

Instructions for use

Let's make things better. PHILIPS MAGNAVOX

3135 015 07372

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Because of continuous product improvements, the information mentioned in the documents accompanying your product are subject to change without notice.

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SET-UP AND QUICK USE GUIDE

Use the simple Set-Up Guide (supplied with your TV information packet) for details on:

- Antenna Hook-ups
- First Time Set-Up (Automatic Settings)



- Basic TV and Remote Control Operation
- On-Screen Menu Use

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

Features



First Time Set Up - automatically sets the TV for local channels and the correct picture signal (antenna or cable). It even helps you make the necessary connections for the Picture-In-Picture (PIP) feature. See your Set-up and Quick Use Guide for details.

Infrared Remote Control - operates your TV set and a variety of wireless remote control VCRs and Cable TV Converters.

Standard TV broadcast (VHF/UHF) or Cable TV (CATV) channel capability.

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

Automatic Programming of channels - for quick and easy selection of favorite stations available in your area.

Picture-In-Picture (PIP) - can show a TV program and the direct video output from an accessory (VCR, etc.) onto the TV screen at the same time.

Stereo TV - with a built-in audio amplifier and a twin speaker system, reception of TV programs in both broadcast stereo sound or (SAP) bilingual broadcast are available.

On-Screen Features - display helpful information for the setting of TV controls (such as help messages, operating tips and glossary).

Parental Controls - for "censoring" or blocking out channels to keep children from watching undesirable programming.

Audio/Video Jacks - for direct connections with VCRs (and other accessories) for quality TV picture and sound playback.

Surround Sound - external audio speaker connections.

Sleep-Timer - automatically turns the TV OFF at preset time intervals.

Smart Button - for the control of TV Sound and Picture levels. Use the Smart Button on the remote to quickly adjust Smart Sound (to set TV Volume levels during program changes or commercial breaks); Smart Picture (for programmed video level adjustments on a variety of program sources); and Smart Surf (for quick one button channel selection of up to 10 of your favorite channels). As you unpack your TV please note that the following items have been included with your set:

- Owner's Manual
 - Safety Tip Information
 - Factory Service Center Locations
- Warranty Registration Card
- Remote Control Transmitter
- Batteries for Remote Control Use

Please take a few minutes to complete your registration card. The serial number for the TV is on the back of the set.

Refer to the back of this manual for instructions on the cleaning and care of the TV.

End-of-Life disposal

Your new projection television and its packaging 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 which need to be properly disposed.

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

Please find out about the local regulations on how to dispose of your old television, batteries, and packaging materials whenever you replace existing equipment.

PICTURE MENU CONTROL ADJUSTMENTS

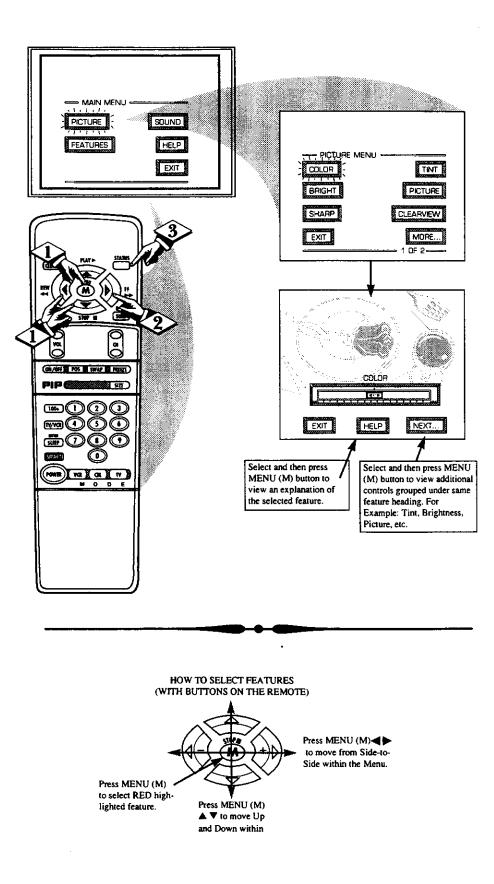
COLOR, BRIGHTNESS,

SHARPNESS, TINT, PICTURE To adjust your TV color and picture controls, select a TV channel and follow the steps shown below: (BEGIN) 1> Select BRIGHTNESS, PIC-TURE, COLOR, TINT, or SHARPNESS picture control. With the PICTURE MENU on screen, move the RED highlight with the MENU (•) buttons. Then press the MENU (M) button. **2** Press the (+) or (-) buttons to adjust the selected control. 3> Press the STATUS button to clear the screen. STOP SMART HELP Remember. When the bar scale is centered, control settings are at normal mid-range levels. BRIGHTNESS Press (-) or (+) until dark parts of the picture show good detail. PICTURE Press (-) or (+) until whitest parts of the picture are as bright as you prefer.

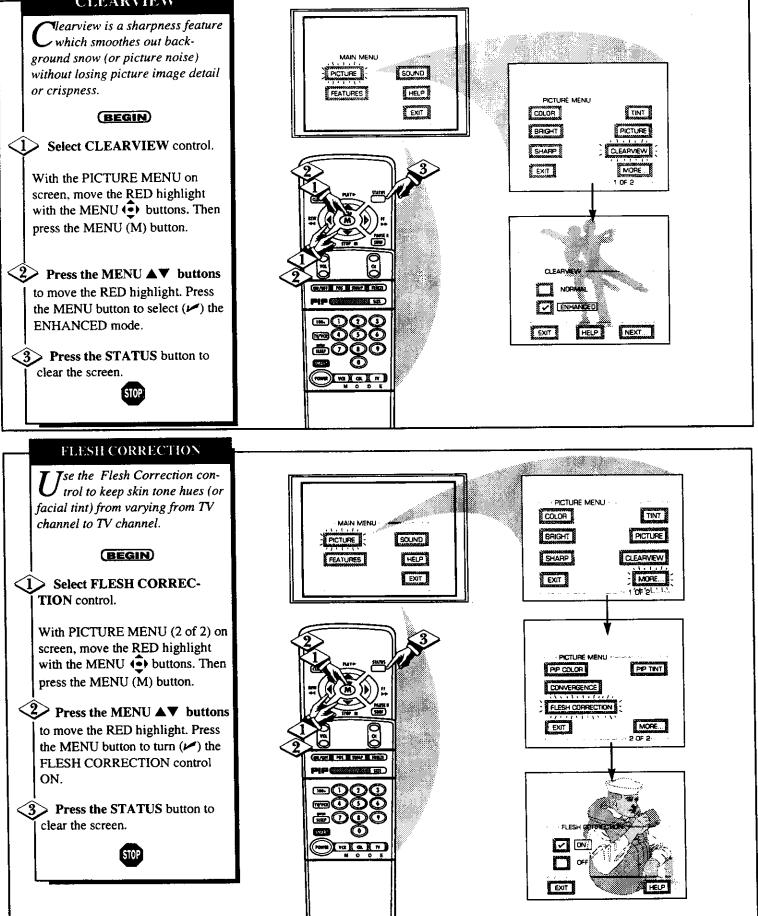
COLOR Press (-) or (+) to add or eliminate color.

TINT Press (-) or (+) to obtain natural skin tones. (Also see Flesh Correction on page 9 for more information).

SHARPNESS Press (-) or (+) to improve detail in the picture.



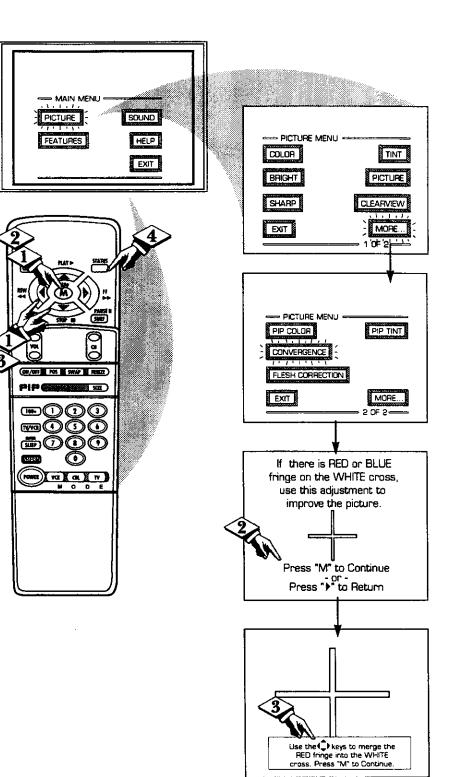
CLEARVIEW



RED/BLUE CONVERGENCE Nonvergence is the correct lining up of the red and blue light paths on the TV screen. NOTE: If no color fringing (see Smart Help) shows, then no Convergence adjustments are necessary for your TV. (BEGIN) <1> Select CONVERGENCE control. With PICTURE MENU (2 of 2) on screen, move the RED highlight with the MENU (•) buttons. Then press the MENU (M) button. Section 23 If there is RED or BLUE color fringing on the White cross, press the MENU button to continue. Solutions
Solutions to move the red or blue cross directly over the white cross on the TV screen. The red or blue cross is properly adjusted when it is completely merged with the white cross. (No color appears around the edge of the white cross). **4** Press the STATUS button to clear the screen when convergence adjustments are complete. STOP SMART HELP Remember. Convergence has been set at the factory for best viewing, but if one or more of the (red or blue) colors appear around the edges of objects (color

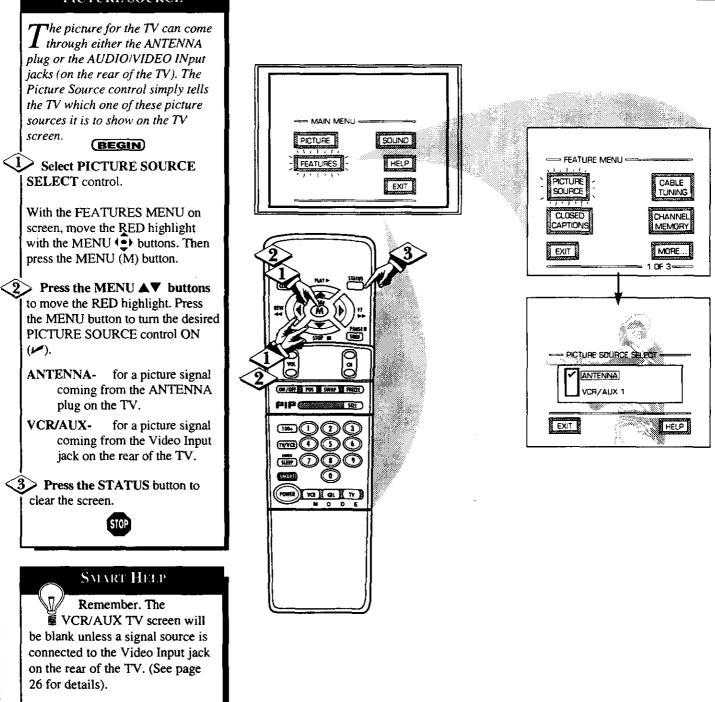
fringing) follow the steps given in

this section.



FEATURE MENU CONTROL ADJUSTMENTS

PICTURE SOURCE



CLOSED CAPTION

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

(BEGIN)

Select CLOSED CAPTIONING

With the FEATURES MENU on screen, move the RED highlight with the MENU () buttons. Then press the MENU (M) button.

2 Press the MENU ▲▼ buttons to move the RED highlight. Press

the MENU button to select (\checkmark) the desired Closed Caption mode - For Example: "ALWAYS ON" and "CAPTION 1".

CAPTION 1, 2, 3, 4: dialogue (and descriptions) for the action on the captioned TV program shows on-screen. (See Important Note on this page.)

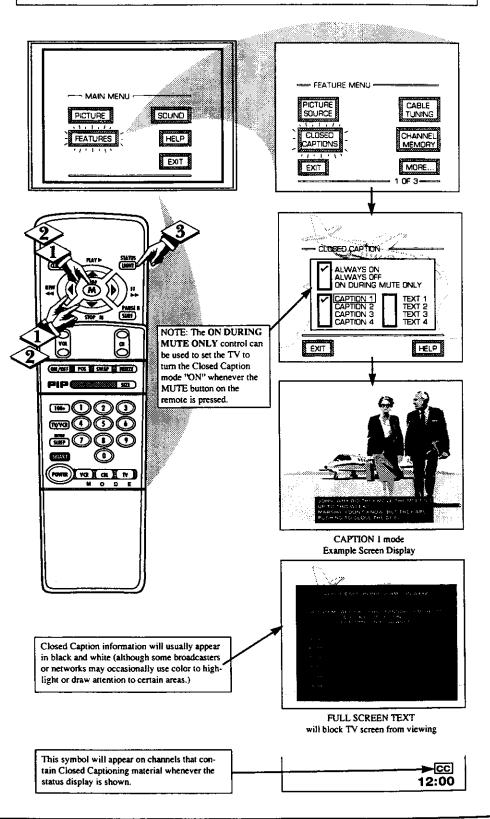
TEXT 1, 2, 3, 4: often used for channel guide, schedules, or bulletin board information for CC programs.

After making your Caption mode selection, press the STATUS button to clear the TV screen. The selected Closed Caption mode will be active.

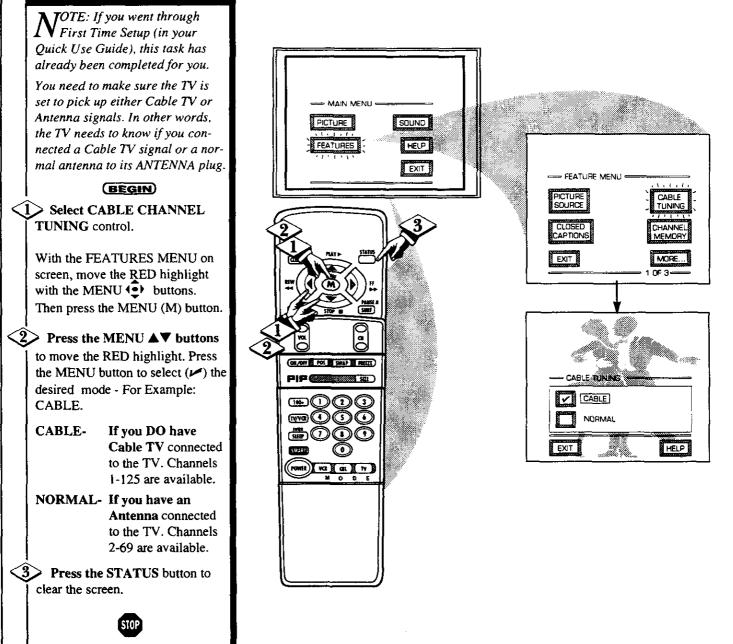
To cancel, set the Closed Captioned feature to OFF when finished view-ing.

SMART HELP

Remember. Broadcast stations will often use spelling abbreviations, symbols, dropouts and other grammatical shortcuts in order to keep pace with the on-screen action. These type factors vary upon the source of the captioned text material and do not indicate a need for service on the part of the TV. **NOTE:** Not all TV programs and product commercials are made for broadcast with Closed Caption (CC) information included. Neither are all Closed Caption modes (CAPTION 1-4; or TEXT 1-4) necessarily being used by a broadcast station during the transmission of a closed caption program. Usually "CAPTION 1" is the most used mode to view captioned material. Refer to your area's TV program listings for the stations and times of Closed Caption shows.



CABLE TUNING



CHANNEL MEMORY AUTO-PROGRAMMING

NOTE: If you went through First Time Setup (in your Quick Use Guide), this task has already been completed for you.

Your TV can automatically set itself for local area (or Cable TV) channels. This makes it easy for you to select only the TV stations in your area when the CHANNEL $\blacktriangle \forall$ buttons are pressed.

(BEGIN)

Select CHANNEL MEMORY (START AUTO-PROGRAM-MING) control.

With the FEATURES MENU on screen, move the RED highlight with the MENU () buttons. Then press the MENU (M) button.

2 Press the MENU button to turn AUTO-PROGRAMMING ON .

The TV shows which channel numbers are "SAVED" (\checkmark) as they are added into memory.

"Auto-programming CHANNEL MEMORY is finished" shows when the TV is through adding channels.

3 Press the STATUS or Menu (M) | button to clear the screen.



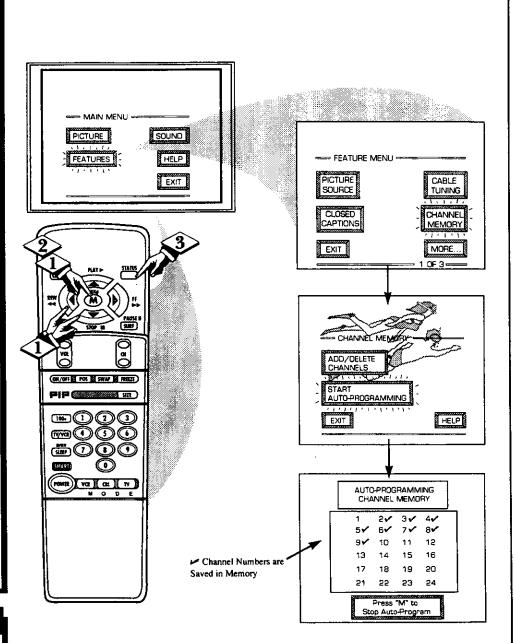
SMART HELP

Try it out. Press the CHANNEL▲▼ buttons and

see which channels you can select. Remember. An Antenna or Cable TV

signal must first be connected to your TV so that channels can be saved.

If you want to delete any unwanted channels from the TV's memory, see "ADD/DELETE CHANNELS" on page 14.



ADD/DELETE CHANNELS

Auto-Programming (see page 13) adds all the channels it can find (on your Antenna or Cable TV system) into the TV's memory. Add/Delete Channels makes it easy for you to add other channels, or drop unwanted channels, from the list of channels in the TV's memory.

(BEGIN)

Select CHANNEL MEMORY (ADD/DELETE CHANNELS) control.

With the FEATURES MENU on screen, move the RED highlight with the MENU () buttons. Then press the MENU (M) button.

Press the CHANNEL ▲▼ or number buttons to select the channel you want to add or delete.

Solution (3) Press the MENU ► button to ADD the channel into the TV's memory.

Repeat steps 2 and 3 for each channel you wish to add or delete.

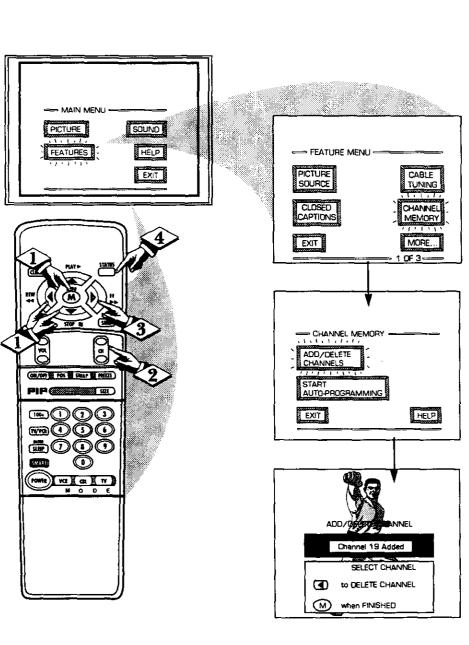
4 Press the STATUS or MENU button to clear the screen.



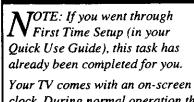
SMART HELP

Remember. You can also add the VCR/AUX mode just like a channel. Then by pressing the CHANNEL \blacktriangle buttons the VCR/AUX mode can quickly be selected to use the Input jacks on the rear of the TV (see page 26).

Note: "VCR/AUX" mode is located between the lowest and highest channel numbers within the ADD/DELETE CHANNEL control screen.



SET CLOCK



clock. During normal operation the clock appears on the screen with every channel change (and when the STATUS button is pressed).

(BEGIN)

Select SET CLOCK control.

With FEATURES MENU (2 of 3) on screen, move the RED highlight with the MENU (*) buttons. Then press the MENU (M) button.

2 Press the remote's number | buttons to set the time clock.

Press the STATUS button to set the clock in operation and clear the screen.

SMART HELP

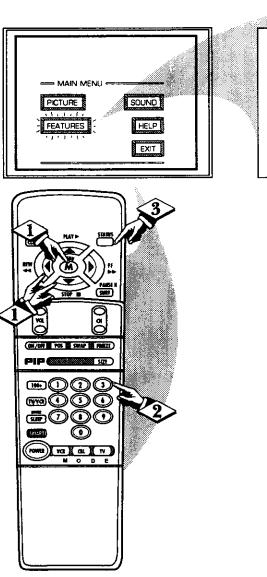
STOP

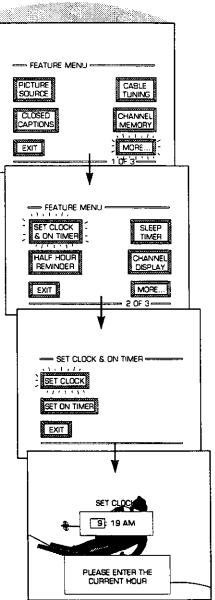
Remember, be sure to press "0" first and then the hour number for single digit entries.

The remote's MENU (buttons can also be used to set the hours, minutes and AM/PM portions of the clock.

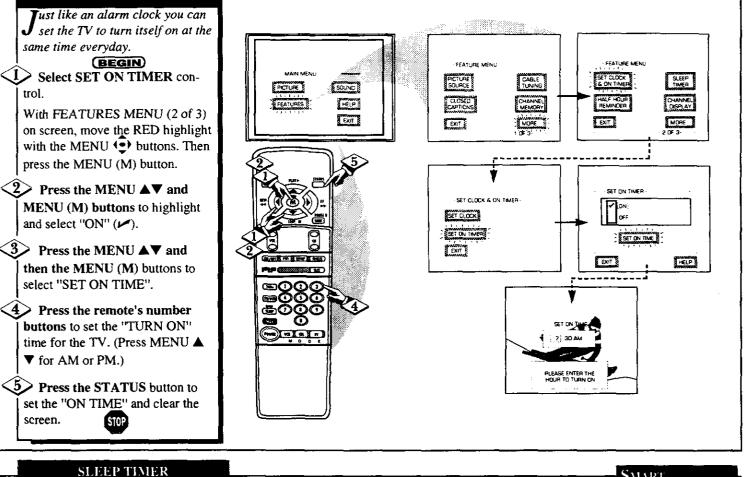
TV Clock settings may be lost when the TV is unplugged (or AC power to the set is interrupted.)

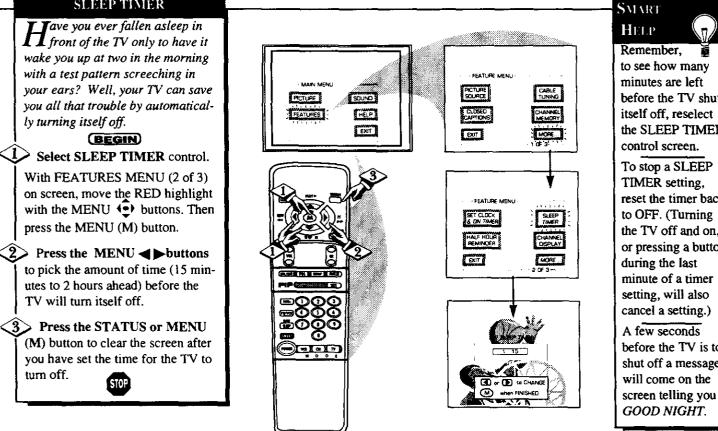
You can also set the TV Clock automatically if you follow the First Time Set-up procedure for the Smart Clock feature.





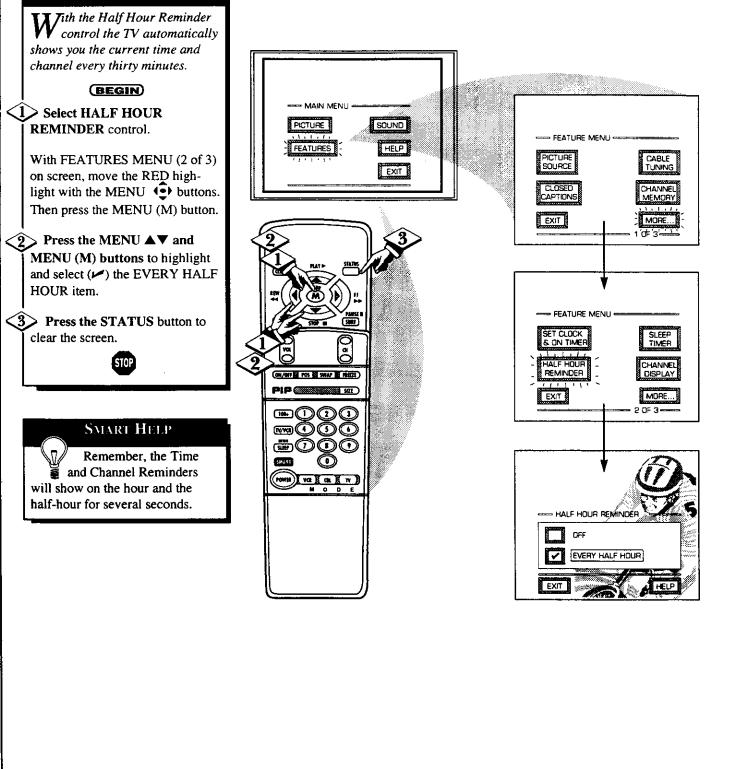
SET ON TIMER





to see how many minutes are left before the TV shuts itself off, reselect the SLEEP TIMER control screen. To stop a SLEEP TIMER setting. reset the timer back to OFF. (Turning the TV off and on, or pressing a button during the last minute of a timer setting, will also cancel a setting.) A few seconds before the TV is to shut off a message will come on the

HALF HOUR REMINDER



PARENTAŁ CONTROL

Parental Control allows parents to block out, or "censor", any channels they think children should not watch. A channel placed under Parental Control cannot be viewed until a correct access code is used to unlock the channel for viewing.

First let's set your Parental Code:

Select the PARENTAL CON-

With FEATURES MENU (3 of 3) on screen, move the RED highlight with the MENU (1) buttons. Then press the MENU (M) button.

"BLOCK CHANNELS" and "SETUP CODE" show on screen.

2 Press the MENU ▲▼ and MENU (M) buttons to highlight and select the SETUP CODE item.

3 Press 0, 7, 1, 1 on the remote.

"XXXX" shows on the ACCESS CODE SETUP screen as you press the number buttons.

"INCORRECT ACCESS CODE -TRY AGAIN" will also show on the screen.

Press 0, 7, 1, 1 on the remote again.

"Next Enter Your New Access Code" shows on the screen.

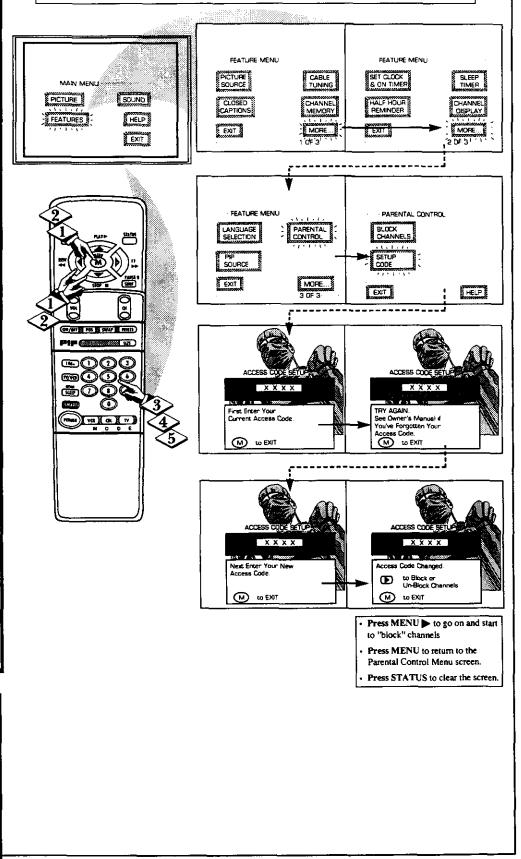
5 Enter a new four digit number | code using the remote.

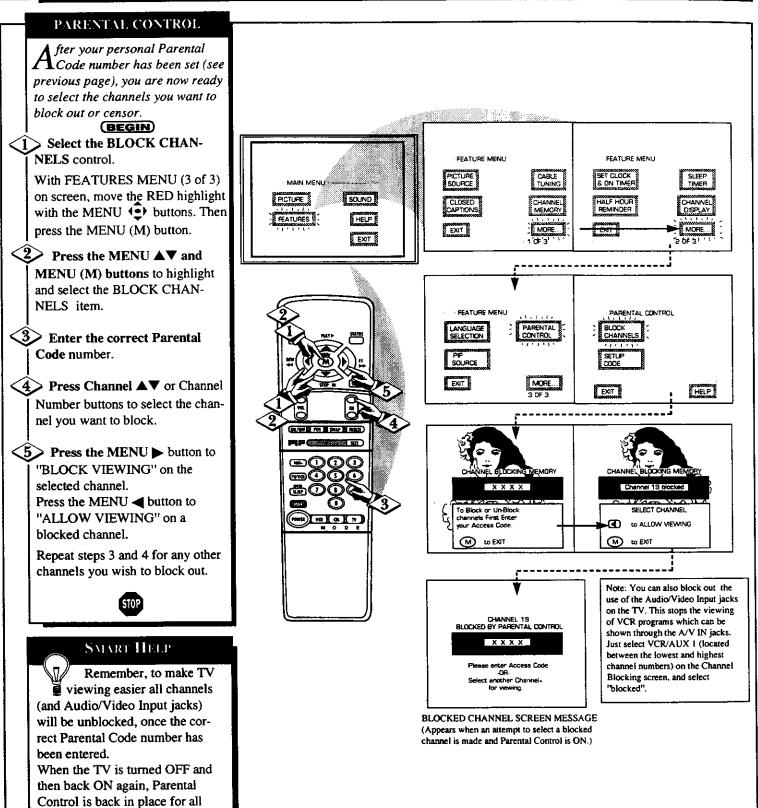
"Access Code Changed" shows on the screen to let you know the new code has been set.

Continue to the next page to find out how to "block" channels from viewing.

SMART HELP

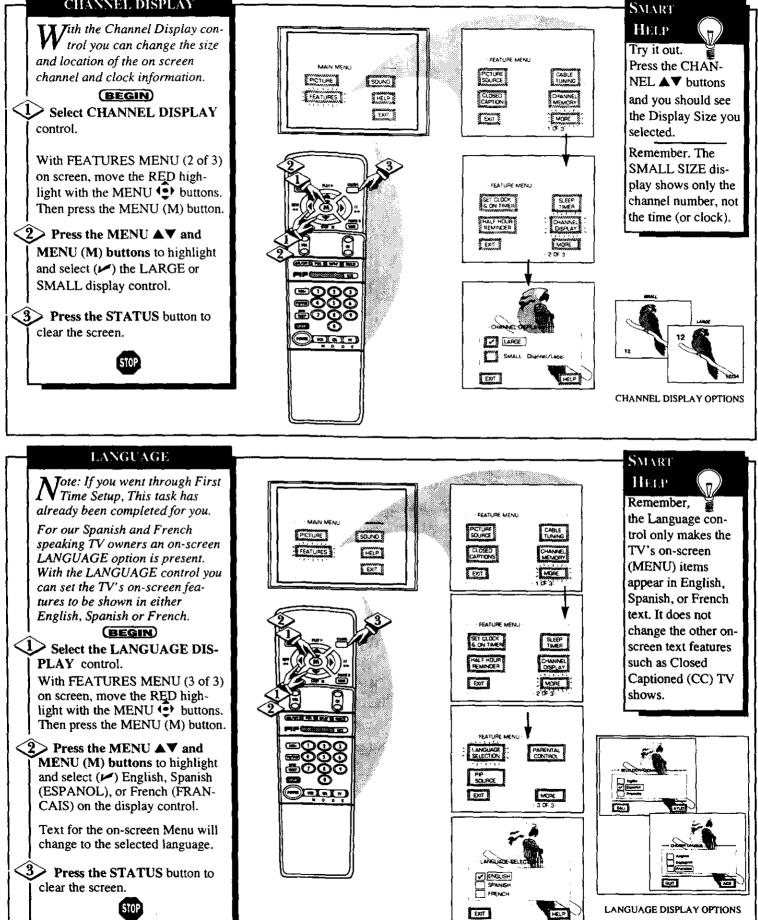
Parents - it isn't possible to unlock or defeat your Censor Code without changing to a new code number. So if your Code number changes, and you didn't change it yourself, then you will know that someone has altered the code and the blanked out channel has been viewed. NOTE: Your TV left the factory with the Parental Code set to "0000". If you are using your TV and the Parental Control for the first time, and don't want to SETUP a new Access code number, you can use the "0000" number to block channels - see next page. The "0711" Parental Code (shown on this page) is given as a default or way to reset the Code when the current Access number is not known.





channels.

CHANNEL DISPLAY



SOUND MENU CONTROL ADJUSTMENTS

BASS, TREBLE, BALANCE

Your TV also has individual sound adjustment controls. The BASS (low frequency), TREBLE (high frequency), and Speaker BALANCE may all be used to adjust the sound playback of TV programs.

(BEGIN)

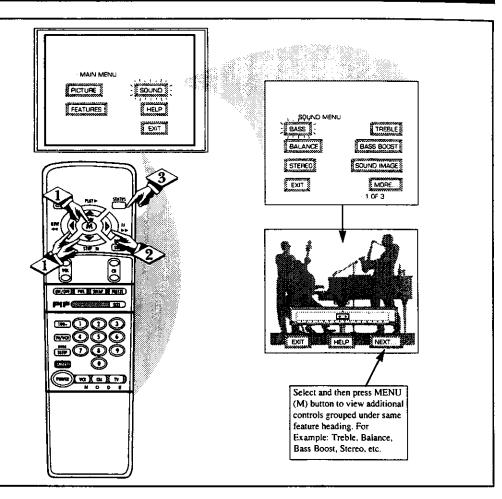
Select BASS, or TREBLE, or BALANCE sound control.

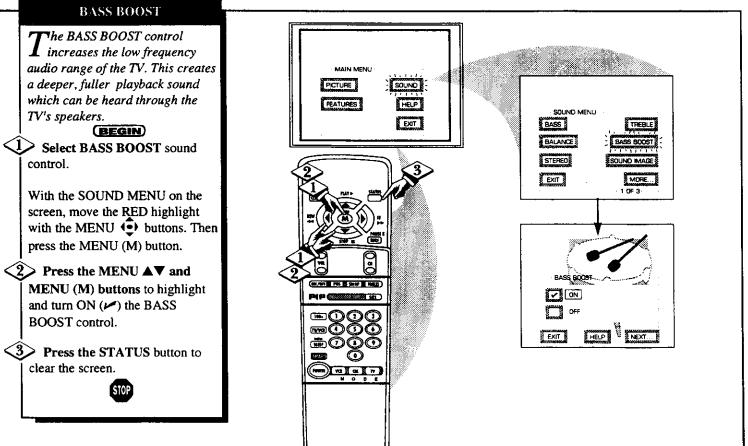
With the SOUND MENU on the screen, move the RED highlight with the MENU () buttons. Then press the MENU (M) button.

Press the (+) or (-) buttons to adjust the sound control to levels you prefer.

Press the STATUS button to clear the screen.

STOP

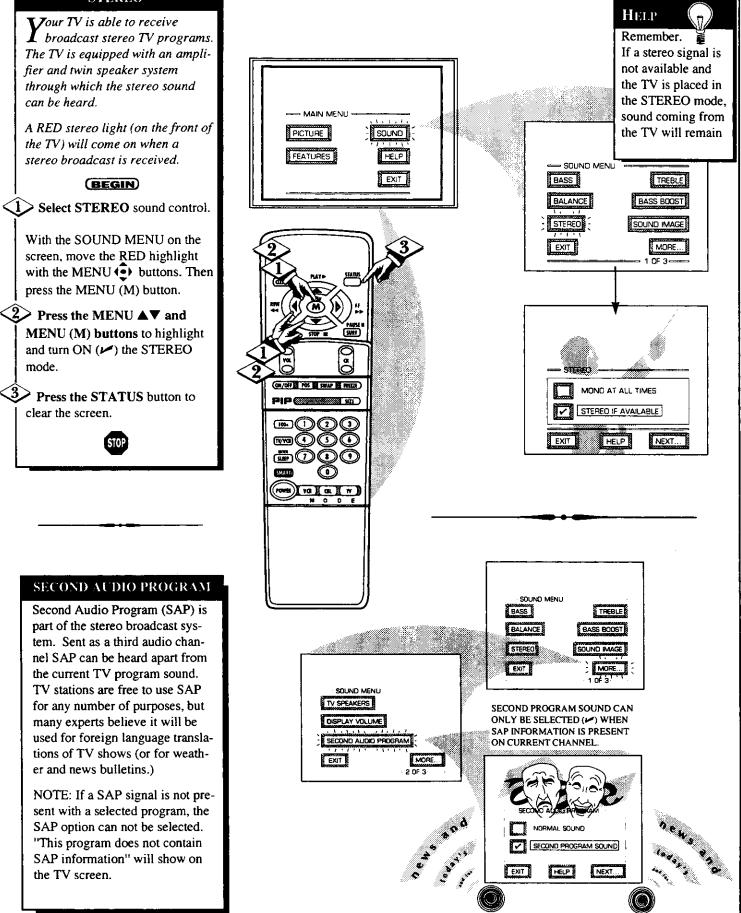




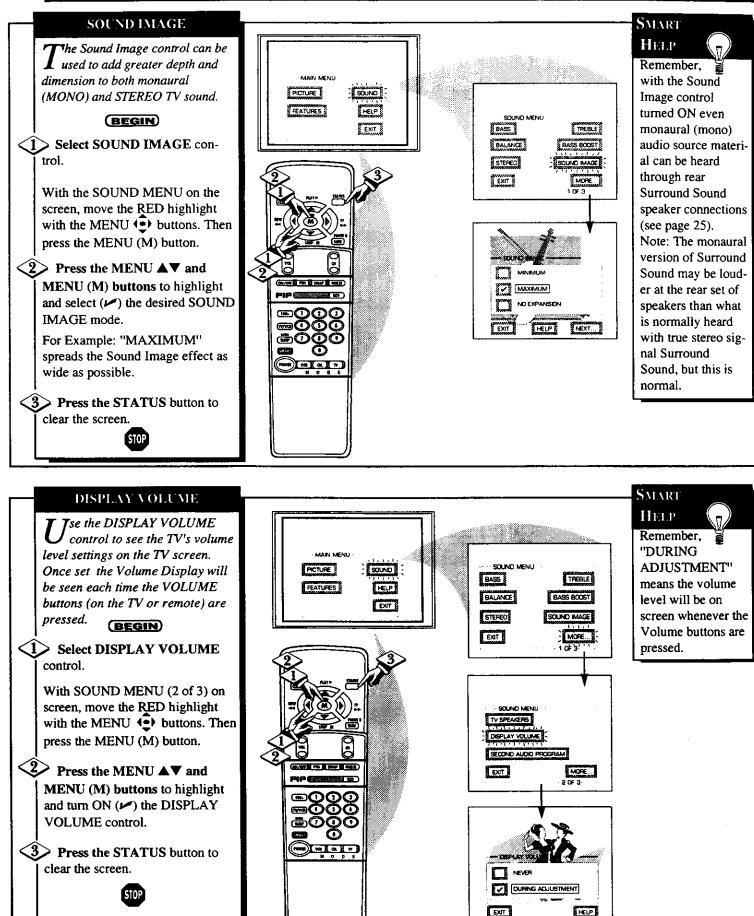
Sound Menu Control (continued)

SMART

STEREO

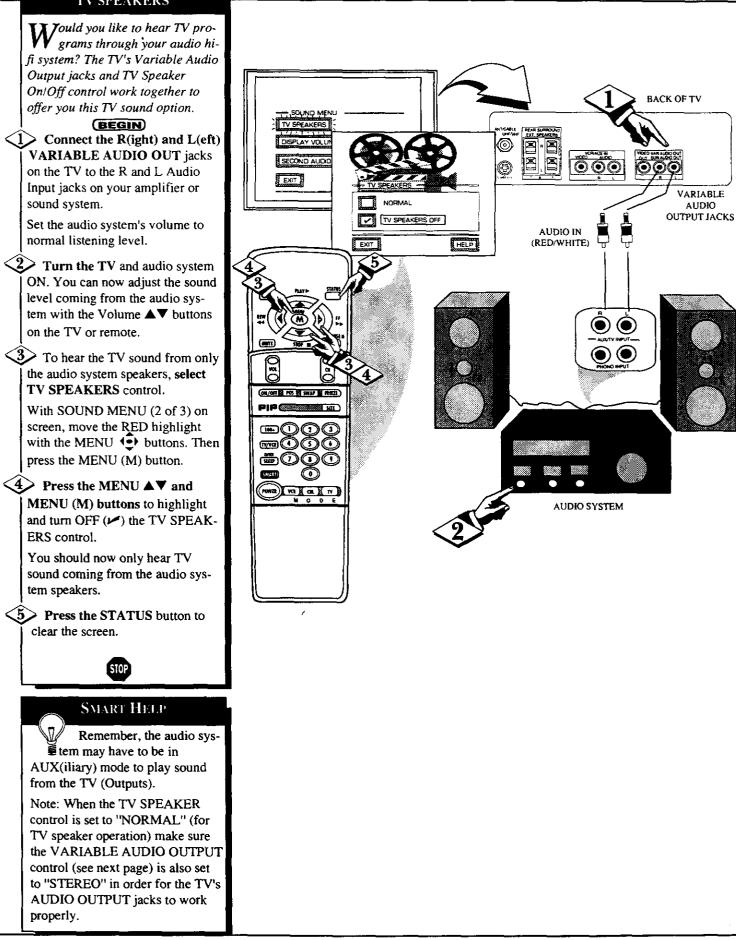


Sound Menu Controls (continued)



Sound Menu Controls (continued)

TV SPEAKERS



Sound Menu Controls (continued)

SURROUND SOUND

B^y adding optional external speakers to the TV's sound system, you can create the feeling of reflected sound that surrounds you at a movie theater or concert hall.

(BEGIN)

Connect both external speakers to the speaker wire terminals on the TV.

Recommended speakers: 80hm, 15 watt minimum. Be sure the (+) and (-) speaker wires are connected to the correct R(ight) and L(eft) speaker terminals on the TV.

- Place the speakers so the viewing area is between the TV and the rear surround speakers. (See overhead view drawing.)
- STEREO control to the "STEREO IF AVAILABLE" (▶) position.

After setup whenever a stereo signal is received the audio will be heard in Surround Sound.



VARIABLE AUDIO OUTPUT

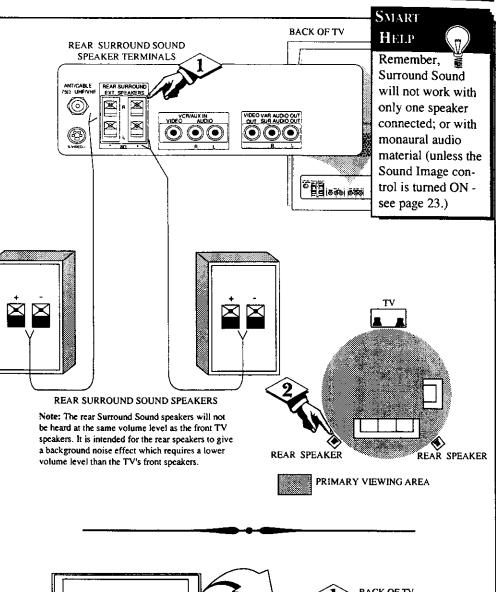
The TV's Variable Audio Output jacks can also be used for Surround Sound. Once they are connected an external hi-fi system its speakers can be used for the playback of Surround Sound.

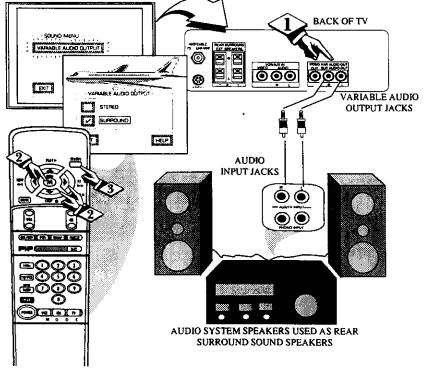
(BEGIN)

Connect the R(ight) and L(eft) VARIABLE AUDIO OUT jacks on the TV to the R and L Audio Input jacks on your amplifier or sound system.

Turn TV ON and place the VARIABLE AUDIO OUTPUT on screen control to the SURROUND
 () position. (Select the Main Menu Sound option, screen 3 of 3).







VCR/AUX INPUTS

The TV's Audio/Video Input jacks are for direct picture and sound connections between the TV and a VCR (or Video Disc Player, etc.) that has Audio/Video Output jacks.

To view the playback of a VCR tape by using the Audio/Video Input jacks on the TV:

(BEGIN)

Connect the VIDEO OUT jack from the VCR to the VCR/AUX VIDEO IN jack on the TV.

2 Connect the AUDIO OUT jacks R(ight) and L(eft) from the VCR to the VCR/AUX AUDIO IN jacks on the TV.

Select the "VCR/AUX" PIC-TURE SOURCE SELECT control on the TV.

With the FEATURES MENU on screen, move the RED highlight with the MENU (buttons. Then press the MENU (M) button.

 Press the MENU ▲▼ and MENU (M) buttons to highlight and select () the VCR/AUX mode.

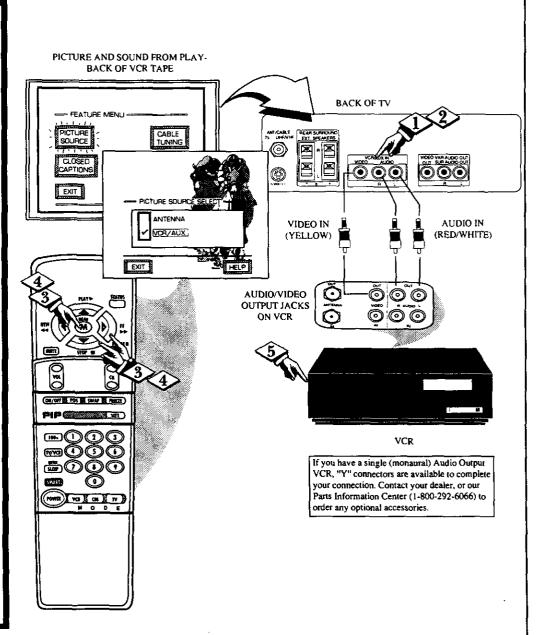
Turn the VCR ON and press PLAY to view the tape on the TV.

STOP

SMART HELP

Remember, an easy way to select VCR/AUX mode is to press the VCR button on the front of the TV. (Channels 3 and 4 can also be selected in this way.)

Or if you have added VCR/AUX to the TV's channel memory (see page 14), just press the CHAN-NEL ▲▼ buttons to select the VCR/AUX mode.



USING THE AUDIO/VIDEO INPUT JACKS (CONTINUED)

S-VIDEO INPUT

The S(uper)-Video connection on the rear of the TV can give you better picture detail and clarity, for the playback of S-VHS VCR tapes or Video Discs, than the normal antenna picture connections.

Note: The VCR (or Video Disc Player) must have a S-VIDEO OUT(put) jack in order for you to complete the connections shown on this page.

(BEGIN)

Connect the S-VIDEO (S-VHS) OUT jack from the VCR to the S-VIDEO 1 jack on the TV.

The S-VIDEO connecting cable will be supplied with the S-VHS VCR (or Video Disc Player).

Connect the AUDIO OUT jacks R(ight) and L(eft) from the VCR to the AUDIO VCR/AUX IN

Select the "S-VIDEO" PIC-| TURE SOURCE control.

jacks on the TV.

With the FEATURES MENU on screen, move the RED highlight with the MENU (M) buttons. Then press the MENU button.

The "S VIDEO" picture source option appears when a S-VIDEO cable has been connected to the TV.

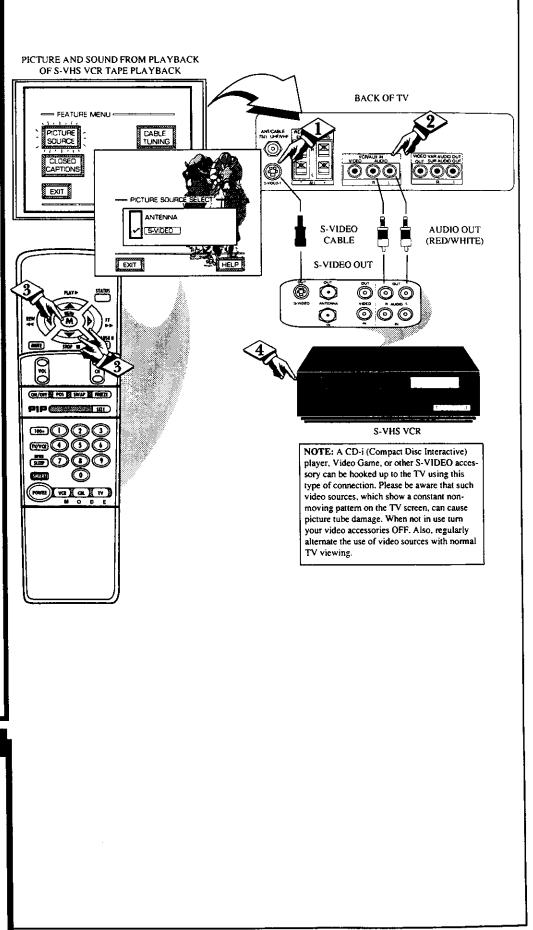
4 Turn the VCR ON and place it in the S-VIDEO (or S-VHS) playback mode. Insert S-VHS cassette tape and playback in a normal manner.

STOP

SMART HELP

Remember, after it is connected an easy way to select the S-VIDEO mode is to press the VCR button on the front of the TV (or the TV/VCR button on the remote.)

If you have added AUX 1 to the TV's channel memory, just press the CHANNEL $\blacktriangle \nabla$ buttons to select the S-VIDEO mode.



USING THE AUDIO/VIDEO OUTPUT JACKS

AUDIO/VIDEO OUTPUTS

The Audio/Video Output jacks on the TV can be used to record TV programs on VCRs which have Audio/Video Input jacks.

To record TV programs by using the Audio/Video jacks on the TV:

(BEGIN)

Connect the VIDEO OUT jack from the TV to the VIDEO IN jack on the VCR.

Connect the AUDIO OUT jacks R(ight) and L(eft) from the TV to the AUDIO IN jacks on the VCR.

Select the "ANTENNA" PIC-TURE SOURCE control on the TV.

With the FEATURES MENU on screen, move the RED highlight with the MENU () buttons. Then press the MENU (M) button.

Select the channel on the TV that you want to record.

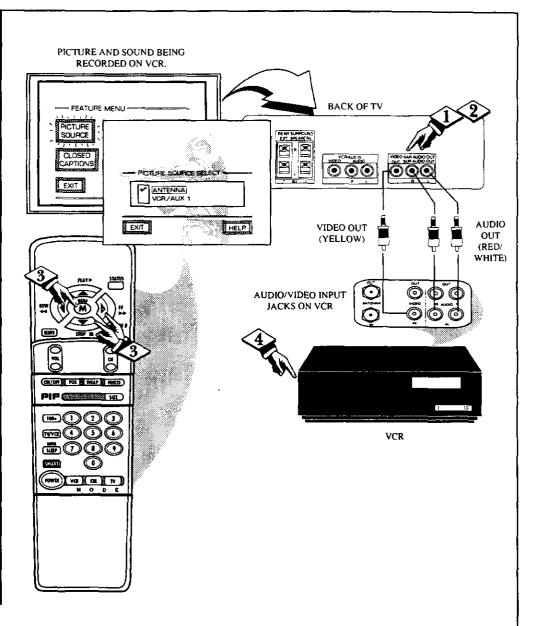
4 Turn the VCR ON. Put a cassette tape in the unit and place the VCR in the RECORD mode.

SMART HELP

STOP

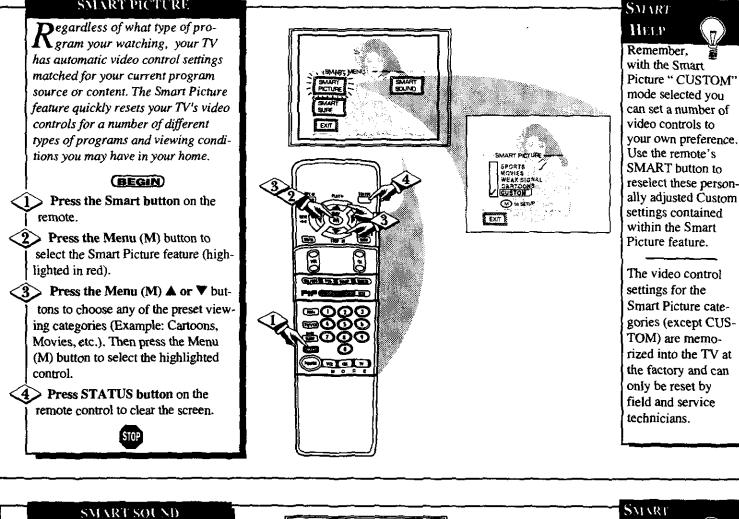
Remember, if the VCR has an INPUT SELECTOR switch, place it in the LINE or CAMERA position.

Unattended Timer Recordings with a VCR are possible, but not recommended with this connection since the TV must be left ON for the VCR to record.



REMOTE CONTROL OPERATION

SMART PICTURE



re you tired of the sound of commercials following you throughout the house? Smart Sound allows you to preset a desired volume level that the TV sound will not go above. This makes for an even, more consistent sound by reducing the "peaks" and "valleys" that can occur during commercials.

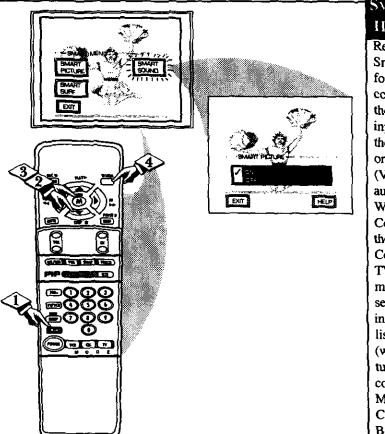
(BEGIN)

> Press the Smart button on the remote.

2 With the SMART Menu on screen, move the RED highlight with the Menu () buttons. Then press the MENU (M) button to select the highlighted Smart Sound control.

 $\langle 3 \rangle$ Press the Menu \blacktriangle or \checkmark and then the Menu (M) button to turn the Smart Sound control ON (or OFF.)

4> Press the STATUS button to clear the screen when completed. STOP



HELP

Remember.

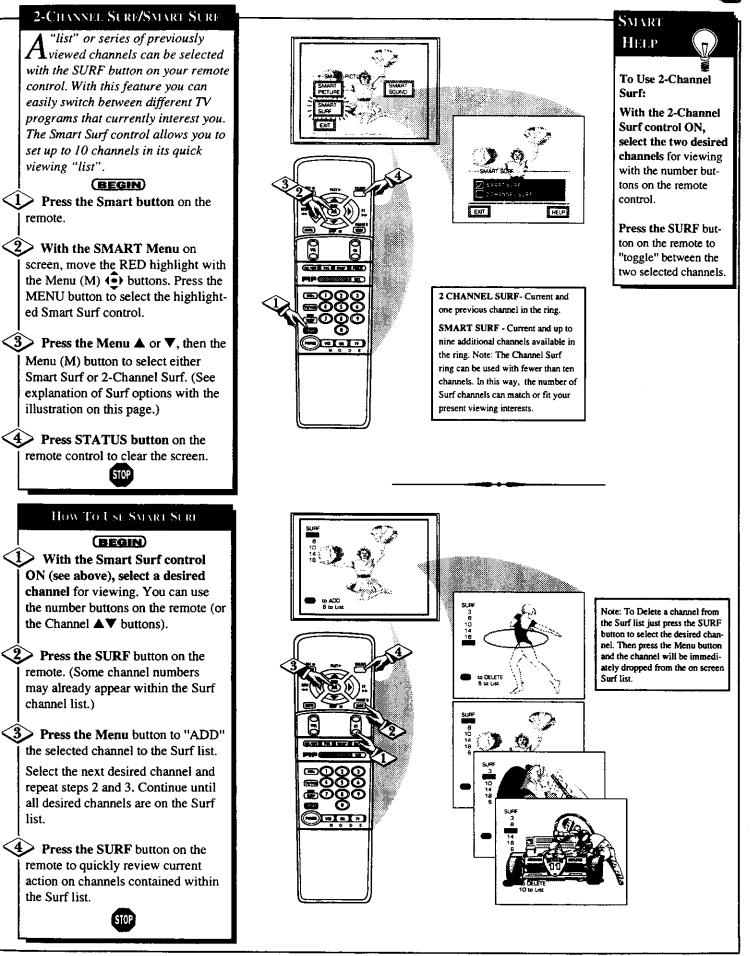
Smart Sound works for sound levels coming from either the Antenna/Cable input on the rear of the TV (RF audio); or the Auxiliary (VCR/AUX IN) audio inputs. When using a Cable Converter Box with the Smart Sound Control ON, the TV's volume level may take up to ten seconds to gradually increase to normal listening levels (when the TV's first turned on). This is considered NOR-MAL with various Cable Converter Box use.

28

REMOTE CONTROL OPERATION

remote.

list.





SETTING THE REMOTE TO WORK VCRS

Your remote control is set to work your TV and many infrared remote (IR) control VCRs. However, an easy onetime step may be necessary before the remote will work your VCR. Try this initial check to see if

going on to the following section is necessary.

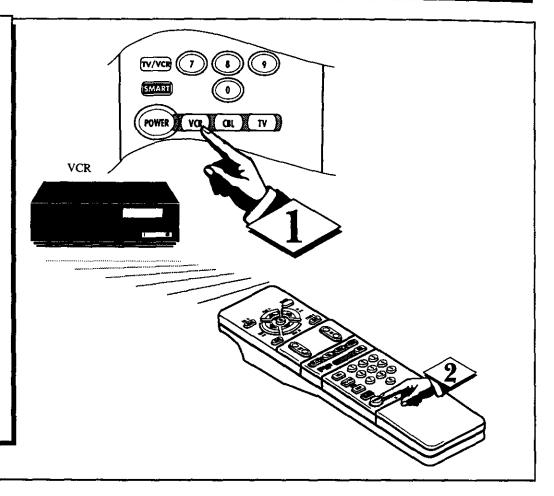
(BEGIN)

Press the VCR System button on the remote.

2 Point remote toward VCR and press the POWER button.

Opes the remote turn the VCR ON?

IF YES, **(19)** and try the other VCR buttons on the remote. If they also work the VCR, then the remote is ready and no further steps are needed. If NO, continue...



First look up a TWO-DIGIT remote code number for your brand VCR before going through the simple "1,2,3" steps (on the following page).

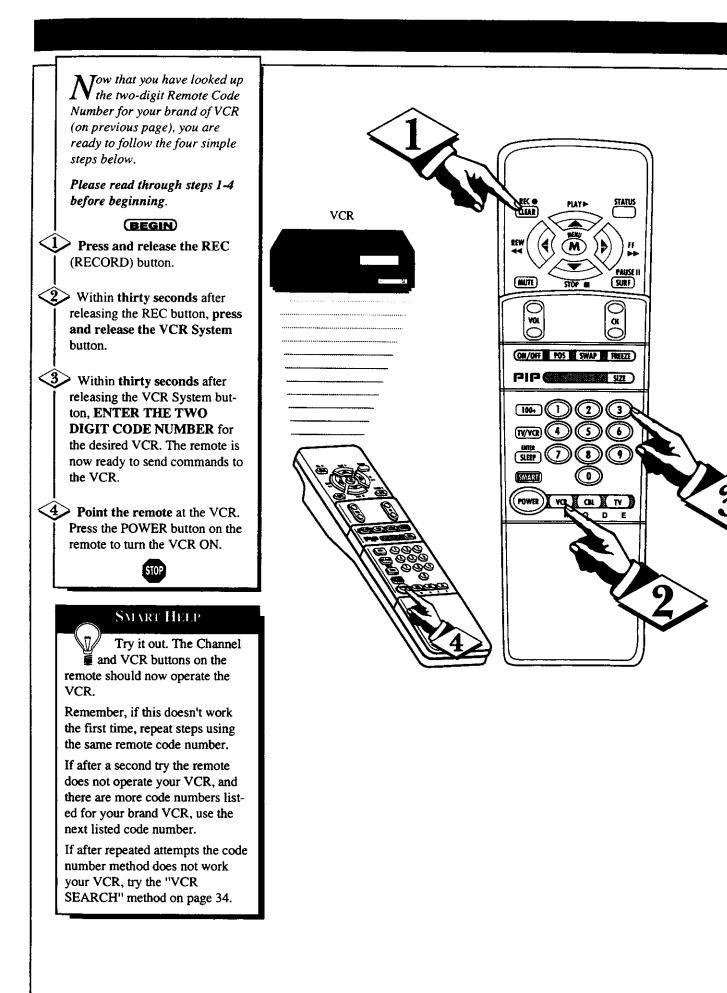
continue to next page

SMART HELP

Remember, if more than one number is listed, you may have to try more than the first two-digit code given in order to locate your VCR's remote code.

/	VCR	REMOTE
	BRAND	<u>CODE NO.</u>
	Akai	24, 25, 36
	Capehart	33
	Conoid	
	Curtis Mathes	
	Daewoo	
	Emerson	0, 31, 34, 40
	Fisher	
	Goldstar	
	Go Video	45, 46
	Hitachi	
	JVC	14, 47, 48
	Magnavox	00, 05
	Matsushita	
	Mitsubishi16, 1'	7, 38, 39, 50
	Multitech	· · · · · · · · · · · · · · · · · · ·
	NEC	

VCR	REMOTE
BRAND	<u>CODE NO.</u>
Panasonic	
Philips	00, 05
Philips Video CD	
RCA04,	32, 42, 43, 44
Samsung	22, 30
Sansui	
Sanyo	
Sears	
Sharp	11, 12
Shintom	
Sony	09, 10, 41
Teknika	26
Toshiba	
Video Concepts	
Zenith	15



SETTING THE REMOTE TO WORK CABLE TV CONVERTERS

Your remote control is set to work your TV and many infrared remote (IR) control Cable Converters. However, an easy one-time step may be necessary before the remote will work your Converter. Try this initial check to see if going on to the following section is necessary. **EEGIN**

Press the CBL System button on the remote.

Point remote toward Cable Converter and press the POWER button.

3 Does the remote turn the Converter ON? IF YES,
and try the CH ▲ ▼ and CH number buttons on the remote. If they also work the Converter then the remote is ready and no further steps are needed. If NO, continue...

First look up a TWO-DIGIT remote code number for your brand Converter before going through the simple "1,2,3" steps (on the following page).

continue to next page

SMART HELP

Remember, if more than one number is listed, you may have to try more than the first two-digit code given in order to locate your Converter's remote code.

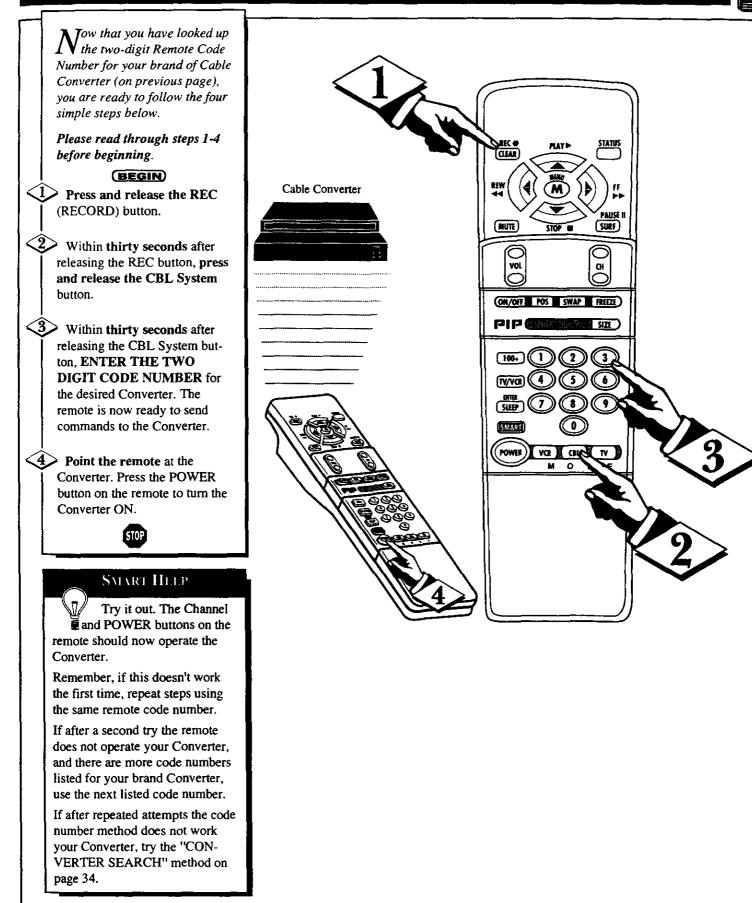
Cable Converter	100

CONVERTER <u>BRAND</u>	
Archer	
Diamond	
Drake	
Gemini	
Hamlin	
Hitachi	
Jerrold .00,01,02	,03,04,05,46,55
Macom	
Magnavox	
NSC	
Oak	
Panasonic	
Philips19,	20, 21, 24, 26
Pioneer	
Regency	10, 11

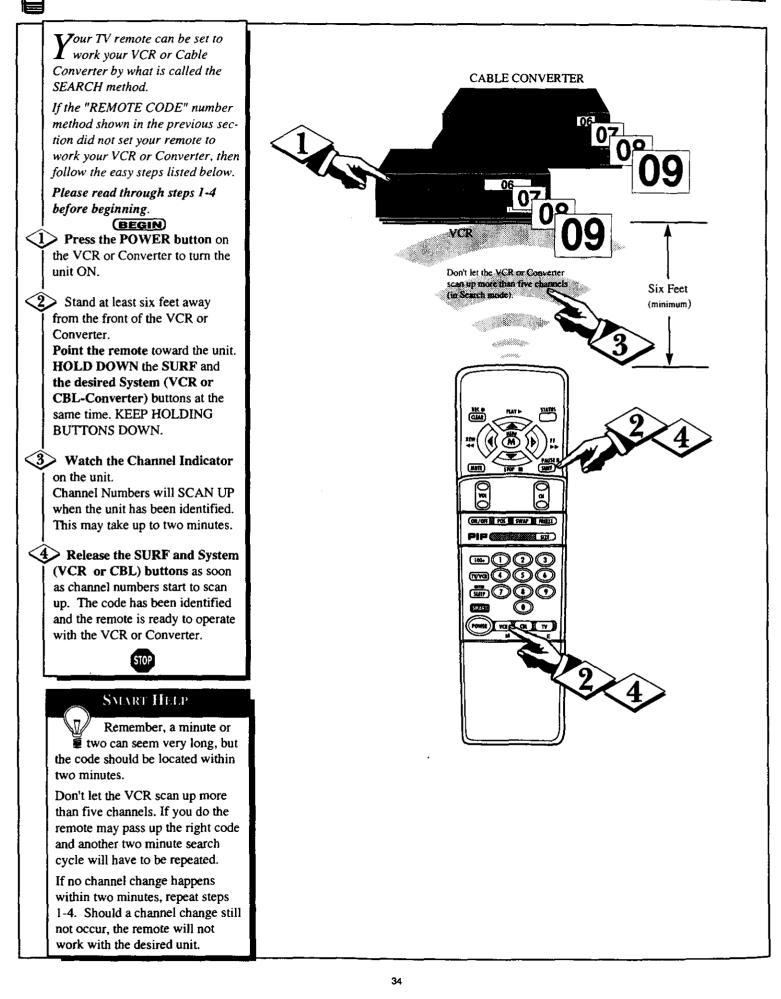
nn com

CONVERTER BRAND	REMOTE CODE NO.
Rembrant	
Salora	
Scientific Atlanta	08, 22, 47
Sheritech	
Starcom	
Sylvania	
Texscan	
Tocom	12,13, 53
Toshiba	
Uniden Satellite .	
Unika	
United Satellite .	54
Universal	36
Video Tech	
Video Way	
Zenith	
	1

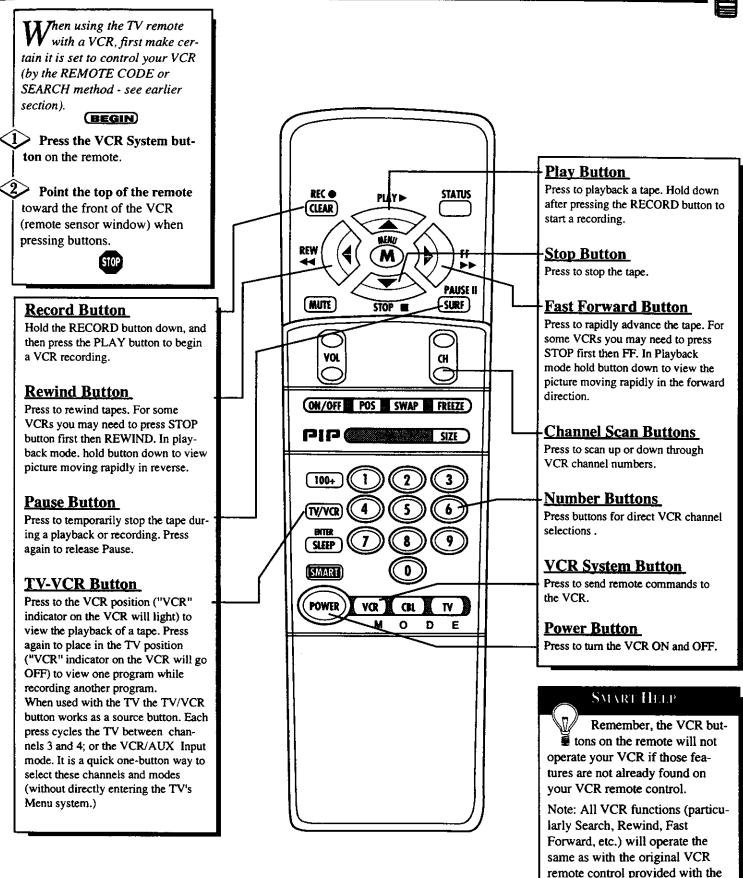




SETTING YOUR REMOTE TO WORK VCRs, CONVERTERS - SEARCH

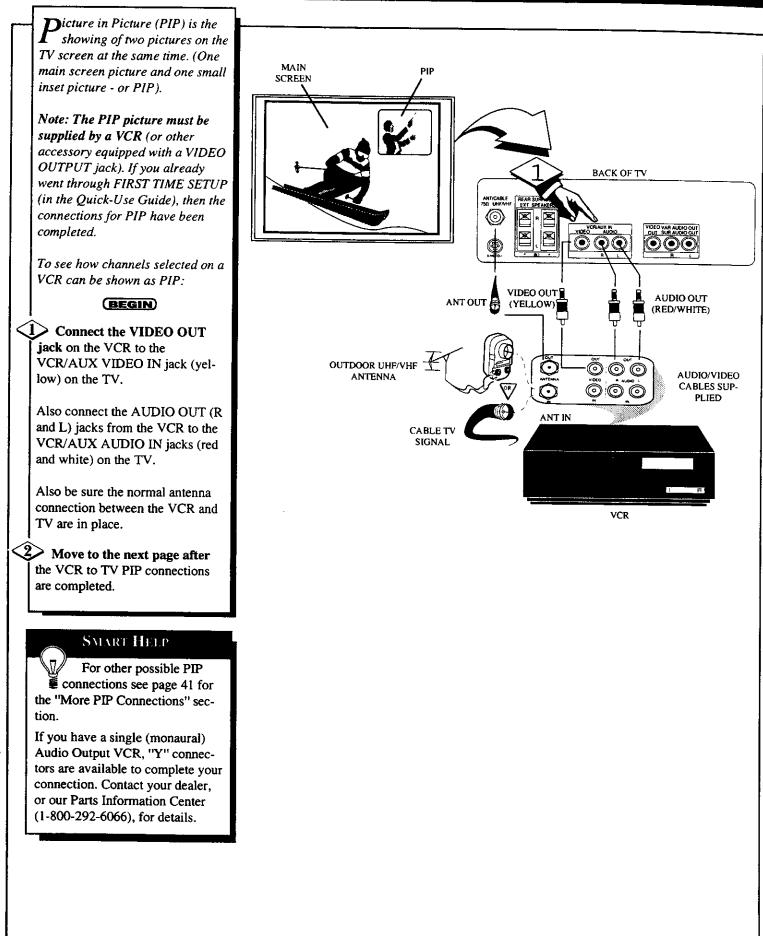


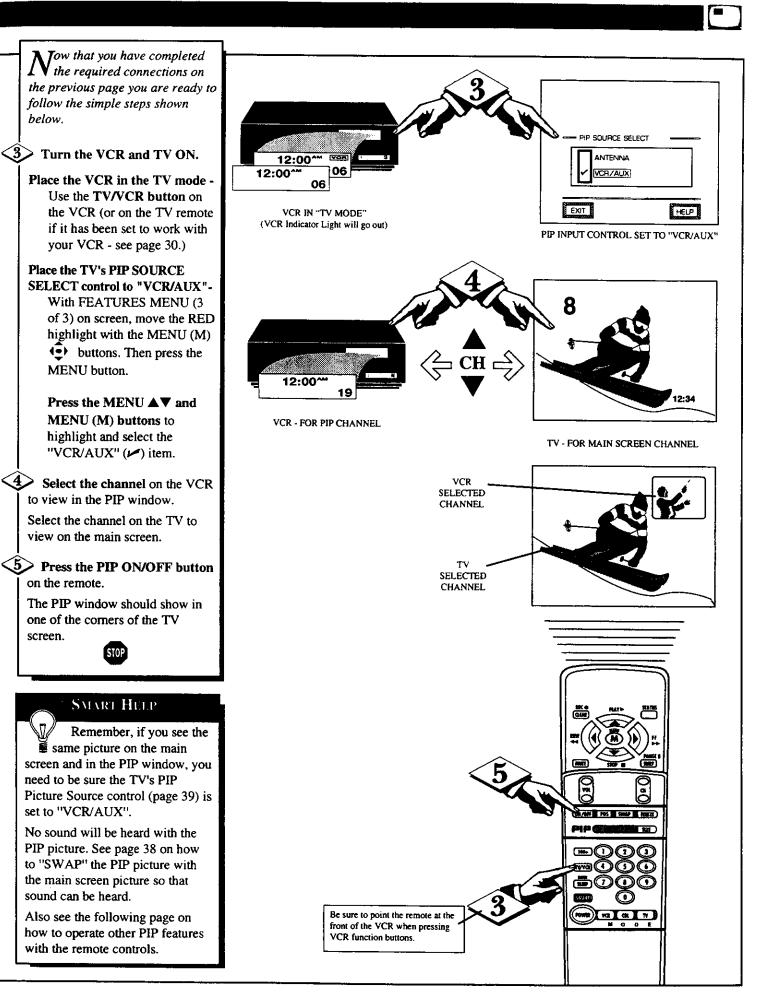
USING THE REMOTE'S VCR BUTTONS



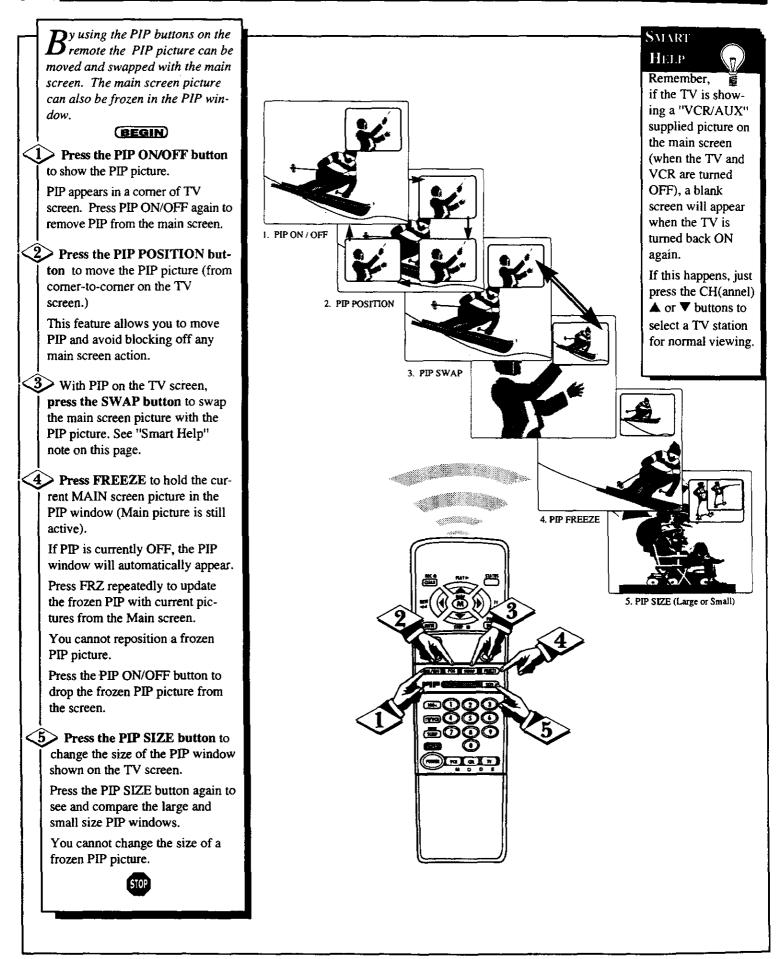
VCR.

HOW TO USE THE PICTURE-IN-PICTURE (PIP) FEATURE





USING PIP WITH THE REMOTE CONTROL



SELECTING THE PICTURE SOURCE FOR PIP

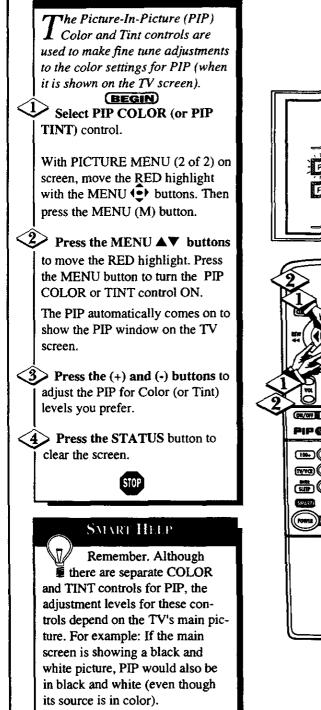
PIP SOURCE

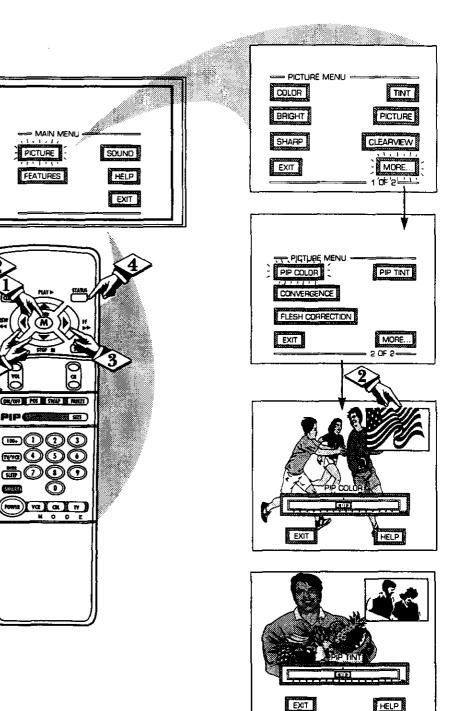
The picture for the PIP window can come through either the ANT/CABLE or VCR/AUX Inputs (on the rear of the TV). PIP Picture Source simply tells the TV which one of these sources it is to show in the PIP window. BEGIN Select PIP SOURCE control. With FEATURES MENU (3 of 3) on screen, move the RED highlight with the MENU (•) buttons. Then press the MENU (M) button.	MAIN MENU PICTURE SOUND FEATURES FEATURES FEATURES FEATURES FEATURES FEATURES FEATURES FEATURES	FEATURE MENU PICTURE SOURCE CLOSED CLOSED CLOSED CLAPTIONS LINING I OF 3
 Press the MENU ▲▼ and MENU (M) buttons to highlight and select either the ANTENNA or VCR/AUX (𝒴) item. VCR/AUX- for a picture signal coming from the VCR/AUX IN Audio/Video jacks on the TV. ANTENNA- for a picture signal coming from the ANT/CABLE Input on the TV. Press the STATUS button to clear the screen. 		FEATURE MENU
Remember. The PIP screen will be blank unless a signal is connected to the selected source (either ANT/CABLE or VCR/AUX Inputs) on the rear of the TV.		

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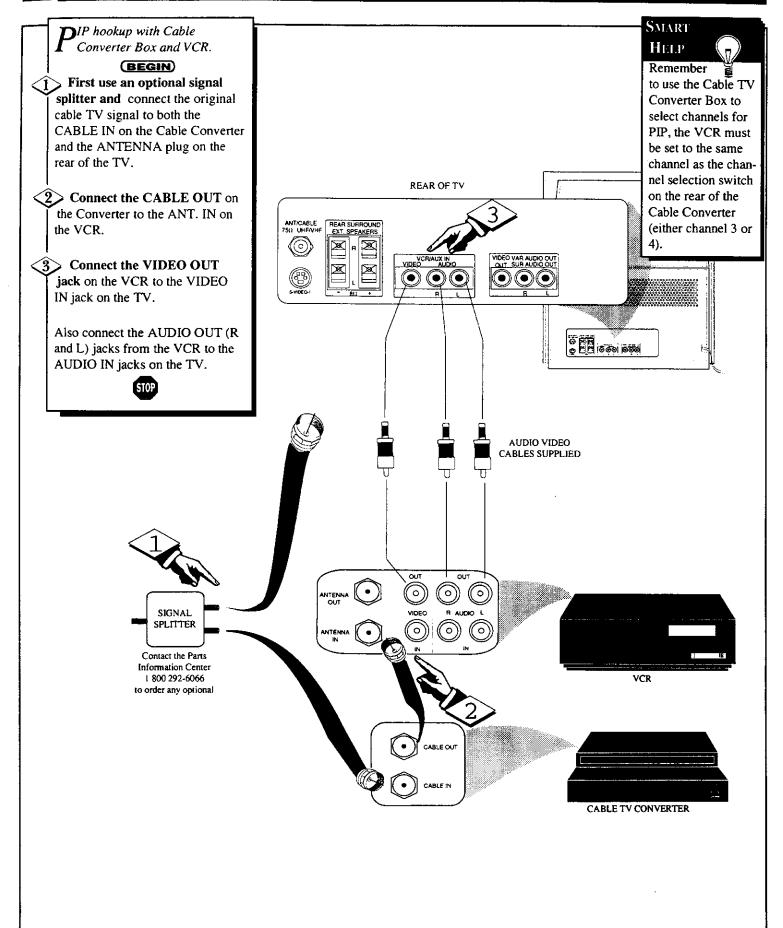
ADJUSTING PICTURE-IN-PICTURE COLOR AND TINT

PIP COLOR / PIP TINT





MORE PIP CONNECTIONS



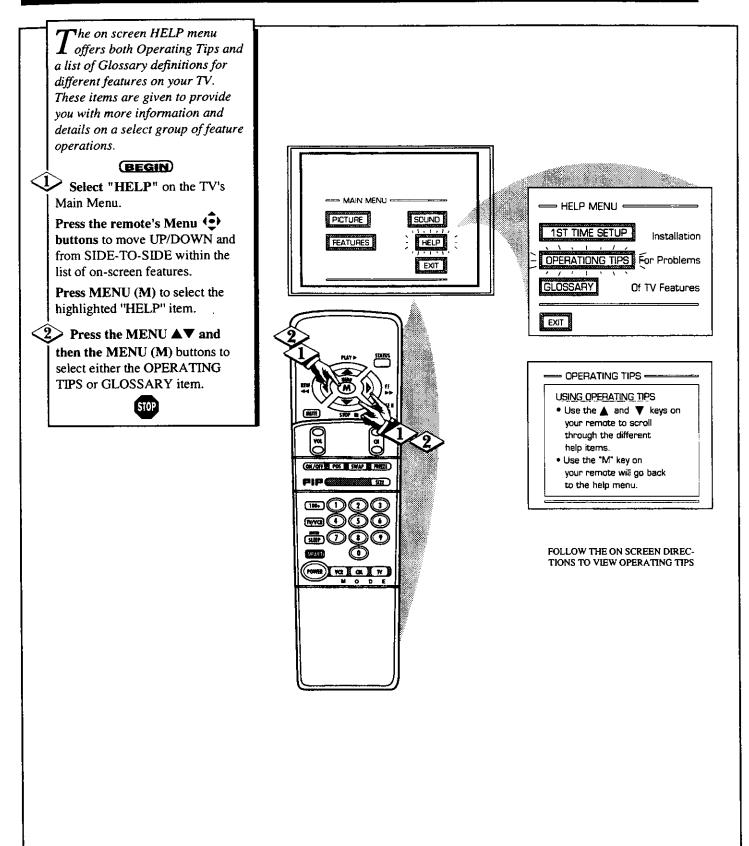
TIPS IF SOMETHING ISN'T WORKING

Please make these simple checks before calling for ser- vice. These tips can save you time and money since charges for TV installation and adjustment of customer controls are not cov- ered under your warranty.	CAUTION: A video source (such as a video game, Compact Disc Interactive - CDI, or TV information channel) which shows a constant non-moving pattern on the TV screen, can cause picture tube damage. When your TV is continuously used with such a source the pattern of the non-moving portion of the game (CDI, etc.) could leave an image per- manently on the picture tube. When not in use, turn the video source OFF. Regularly alternate the use of such video sources with normal TV viewing.
<u>No Power</u>	 Check the TV power cord. Unplug the TV, wait 1 minute, then reinsert plug into outlet and push POWER button again. Check to be sure outlet is not on a wall switch.
<u>No Picture</u>	 Check antenna connections on the rear of the TV. Are they properly secured to the antenna plug on the TV? Check the CABLE TUNING control for correct position. Check PICTURE SOURCE control for correct position "VCR/AUX" position without a signal source will result in a blank screen.
<u>No Sound</u>	 Check the VOLUME buttons. Check the MUTE button on the remote control Check the TV SPEAKER ON/OFF control for the correct position. If attempting auxiliary equipment hook-ups, check audio jack connections and that the auxiliary equipment is on and in the proper operating modes.
<u>Remote Does Not</u> <u>Work</u>	 Check TV-VCR-CBL "System" buttons on the remote. Press the remote's <u>TV</u> System button to send commands to the TV; <u>VCR</u> System to sent to VCR; etc. Check batteries. Replace with AA Heavy Duty (Zinc Chloride) or Alkaline batteries if necessary. Clean the remote and the remote sensor window on the TV.
<u>TV Displays Wrong</u> <u>Channel or No</u> <u>Channels Above 13</u>	 Repeat channel selection. Add desired channel numbers (ADD/DELETE CHANNELS control) into TV memory. Check CABLE TUNING control for correct position.
	This TV is equipped with protective circuitry that shuts the TV off in case of moderate power surges. Should this occur turn the TV back on by pressing the POWER button once or twice, or unplug and then replug the power cord at the AC outlet. This feature is NOT designed to prevent damage due to high power surges such as those caused by lightning, which is not covered by your warranty.

Cleaning and Care

- To avoid possible shock hazard be sure the TV is unplugged from the electrical outlet before cleaning.
- When cleaning the TV screen take care not to scratch or damage the screen surface (avoid wearing jewelry or using anything abrasive- do not use household cleaners). Wipe the front screen with a clean cloth dampened with water. Use even, easy, vertical strokes when cleaning.
- Specially designed screen cleaning kits are also available which contain anti-static cleaners and cloths designed to get into the ridges of the TV screen. If interested, ask your dealer about the MAG4600 Projection TV Screen Cleaning Kit or call our toll-free Accessory Parts ordering number 1-800-292-6066.
- Gently wipe the cabinet surfaces with a clean cloth or sponge dampened in a solution of cool clear water and a mild soap or detergent. Use a clean dry cloth to dry the wiped surfaces.
- · Occasionally vacuum the ventilation holes or slots in the cabinet back.
- Never use thinners, insecticide sprays, or other chemicals on or near the cabinet, as they might cause permanent marring of the cabinet finish.

TV HELP MENU



GLOSSARY TO TELEVISION TERMS

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

Display * An on screen message or graphics that help the user operate and adjust his Television feature controls. See On Screen Displays (OSD).

Direct Audio/Video Inputs * Located on the rear of the TV these connectors (RCA phono type plug) are used for the input of audio and video signals. Designed for use with VCRs (or other accessories) in order to receive higher picture resolution and offer sound connection options.

Identify* Method by which a remote control searches and finds an operating code for another product (such as a VCR or Cable Converter). Once the code has been "identified" then the TV remote can operate and send commands to the other product.

Multichannel Television Sound (MTS) * The broadcast standard that allows for stereo sound to be transmitted with the TV picture.

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

On Screen Displays (OSD) * Refers to the wording or messages generated by the television (or VCR) to help the user with specific feature controls (color adjustment, programming, etc.). **Picture -In-Picture (PIP) *** Term used when two pictures are shown on the TV screen at the same time. The smaller PIP picture is supplied by a VCR (or other tuner/video playback source). The PIP picture can also be moved and swapped with the TV's main screen picture.

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

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

Second Audio Program (SAP) * Another or additional audio channel provided for in the Multichannel Television Sound (MTS) broadcast standard. The most frequently proposed use for SAP is the simultaneous bilingual broadcast of TV program material.

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

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

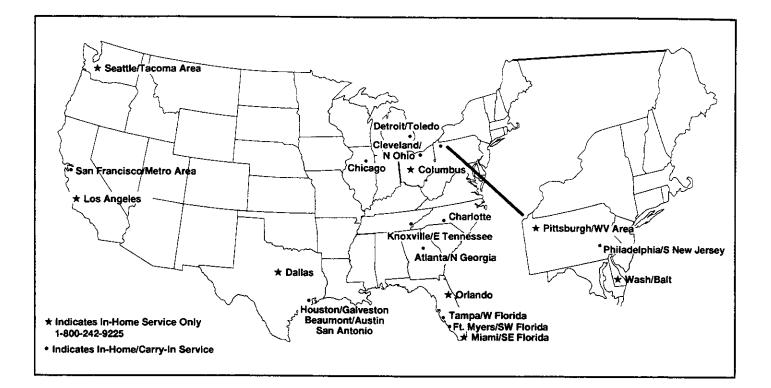
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* Information contained in Quick-Use (Q/U) Guide - page listed

Philips Consumer Electronics Company Factory Service Center Locations



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

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

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

<u>In Canada</u>

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) 1-800-363-7278 (English 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) 1-800-363-7278

<u>En el Canadá</u>

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) 1-800-363-7278 (anglófono)

MAC2929 1/98

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. AND, IF THE PHONE NUMBER LISTED FOR YOUR AREA IS LONG DISTANCE, CALL 1-800-242-9225 FOR 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 DÉPOTS 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.

GEORGIA

Philips Factory Service of Georgia 200 N. Cobb Pkwy., Suite 120 Marietta, GA 30062 (770) 795-0085

FT. MYERS, FLORIDA

Philips Factory Service Satellite - Ft. Myers 11601 Cleveland Ave., Suite 15 Ft. Myers, FL 33907 (941) 278-4242

FLORIDA

Philips Factory Service of Florida 1911 US Highway 301 North Tampa, FL 33619 (813) 621-8181

WESTERN U.S.A.

Philips Factory Service Western Region 681 East Brokaw Rd. San Jose, CA 95112 (408) 436-8566

NORTH CAROLINA

Philips Factory Service of N. Carolina 520 G Clanton Rd. Charlotte, NC 28217 (704) 529-6330

TEXAS

Philips Factory Service of Texas 1110 N. Post Oak Rd., Suite 100 Houston, TX 77055 (713) 682-3990

CENTRAL U.S.A.

Philips Factory Service Central US 950 Keynote Circle Brooklyn Heights, OH 44131 (216) 741-3334

MICHIGAN

Philips Factory Service of Michigan 25173 Dequindre Madison Heights, MI 48071 (248) 544-2110

ILLINOIS

Philips Factory Service of Illinois 1360 W. Hamilton Pkwy. Itasca, IL 60143 (630) 775-0990

TENNESSEE

Philips Factory Service of East Tennessee 6700 D Papermill Rd. Knoxville, TN 37919 (423) 584-6614

MID-ATLANTIC

Philips Factory Service Mid-Atlantic 352 Dunks Ferry Rd. Bensalem, PA 19020 (215) 638-7500

LIMITED WARRANTY

PROJECTION TELEVISION

One Year Free Labor

One Year Free Service on Parts

Two Years Free Service on Cathode Ray Tube Parts / 30 days Free Service on Projection TV 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 projection TV screen), all parts will be repaired or replaced, and labor and transportation are free. From one to two years from the day of purchase, you pay for the replacement or repair of all parts except the cathode ray tube and the "Clear-Vu" lens, and for all labor and transportation charges. After two years from the day of purchase, you pay for the replacement or repair of all parts except the "Clear-Vu" lens (which is guaranteed against manufacturer's defects for the life of the product), 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:

1-800-661-6162 (French Speaking) 1-800-363-7278 (English Speaking)

REMEMBER...

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

MODEL# _

SERIAL #

Philips Service Company, P.O. Box 555, Jefferson City, Tennessee 37760, (423) 475-8869

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