General" menu.

Press the Cursor Down button repeatedly to select the "Surf" control.

Press the Cursor Right button to toggle the Surf control to "2 channels" or "9 channels."

Press the Menu button to remove the on-screen menu from the TV screen.

If you selected the "2 channels" Surf option, pressing the Surf button allows you to alternate between the currently viewed channel and the previously viewed channel.

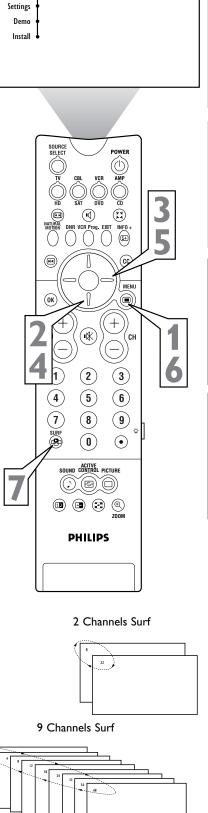
If you selected the "9 channels" Surf option, pressing the Surf button displays a Surf list in which you can place up to 9 favorite channels. A/V sources also can be included in the list.

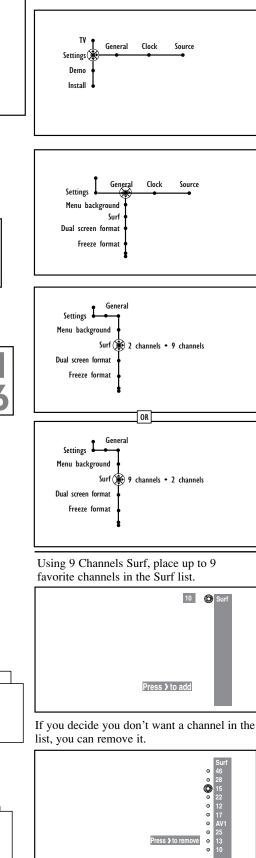
To add a channel to the list, tune to the channel, press the Surf button, then press the Cursor Right button.

If you attempt to add more than 9 channels to the list, the channel on the bottom of the list will be automatically removed to make room for the newly added channel.

After you have placed your favorite channels in the list, press the Surf button as many times as necessary to tune to the desired favorite channel. Or, with the Surf list displayed, press the Cursor Down or Up buttons to tune to a channel.

To remove a channel from the list, press the Surf button to display the list, press the Cursor Down or Up buttons until you select the channel you want to remove, then press the Cursor Right button.





Using Dual Screen and PIP

The Dual Screen feature, also referred to as Picture In Picture (PIP), will allow you to Picture Sound Features Channels TV choose the size of the dual screen window to Settings be displayed when the Dual Screen (or PIP) Demo T٧ General Clock Source button is pressed on the remote control. The Install Settings window can be set to Dual Screen, Large PIP, Demo or Small PIP. The MultiPIP button allows you Install to display either 3 or 6 PIP windows. Press the Menu button on the remote control to display the on-screen menu. Press the Cursor Down button to select "Settings." Clock Genera Source Settings Menu backgrou Press the Cursor Right button to select Sur the "General" menu. Dual screen format (11) INFO Freeze format Press the Cursor Down button repeatedly to select the "Dual screen format" control. A submenu or list of options will appear. MENL Settings OK Press the Cursor Right button to enter Menu background the list of options. Sur Dual screen format СН Dual screen Press the Cursor Up or Down button to Large PIP Freeze format Small PIP select the desire dual screen format. (3) Choose from "Dual screen," "Large PIP," or "Small PIP." (6) Genera 8 (9) Press the Menu button to remove the Settings on-screen menu from the TV screen. (\bullet) $(\mathbf{0})$ Press the Dual Screen/PIP button on ACITVE SOUND CONTROL PICTURE Dual screen format Dual screen the remote control to display the sec-()()(0)(0)Large PIP Small PIP ond video window in the format you 19 🔁 👥 🍭 have chosen. Continuing to hold the Dual PHILIPS Screen/PIP button will cycle through the Dual Screen PIP options. Press the Dual Screen button again to return the television to the main video screen. To display 3 PIP screens, press the MultiPIP button. To display 6 PIP screens, press the MultiPIP button again and briefly hold it until the screens appear. Large PIP Small PIP **Dual Screen** Press the MultiPIP button again to turn PIP off. See the next page for information on changing channels or input sources in the Dual or PIP screens. PIP 3 PIP 6

Changing Channels/Input Sources and Repositioning Dual Screen/PIP

12 1

When using Dual Screen:



A light-colored border indicates the selected screen. If the screen whose channel or input source you want to change is not selected, press the Cursor Right or Left button to select the desired screen.

To change channels in the selected screen, press the CH (Channel Selection) + or – buttons. Or:

To change the input source, first press the Source Select button. Then, within 6 seconds, press the Cursor Up or Down until your desired input source is highlighted. Press the OK button to confirm. The desired input source appears in the selected screen. **NOTE:** If the list of input sources "times out" (leaves the screen) before you can make your selection, press the Source Select button again to display the list again.

When using Large or Small PIP:

When the PIP window is on screen, press the Cursor Up or Down button to select either the main or PIP screen. A light-colored border surrounds the PIP screen when it is selected. The PIP screen must be selected before its channel or input source can be changed.

To change channels in the PIP screen, press the CH (Channel Selection) + or – buttons. Or:

To select a different input source, first press the Source Select button. Then, within 6 seconds, press the Cursor Up or Down until your desired input source is highlighted. Press the OK button to confirm. The desired input source appears in the PIP screen.

NOTE: If the list of input sources "times out" (leaves the screen) before you can make your selection, press the Source Select button again to display the list again.

To reposition the PIP screen:

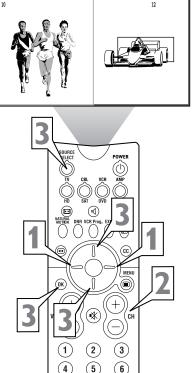
Press the Cursor Up or Down button. The ball and direction indicator appear on screen. Within 6 seconds, press the OK button. A multidirectional symbol appears on screen. **NOTE:** If the ball and direction indicator "time out" (leave the screen) before you press the OK button, simply press the Cursor Up or Down button again.

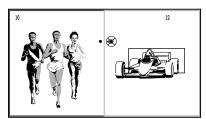
Press the Cursor Up, Down, Left, or Right buttons to move the PIP window to the desired location.

Press the OK button. The ball and direction indicator reappear and "time out" (leave the screen) in about 6 seconds.

When using PIP3 or PIP6:

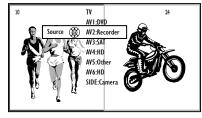
To change channels when in PIP3 or PIP6 modes, press the Cursor Right, Left, Up, or Down buttons to select the screen whose channel or source you want to change. Then follow step 2 or 3 in either section above to change channels or input sources.

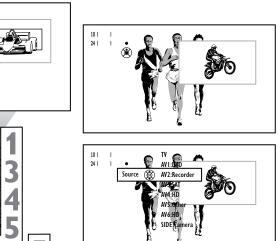




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ACITVE SOUND CONTROL PICTURE

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PHILIPS

Selecting a Picture Freeze Option

The Freeze control provides three ways for you to stop the action of programs. The Freeze control options allow you to get a better look at exciting sports plays or copy down broadcasted addresses or phone numbers. The steps below explain how to select an option.

Press the Menu button on the remote control to display the on-screen menu.

Press the Cursor Down button to select "Settings."

Press the Cursor Right button to highlight the "General" menu.

Press the Cursor Down button repeatedly to highlight the "Freeze format" control. A submenu will appear.

Press the Cursor Right button to enter the submenu.

Press the Cursor Up or Down button to select the desired freeze format. Choose from "Freeze," "Replay," or "Photo finish."

Freeze stops motion in the main screen image while the audio continues to play. **Replay** displays and replays a few seconds of stored video information in the single-PIP window.

Photo finish displays a series of frozen frames in six PIP windows. A TV picture consists of a series of frames.

7 8 Press the Menu button to remove the on-screen menu from the TV screen.

Press the Freeze Format button on the remote control to display the format you have chosen.

NOTE: Continuing to hold the Freeze Format button will cycle the TV through the Freeze modes. To return the television to the main video screen, press the Freeze button again.

Freeze Stops motion on the main screen.



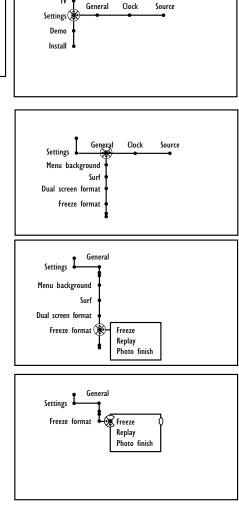
Replay Replays a few seconds of stored video.



Photo finish Displays six still frames from a TV picture while the current program continues to play on the main (center) screen. **NOTE:** Frame order will vary.

Picture Sound Features Channels TVG Settings TV Demo Install SELEC • (\mathbf{i}) (III) MENU OK +×. СН 3 6 5 8 9 ġ O \odot ACITVE SOUND CONTROL PICTURE PHILIPS

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HELPFUL HINT Replay and Photo Finish are not available with inputs AV3–AV6.

Resetting the Audio/Video Settings to Factory Default Values

You can reset the TV's Sound and Picture settings to the factory default values.

Press the Menu button on the remote control to display the on-screen menu.

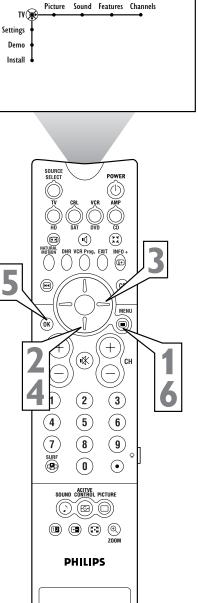
Press the Cursor Down button to select "Settings."

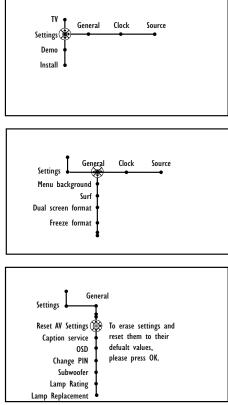
Press the Cursor Right button to select the "General" menu.

Press the Cursor Down button repeatedly to select the "Reset AV settings" control.

Press the OK button to reset the AV settings to factory values.

Press the Menu button to remove the on-screen menu from the TV screen.





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Selecting an On-screen Display Option

The television's on-screen display (OSD) can be set to show only the current channel num-Picture Sound Features Channels TV ber or the channel number with additional TV Settings operating modes and status-screen informa-T۷ Demo Clock General Source tion. Settings Install Dem Press the Menu button on the remote Install control to display the on-screen menu. Press the Cursor Down button to select "Settings." SOURCI Press the Cursor Right button to select POWER Clock Source Genera the "General" menu. Settings Menu background Surf Press the Cursor Down button repeat-Dual screen forma edly to select the "OSD" control. Freeze format INFO -Press the Cursor Right button to toggle between "Minimum" and "Normal." General Normal mode-the on-screen display Settings MENU stays on screen. Channel/Input source, (ок ۲ Reset AV settings call letters and program name (if pro-Caption service vided by the signal source), picture for-0SD 🛞 Minimum • Normal CH mat, and sound mode are shown. Time zone Daylight saving Minimum mode (default mode)-6 3 2 channel/Input source, call letters, and 5 6) program name (if provided by the signal source) are shown. The on-screen 9 7 8 General Settings display disappears after a few seconds. \bigcirc \odot In Minimum mode, the volume scroll **Reset AV Settings** bar will not be displayed when you Caption service ACITVE SOUND CONTROL PICTURE OSD í Normal • Minimum press the volume control. Change PIN Subwoofer Lamp Rating Press the Menu button to remove the Lamp Replacement on-screen menu from the TV screen. PHILIPS

Normal

Mode

10 WABC

Mono selec

Minimum

Mode

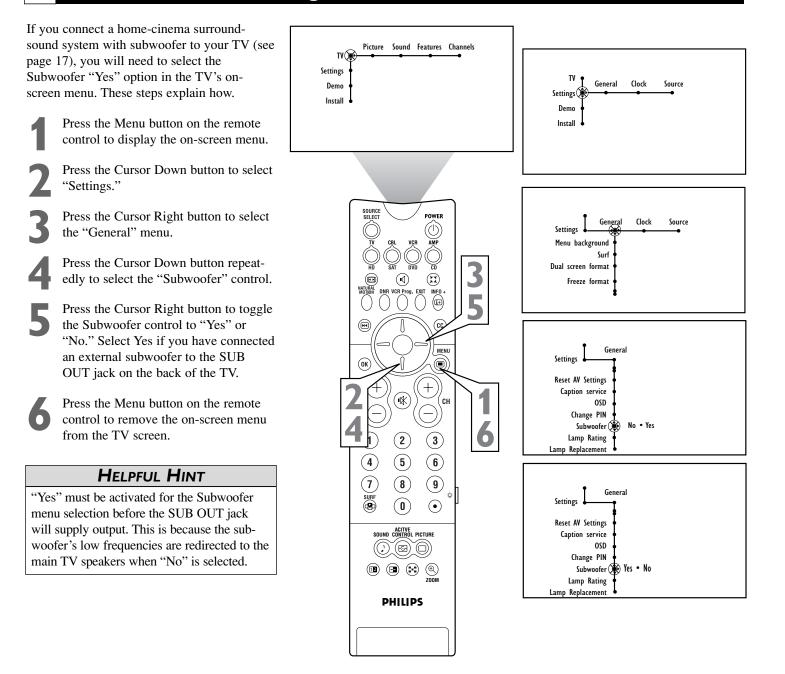
Setting up or Changing a PIN (Personal Identification Number)

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In the General menu, you can set up a new PIN number or change an existing one for the Picture Sound Features Channels TV Lock Channel feature. Settings TV Press the Menu button on the remote Clock Source General Demo Settings control to display the on-screen menu. Install Demo Install Press the Cursor Down button to select "Settings." Press the Cursor Right button to select the "General" menu. Clock Gene Source SELECT Press the Cursor Down button repeatedly to select either "Set PIN" or Menu backgrou Sur "Change PIN." Dual screen format **NOTES:** Freeze format INFO 4 • If no PIN exists yet, the menu will show "Set PIN." Simply follow the on-screen instructions to set your Genera PIN. Settings MENU • If a PIN has previously been entered, ۱ **Reset AV Settings** the menu will show "Change PIN." Caption service +OSD • All number combinations from 0000 (W) СН To change your PIN, Change PIN (please press OK. to 9999 are valid numbers. Subwoofer 9 Lamp Rating 3 Lamp Replacement (2 Press the OK or Cursor Right button to 5 6) begin the process. 4 7 (8) (9) Please enter your SURF current PIN. $(\mathbf{0})$ \odot Enter your current PIN using the Digit D buttons on the remote control. ACITVE SOUND CONTROL PICTURE If you have forgotten your PIN, you PIN can enter the overriding/default PIN 8 Cancel 0-7-1-1. PHILIPS Enter a new four-digit PIN. Please enter your new PIN. Re-enter your new PIN using the Digit buttons to confirm the code. Your PIN is now changed. PIN 🛞 ----Cancel Press the Menu button on the remote control to remove the on-screen menu General from the TV screen. Settings To confirm your new PIN, please enter it again. Change PIN (Your PIN has been changed. Subwoofe Lamp rating Lamp replaced PIN 💓 -----

Cancel

Setting the Subwoofer Control



Setting the Clock—Auto Clock Mode

There are several features which require the TV clock to be set. You can either set the clock manually or have the TV acquire the time from the appropriate TV channel.

Press the Menu button on the remote control to display the on-screen menu.

Press the Cursor Down button to highlight "Settings."

Press the Cursor Right button repeatedly to select the "Clock" menu.

Press the Cursor Down button to select Auto Clock Mode. Then Press Cursor Right Button to Select "Automatic" or "Manual." Select Automatic to have the TV acquire the time from a the TV signal. Choose "Manual" to set the time yourself.

If you choose to set the time Automatically you will need to set the "AutoClock Channel" by continuing with steps 5-8 below. If you select manual you will need to make the correct settings by continuing on page 66.

Auto Clock Channel



After following steps 1-4 above, press the Cursor Down button to select Auto Clock Channel.



Press the Cursor Right button to enter the channel list. Select your local PBS channel by using the Cursor Up or Down buttons to scroll through the channel list or inputing the the channel using the number buttons.

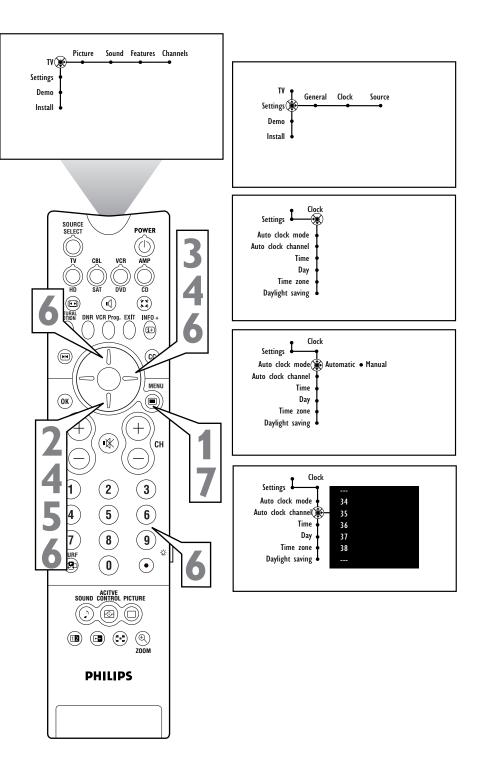


Press the Menu button on the remote control to remove the on-screen menu from the TV screen.

Next Set the Time Zone and Daylight Savings Time. See page 67 for instructions.

HELPFUL HINT

When the clock is set to "automatic" there will be a several second delay when the TV is turned on and off. During this delay the blue LED will blink. This is normal.



Setting the Clock Manually

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If you select Manual in the Auto Clock Mode, you need to set the time manually.

Press the Menu button on the remote control to display the on-screen menu.

Press the Cursor Down button to highlight "Settings."

Press the Cursor Right button repeatedly to select the "Clock" menu.

Press the Cursor Down button to select Time.

Press the Cursor Right and Up or Down buttons to select AM or PM.

Press the Cursor Right button and use the number buttons to enter the current time. (For example, enter 0, 8, 3, and 0 if the time is 8:30 or 1, 2, 4, and 5 if the time is 12:45.) You can also use the Cursor buttons (Up, Down, Right, Left) and scroll through each number. Press Cursor Right to move to the next place.

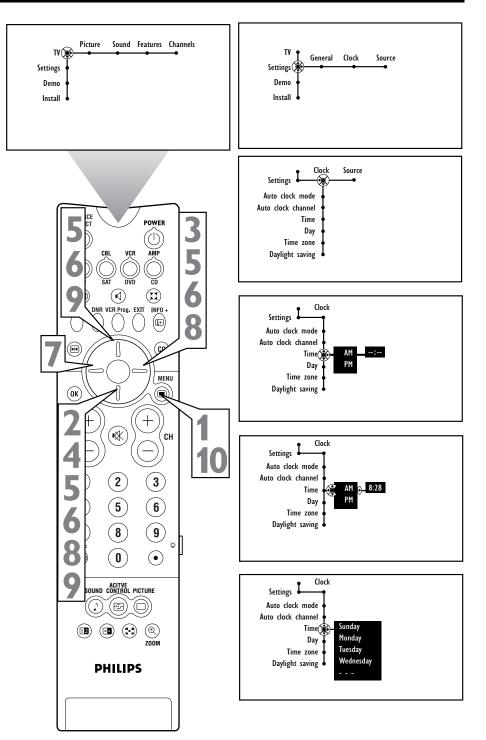
Next press the Cursor Left button repeatedly to back out to the Clock Menu.

Press Cursor Down to select "Day". Then press Cursor Right to enter the list of days.

Press the Cursor Up or Down buttons to select the current day.

Press the Menu button on the remote control to remove the on-screen menu from the TV screen.

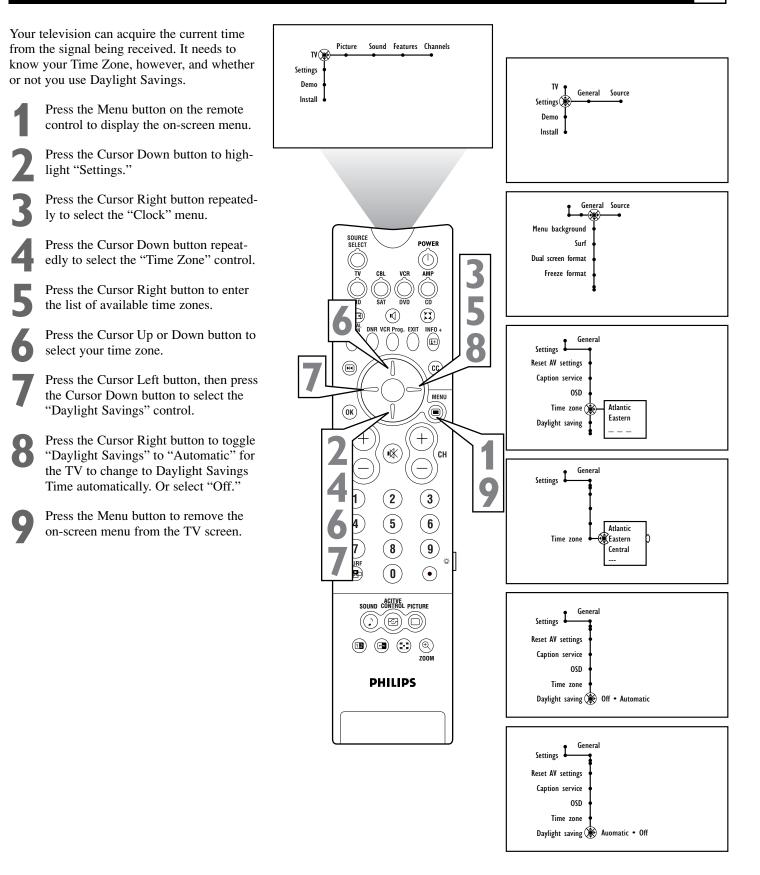
Next Set the Time Zone and Daylight Savings Time. See page 67 for instructions.



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Selecting a Time Zone and Setting the Daylight Savings Control

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Using Installation Features: Language and Autoprogram



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



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Press the MENU button on the remote control to show the on-screen menu.

Press the Cursor Down button repeatedly until "Install" is selected.

Press the Cursor Right button to shift the menu to the left and select "Language" or "Autoprogram."

For Language:

Press the Cursor Down button to select English, Español (Spanish), or Francais (French).

After you have made your language selection, press the OK button to confirm your selection.

Press the MENU button to remove the on-screen menu from the TV screen.

For AutoProgram:

Press the Cursor Down button to select "Install" mode control.

Press the Cursor Right button to display a list of Install mode options: "Antenna," "Automatic," "Cable."

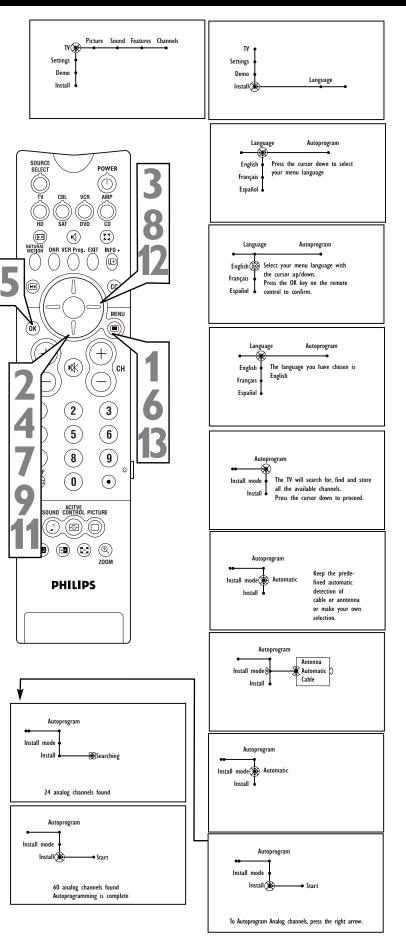
Press the Cursor Up or Down button to select one of the options. Select "Antenna" for normal outside- or insidetype antenna. Select "Cable" for a cable company supplied signal. When "Automatic" is selected, the TV will automatically set the mode based on the type of signal it detects coming into the TV. The programming process may be faster if you choose the specific type of connection you have made, either Antenna or Cable.

Press the Cursor Left button after making your "Install" mode selection.

Press the Cursor Down button to select "Install."

Press the Cursor Right button to start the programming process.

Press the Menu button to remove the on-screen menu from the TV screen when the Autoprogramming process has finished.



CLEANING THE TV

WARNING

To avoid possible shock hazard, be sure the TV is unplugged from the electrical outlet before cleaning.



Be sure the TV is unplugged before cleaning it.

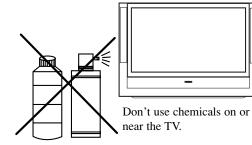
Cleaning the Cabinet

- Regularly dust the TV cabinet with a dry, nonscratching duster.
- Gently wipe the cabinet surfaces with a soft, clean cloth. Even if the surfaces are very dirty, do not apply cleaner to them directly. Soak the cloth in a solution of cool, clean water and mild soap or detergent. Wring out the cloth and wipe the cabinet surfaces clean. Then use a clean, dry cloth to dry the wiped surfaces.
- Occasionally vacuum the ventilation slots on the back cover of the set. See the next section on "Cleaning or Replacing the Filters."
- Never use thinners, insecticide sprays, or other chemicals on or near the cabinet, as they might cause permanent marring of the cabinet finish.
- The television contains plastic parts. DO NOT use benzine, thinners, or other chemicals to clean. DO NOT use insecticide or other volatile substances nearby. DO NOT allow the TV to come into contact for extended periods of time with rubber or vinyl products.

Use a nonscratching duster.

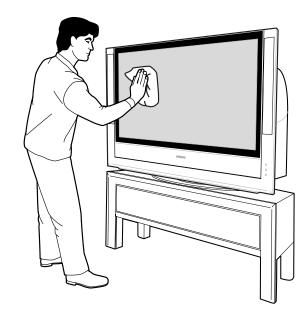


Soak the wiping cloth in cool, clean water and mild detergent. Then ring the cloth out before using.



Cleaning the Screen

• Use a dry soft cloth to wipe the screen. Use even, easy, vertical strokes. Take care not to scratch or damage the screen surface. Avoid wearing jewelry or using anything abrasive.







Cleaning or Replacing the Filters

The Cineos TV has two filters that cover air inlets on the bottom of the set. Maintaining a free flow of air through the inlets is very important. If the air filters become dirty, clogged, or blocked, the temperature in the set will rise.

Should the heat level become too high due to blockage, a sensor detects this, and a warning message appears on screen alerting you to check the air inlets for blockage. The message will be displayed for 6 seconds. It reappears every 15 minutes as long as the temperature remains too high.

If the internal temperature of the TV rises to high, a warning message alerts you that the TV is shutting down. If the temperature remains at this high level for 1 minute, the TV will enter Standby mode. In Standby mode, the TV is off.

Be sure the TV is not placed on a surface (such as a shag carpet) that will prevent the free flow of air through the inlets, and periodically clean or replace the filters as detailed in the following instructions.

WARNING: Do not tip the TV when removing or installing the filters. This may result in instability of the TV.



Place your fingers under one of the filter slots located at either bottom left or right in back of the TV cabinet.

2

Grasp the filter and gently pull it straight out.

Examine the filter for dust or other contamination. If it is dirty, clean it with a vacuum cleaner. DO NOT WASH it. Replace the filter if vacuuming does not sufficiently clean it.

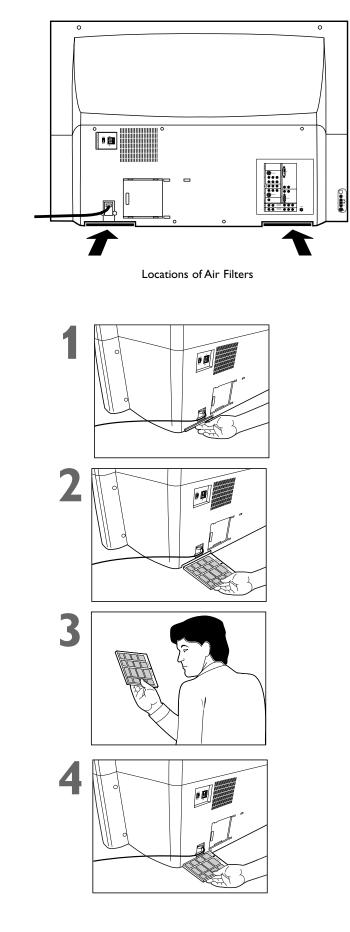
To order replacement filters, call the Philips Customer Care Center at 1-800-531-0039. The part number for the Philips TV inlet filter assembly is 3135 037 51810.

WARNING:

DO NOT operate the TV without filters. This will cause serious damage to the TV.



Turn the filter so that the arrow is pointing toward the center of the TV. Align the edges of the filter with the slot track, then gently slide it all the way back into the slot. A click sound can be heard as the filter reaches the correct position.



Replacing the Lamp

The Cineos TV uses a lamp with a limited lifetime to illuminate the picture. A Lifetime counter in the TV records the operating time of the lamp. One hundred hours before the lamp reaches the end of its life, a warning message will appear on screen. This will allow you to prepare to replace the lamp or take action right away. The message will disappear within 6 seconds. It will reappear each time the TV is turned on until the lamp is replaced.

To order a replacement lamp, call the Philips Customer Care Center at 1-800-531-0039. A Philips associate will be happy to assist you. The part number for the Philips TV replacement lamp is 3122 438 71310.

Here are the steps for replacing the lamp:

Power off the TV. Unplug the TV.

2 The lamp door is located on the back of the TV next to the power cord. Gently slide the door completely to the right to open.

CAUTION: The lamp gets extremely hot. Allow a cool-down time before removing the lamp.

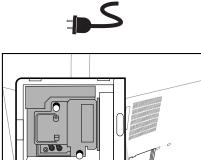
3

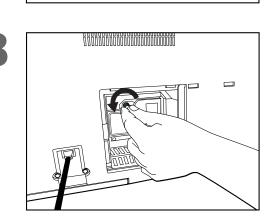
Unscrew the thumb screws until they are dangling.

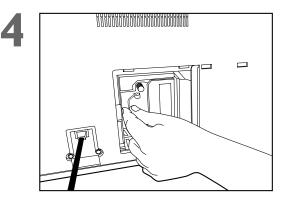
Lift the handle out.

Continued on page 72.

A blinking orange light in the Active Standby Window means that the lamp needs to be replaced.







Replacing the Lamp

Continued from page 71.



CAUTION: When removing the lamp, do not touch the glass envelope. It may still be hot.

Grasp the handle, then pull out and slightly down to remove.

WARNING: The lamp contains mercury. Dispose of the lamp in accordance with local, state, and federal regulations.



CAUTION: When installing the new lamp, do not touch the glass envelope. Oil from skin can reduce lamp life.

Align the groove on top of the new lamp's housing with the corresponding groove pocket inside the TV, then slide the new lamp into place.

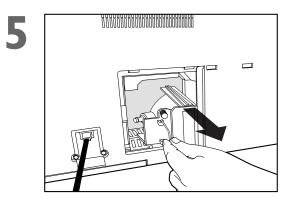
Tighten the thumb screws clockwise until finger tight only. Do not overtighten.

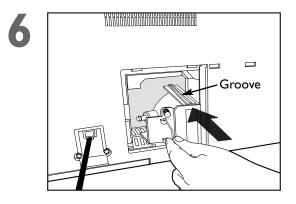


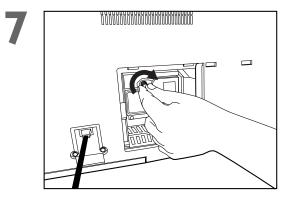
Slide the lamp door closed.

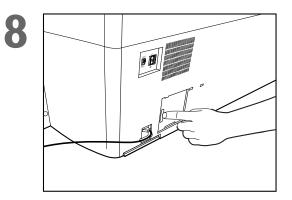
IMPORTANT: The door must be closed completely to the left. Otherwise, the TV will not operate.

Go to page 73 for instructions for setting the Lamp Rating and resetting the Lamp Lifetime Counter.











Go to page 73 for instructions for resetting the Lamp Lifetime counter through the TV's on-screen menu.

Resetting the Lamp's Lifetime Counter

After installing a new lamp in the TV, you need to enter the "Lamp rating" list in the onscreen menu and select the alphabetical code that is provided with the lamp. The recommended Philips replacement Lamp is rated for 6000 hours, an F rating

The next step is to use the "Lamp replaced control" to tell the TV that you have installed a new lamp. This control resets the Lifetime Counter to 0 for the new lamp and begins keeping track of the lifetime of the new lamp.

Press the Menu button on the remote control to display the on-screen menu.

Press the Cursor Down button to select "Settings."

Press the Cursor Right button to select the "General" menu.

Press the Cursor Down button repeatedly until "Lamp rating" is selected.

Press the Cursor Right button to enter the rating list.

If necessary, press the Cursor Down button as many times as necessary to select the letter for your replacement lamp.

Press the Cursor Left button to return to the "General" menu.

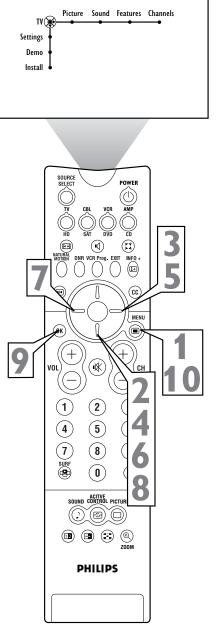
Press the Cursor Down button to select "Lamp replaced."

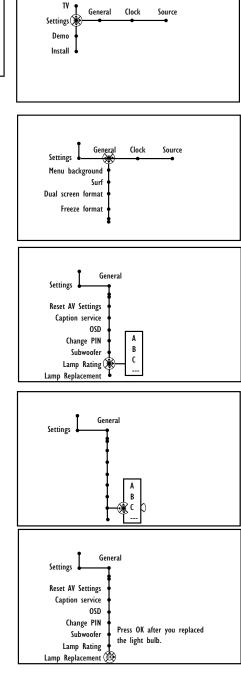
Press the OK button to confirm that you have changed the lamp.

Press the Menu button to remove the on-screen menu from the TV screen.

HELPFUL HINTS

- One hundred hours before the lamp reaches the end of its life, a warning message will appear on screen to alert you. Changing the lamp at this point is recommended for optimal performance.
- A blinking orange light on the front of the set means that the lamp is not working anymore and needs to be replaced.





Review This List of Symptoms and Checks Before Requesting Service

You may be able to solve the problem yourself. Charges for TV installation and adjustment of customer controls are not covered under your warranty.

If you need to call a customer service representative, please know the model number and serial number of your product before you call. This information is displayed on the back of the product. Also, please take a moment to identify the problem you are having, and be prepared to explain this to the representative. If you believe the representative will need to help you with operations, please stay near the product. Our representative will be happy to assist you. **To reach our Customer Care Center, call 1-800-531-0039**.

TV-related Checks

The TV won't switch on.

- Make sure the power plug is plugged in.
- If you're using the TV remote control to turn the TV on, be sure the remote is in TV mode. (page *Q6)
- Plug something else in to be sure the wall outlet (or extension cord) is receiving power.
- The remote control could have a problem. See the troubleshooting section "Remote-related Checks" on page 74.
- Make sure the lamp door is not ajar. The TV is designed not to operate with the lamp door open. (pages *Q1, 71)
- If a red light is blinking on the front of the TV, the set has entered protection mode. If this happens it usually means you simply need to reset the TV. Unplug the TV for 60 seconds. Then plug the TV in and try to switch it on. If the light is still blinking red, call the Customer Care Center at 1-800-531-0039.

The TV switches off unexpectedly.

- If the lamp door is open, the TV will shut down. The TV is designed not to operate when the lamp door is ajar.
- If a red light is blinking on the front of the TV, the set has entered protection mode. Unplug and plug the set back in a couple of times and try to switch it on. If the problem persists, contact the Customer Care Center at 1-800-531-0039.
- The Sleeptimer may have been set to turn the TV off. Turn the TV back on if desired. (page 48)

The TV switches on unexpectedly.

• The On Timer may have been set. (page 49)

An on-screen message tells you that it is time to replace the lamp.

• The message appears on screen when the lamp has 100 hours of life left, and will reappear each time the TV is turned on until the lamp is replaced. Prepare to replace the lamp or take action right away. (pages 70–72)

An on-screen message instructs you to check the air inlets for blockage.

• Check the air inlets and filters for blockage and clean or replace the air filters as necessary. (pages 68-69)

You have a picture but no sound.

- Make sure Mute is not on. (page *Q6)
- The TV speakers may be turned off. Make sure the Center Channel Amp Switch on the back of the TV is in the INT position. (page 7)

You have no picture.

- If you have made a connection to the TV's Tuner jack be sure to use Autoprogram. (page *Q8).
- If you want to view materials from an accessory device (DVD player, VCR, or satellite receiver, for example) be sure you have selected the input source to which you have connected the device—AV1, AV2, AV3, AV4, AV5, AV6, or Side. (pages *Q4, *Q6, 10–16, 18, 20)
- Make sure you have made connections correctly. (pages *Q3–5, 10–16, 18, 20)

You have no picture and no sound.

• If you see a blinking orange light on the front of the set, this means that the lamp needs to be replaced. (pages 70–72)

You see scrolling images.

• Make sure you have made connections correctly. (pages *Q3–5, 10–16, 18, 20)



TV-related Checks (continued from page 73)

The picture appears doubled or tripled.

• If you are using an antenna, be sure it is facing in the correct direction. Also, check to see if it may be receiving signals that are being reflected off of mountains or buildings.

The picture shakes or is not clear.

- If you are using an antenna, make sure it is not broken or shorted, and make sure the antenna cable is connected properly and securely.
- If you are using a VCR and selecting channels on the TV, make sure the TV/VCR mode on the VCR is set to TV.

The picture has no colors or colors are not correct.

- Make sure you have made connections correctly. (pages *Q3–5, 10–16, 18, 20)
- If you have connected accessory equipment, such as an HD satellite receiver, make sure the color setting on the accessory equipment is correct. See the user manual for the HD satellite receiver.

The TV sound has an unusual quality.

• Check the TV's Equalizer control to be sure it is set to the option you want. (page 39)

Remote-related Checks

The remote control does not work.

- Make sure nothing is blocking the path between the remote control and the TV or accessory device you want to operate.
- Make sure you point the remote directly at the TV or accessory device you want to operate.
- If you want to operate the TV, make sure the remote is in TV mode. If you want to operate an accessory device, program the remote for the device if necessary and make sure the remote is in the appropriate mode for the device. (pages *Q6, 22–26)
- Make sure you have installed the batteries correctly. (page *Q6)
- The batteries could be dead. When the batteries in the remote run low, the remote will send a "Battery Low" command to the TV. The TV will then display a message on the screen reminding you to replace the batteries as soon as possible.
- You may want to try taking the remote batteries out and putting them back in. **NOTE:** After taking the batteries out, you may need to reprogram the remote for use with accessory devices.



Product Specifications

Picture

- Screen Size 44PL9523: 44" measured diagonally 55PL9523: 55" measured diagonally
- Visible Screen Size 44PL9523: 44" measured diagonally 55PL9523: 55" measured diagonally
- Aspect ratio: 16:9
- Display technology: Philips single-panel liquid crystal on silicon (LCOS)
- Flicker free; perfect convergence
- Resolution: 1280 x 720
- 1080i HD performance and line doubling
- Brightness: 450 Nits
- Contrast ratio: 400:1
- Screen protector with anti-glare coating
- Digital Natural Motion™
- Active Control[™]
- Widescreen Plus
- Picture Freeze

Sound

- Sound system: Hi-fi Stereo
- Virtual Dolby* Surround processing
- Output: 2 x 20W RMS at 2% distortion
- Frequency response: 20Hz-15kHz, +1/-3dB (ampl.)
- Loudspeaker configuration: two 2"/two 5"
- Control: Volume, 5-band Audio Equalizer Controls (with adjustments at 120Hz, 500Hz, 1.5KHz, 5KHz, and 10KHz), Balance, AVL (on/off), and Headphone (volume, balance)
- Center channel input
- Subwoofer out

Operation

- Easy, menu-driven installation and operation; direct-access menus and cursor control
- Selection of three menu languages: English, French, and Spanish
- On-screen status display on programs and functions (on-screen display)
- Sleeptimer
- Favorite channel listing
- AutoLock[™] to protect children from objectionable programming

Design and specifications are subject to change without notice.

Parts that will need to be replaced at some point during the life of the product:

- Philips TV inlet filter assembly: part number 3135 037 51810
- Philips TV lamp: part number 3122 438 71310.
- To order the parts, contact the Philips Customer Care Center at 1-800-531-0039.

- with V-chip technology
- Closed Captioning
- AutoPicture[™] control: Soft, Natural, Rich, Multimedia, Personal
- AutoSound[™] control: Movie, Speech, Music, Personal
- Eight widescreen modes: Automatic, Super Zoom, Panoramic, 4:3, Movie Expand 14:9, Movie Expand 16:9, 16:9 Subtitle, and Wide Screen
- Subtitle and heading shift (scroll the screen with the cursor buttons)
- Auto Format/Auto Screen Fit
- Smart Clock

Miscellaneous

- Mains: AC 110V ± 10%
- Power consumption: Normal operation: 233W Standby: <1W
- Input and output jacks (see page 7)
- Product dimensions (d x w x h)
 44PL9523: 14.6" x 46.7" x 31.7"
- 55PL9523: 17.4" x 56.6" x 38.1"
- Product weight (excluding packaging) 44PL9523: 73.1 lbs 55PL9523: 95.5 lbs
- Universal remote control: RC2043, universal RC managing TV and accessory devices

Supporting Features

- Digital Color Transient Improvement (CTI)
- Picture Freeze
- Auto Aspect Ratio Adaptation
- Incredible Surround™
- Automatic Volume Leveler (AVL)
- Independent headphone volume control
- Easy Tune[™] (auto search, auto tune, auto install)
- Alternate channel
- AutoSurf[™]
- Low-power standby (<1W)

Supplied Accessories

• Remote control with two "AA" size batteries

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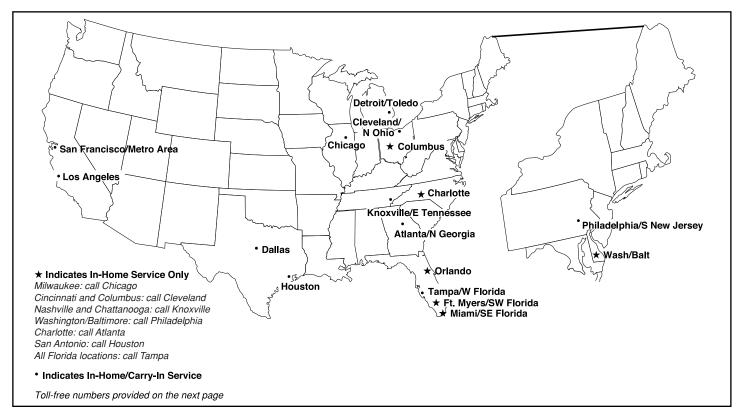
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*Q refers to the Quick Use and Setup Guide that came with your TV.

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Factory Service Locations



NOTE: If you reside in one of our Philips Factory Service Branch areas (see the directory on the next page), 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)

<u>Au Canada</u>

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 á: 1-800-661-6162 (Francophone) 1-800-531-0039 (Anglais ou Espagnol)

En el Canadá

Cómo recibir servicio efficiente para su producto, en persona, por correo o a domicillo Favor de comunicarse con Philips al: 1-800-661-6162 (francófono) 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 Building 2 Knoxville, TN 37914 800-821-1767

PHILADELPHIA

Philips Factory Service 354 Dunks Ferry Rd. Bensalem, PA 19020 800-847-9320

Limited Warranty

PHILIPS TELEVISION

One Year Free Labor One Year Free Service on Parts 30 days Free Service on Television Screen 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 one year thereafter (30 days for the TV screen), all parts will be repaired or replaced, and labor and transportation are free. After one year from the day of purchase, you pay for the replacement or repair of all parts and for all labor and transportation 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...

Repair must be performed by an authorized service center or a factory service center. If you do not live near a factory service center, contact your dealer. If your dealer is an authorized service center, he will arrange repair. If your dealer is not an authorized service center, he will direct you to the authorized service center engaged by him to service the products he sells.

(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.)

(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.)

IF YOU HAVE QUESTIONS...

Please contact Philips at:

I-800-531-0039, if calling from the USA (English or Spanish Speaking)
I-800-661-6162, if calling from Canada (French Speaking)
I-800-531-0039, if calling from Canada (English or Spanish Speaking).

REMEMBER...

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

MODEL# __

SERIAL #

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

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

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