

Return Your Warranty Registration Card Within 10 Days. See Why Inside.

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

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



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

Owner Confirmation

Registration Card serves as verification of ownership in the event of product theft or loss. <u>Model</u> 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 MAGNAVOX product owner:

Thank you for your confidence in MAGNAVOX. 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 MAGNAVOX "family," you're entitled to protection by one of the most comprehensive warranties and outstanding service networks in the industry. What's more, your purchase guarantees you'll receive all the information and special offers for which you qualify, plus easy access to accessories from our convenient home shopping network. 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 MAGNAVOX product. Sincerely,

Robert Minkhorst President and Chief Executive Officer

P.S. Remember, to get the most from your MAGNAVOX 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.

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

SAFETY INSTRUCTIONS - Read before operating equipment

This product was designed and manufactured to meet strict quality and safety standards. There are, however, some installation and operation precautions which you should be particularly aware of.

- 1. **Read Instructions** All the safety and operating instructions should be read before the appliance is operated.
- 2. Retain Instructions The safety and operating instructions should be retained for future reference.
- 3. Heed Warnings All warnings on the appliance and in the operating instructions should be adhered to.
- Follow Instructions All operating and use instructions should be followed.
- Water and Moisture The appliance should not be used near water - for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement or near a swimming pool, etc.
- 6. Carts and Stands The appliance should be used only with a cart or stand that is recommended by the manufacturer.



6A.

An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.

- 7. Wall or Ceiling Mounting The appliance should be mounted to a wall or ceiling only as recommended by the manufacturer.
- 8. Ventilation The appliance should be situated so that its location or position does not interfere with its proper ventilation. For example, the appliance should not be situated on a bed, sofa, rug, or similar surface that may block the ventilation openings; or, placed in a built-in installation, such as a bookcase or cabinet that may impede the flow of air through the ventilation openings.
- 9. Heat The appliance should be situated away from hear sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.
- Power Sources The appliance should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.
- 11. Power-Cord Protection Power supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords and plugs, convenience receptacles, and the point where they exit from the appliance.

- 12. Cleaning The appliance should be cleaned only as recommended by the manufacturer.
- 13. Power Lines An outdoor antenna should be located away from power lines.
- 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 mats 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 Fig. below.

- 15. Non-use Periods The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.
- 16. Object and Liquid Entry Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.
- 17. 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.
- 18. Servicing The user should not attempt to service the appliance beyond that described in the operating instructions. All other servicing should be referred to qualified service personnel.

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.

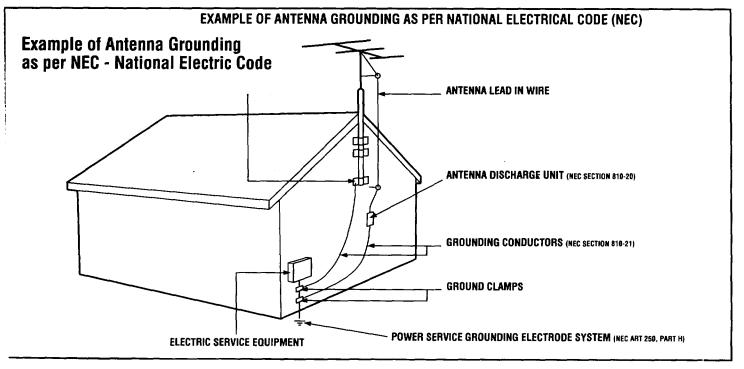


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SET-UP AND QUICK USE GUIDE

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



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. Select remote buttons can also be backlighted to make them more readable in the dark.

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-Ready 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.

COLOR, BRIGHTNESS, SHARPNESS, TINT, PICTURE

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

Press the (+) or (-) buttons to adjust the selected control.

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.

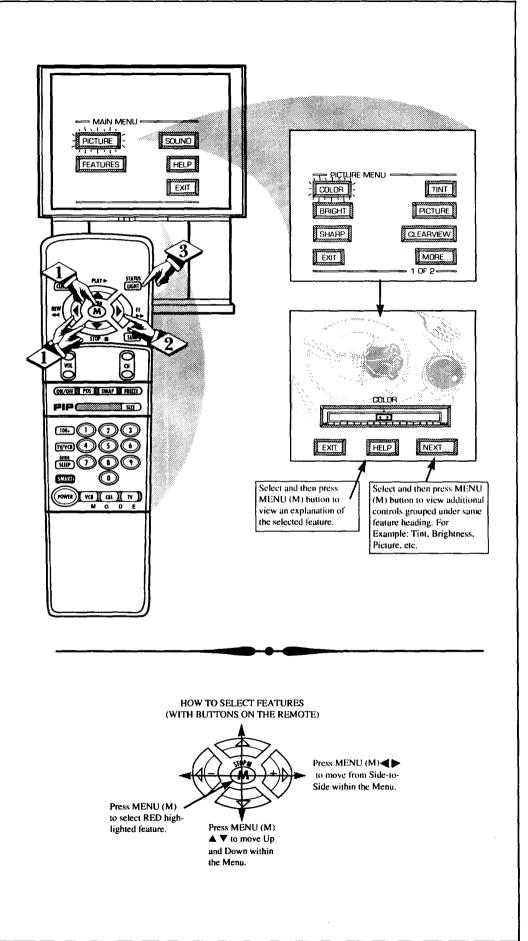
<u>BRIGHTNESS</u> Press (-) or (+) until dark parts of the picture show good detail.

<u>PICTURE</u> Press (-) or (+) until whitest parts of the picture are as bright as you prefer.

<u>COLOR</u> Press (-) or (+) to add or eliminate color.

<u>TINT</u> 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.



PICTURE MENU CONTROLS (CONTINUED)

CLEARVIEW

Clearview is a sharpness feature which smoothes out background snow (or picture noise) without losing picture image detail or crispness.

(BEGIN)

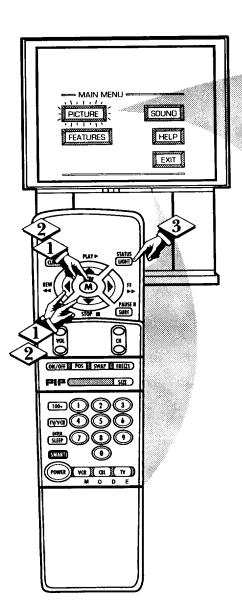
Select CLEARVIEW control.

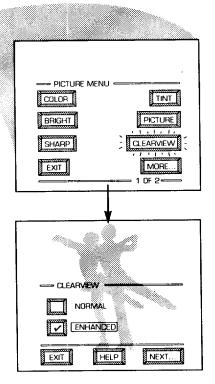
With the PICTURE MENU on screen, move the RED highlight with the MENU () buttons. Then press the MENU (M) button.

Press the MENU ▲▼ buttons to move the RED highlight. Press the MENU button to select () the ENHANCED mode.

Press the STATUS button to clear the screen.

STOP





RED/BLUE CONVERGENCE

Convergence 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)

Select CONVERGENCE con-

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

If there is RED or BLUE color fringing on the White cross, press the MENU button to continue.

Press the MENU buttons to move the red or blue cross directly over the white cross on the TV screen.

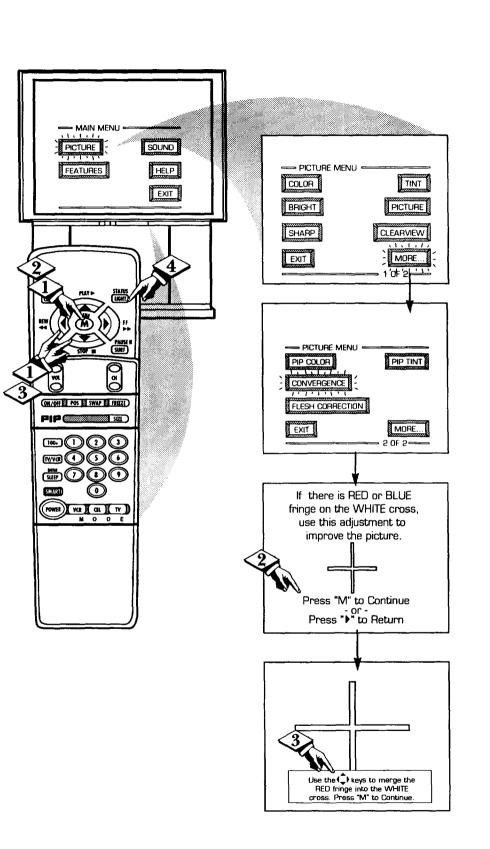
> The red or blue cross is properly adjusted when it is completely merged with the white cross. (No color appears around the edge of the white cross).

 Press the STATUS button to clear the screen when convergence adjustments are complete.

SMART HELP

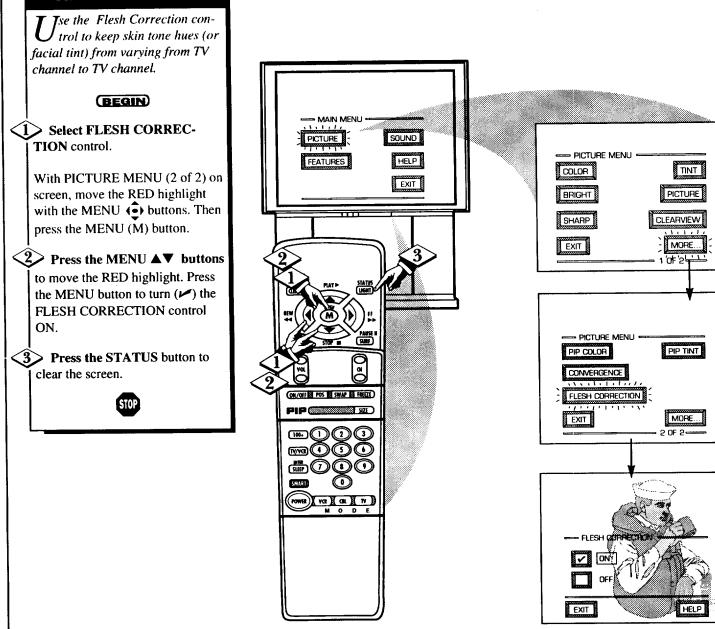
STOP

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.



PICTURE MENU CONTROLS (CONTINUED)

FLESH CORRECTION



FEATURE MENU CONTROL ADJUSTMENTS

PICTURE SOURCE

The picture for the TV can come through either the ANTENNA plug or the AUDIO/VIDEO INput jacks (on the rear of the TV). The Picture Source control simply tells the TV which one of these picture sources it is to show on the TV screen.

1 Select PICTURE SOURCE SELECT control.

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

✓ Press the MENU ▲▼ buttons to move the RED highlight. Press the MENU button to turn the desired PIC-TURE SOURCE control ON ().

- ANTENNA- for a picture signal coming from the ANTENNA plug on the TV.
- VCR/AUX- for a picture signal coming from the Video Input jack on the rear of the TV.

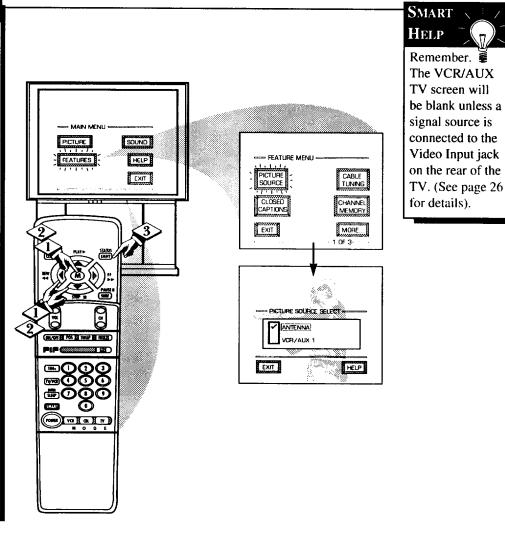
3 Press the STATUS button to clear the screen.

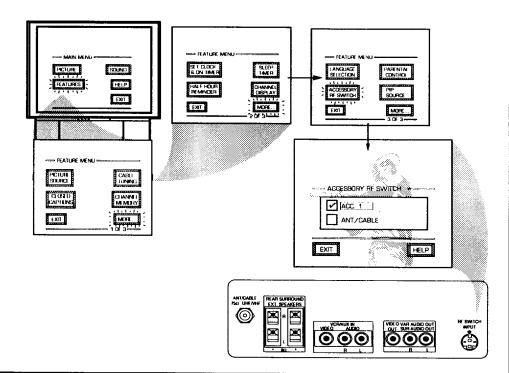
RF SWITCHER

An optional RF Switcher is available that will allow an Antenna/Cable TV signal and another video accessory (VCR, Video Disc Player, etc.) to be connected to the TV at the same time.

Connection instructions are given with the accessory RF Switcher, but be sure to turn the TV's power OFF (and unplug its AC power cord) when connecting the RF Switcher to the RF Switch Input jack on the rear of the TV. Replug the TV's AC Power Cord into the wall outlet and turn the TV ON. The TV's Picture Source Menu will now show an Accessory Signal Source option available for selection.

The accessory RF Switcher can be purchased or ordered from your dealer. If your dealer does not carry the accessory, call the Information Center number (listed with your warranty) for further assistance.





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 CAPTION-ING control.

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

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

the MENU button to select () 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.)

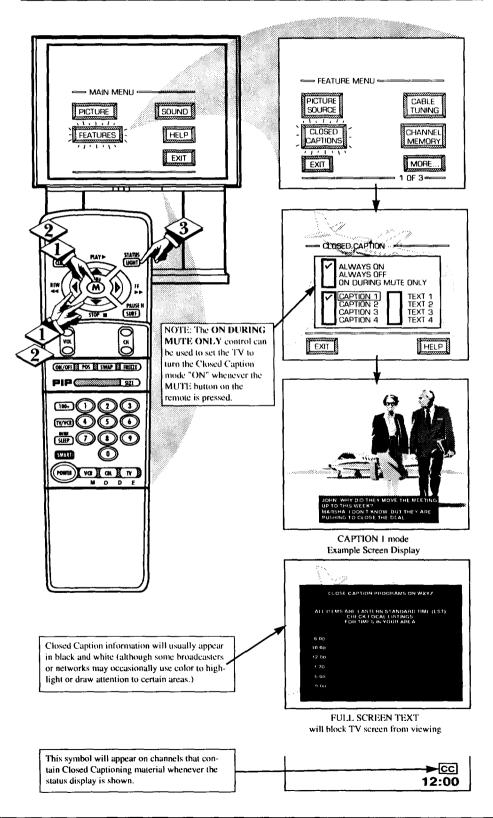
TEXT 1, 2, 3, 4: often used for channel guide, schedules, or bulletin board information for CC programs.

3 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 viewing.

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

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

You need to make sure the TV is set to pick up either Cable TV or Antenna signals. In other words, the TV needs to know if you connected a Cable TV signal or a normal antenna to its ANTENNA plug.

BEGIN

(1) Select CABLE CHANNEL TUNING control.

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

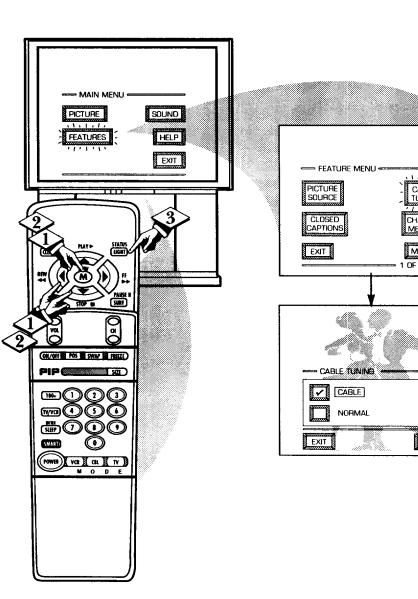
<2> Press the MENU $\land \lor$ buttons to move the RED highlight. Press the MENU button to select (1/2) the desired mode - For Example: CABLE.

CABLE-If you DO have Cable TV connected to the TV. Channels I-125 are available.

NORMAL- If you have an Antenna connected to the TV. Channels 2-69 are available.

<3 > Press the STATUS button to clear the screen.





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CABLE

CHANNE

MEMORY

HELP

MORE ..

1 OF 3-

FEATURE MENU CONTROLS (CONTINUED)

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 $\blacktriangle \nabla$ 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.

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.

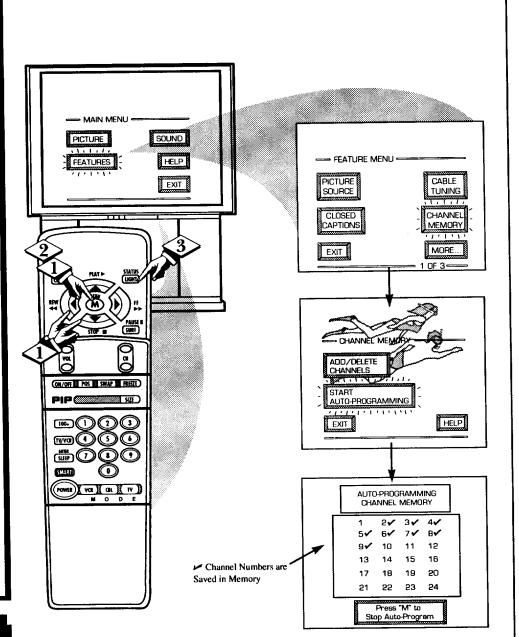


SMART HELP

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.

3 Press the MENU ▶ button to ADD the channel into the TV's memory.

> Press the MENU button to DELETE the channel from memory.

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

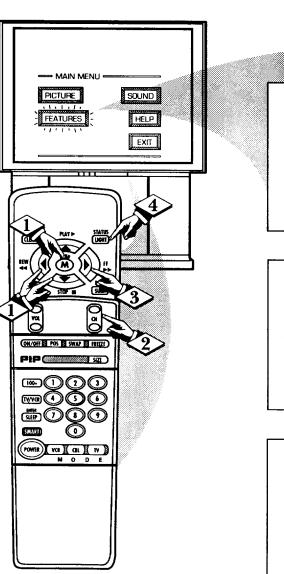
4 Press the STATUS or MENU button to clear the screen.

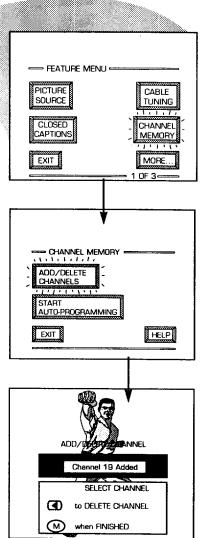


SMART HELP

Remember. You can also add the VCR/AUX mode just like a channel. Then by pressing the CHANNEL $\blacktriangle \lor$ 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.





FEATURE MENU CONTROLS (CONTINUED)

SET CLOCK

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

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

(BEGIN)

1 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.

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

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

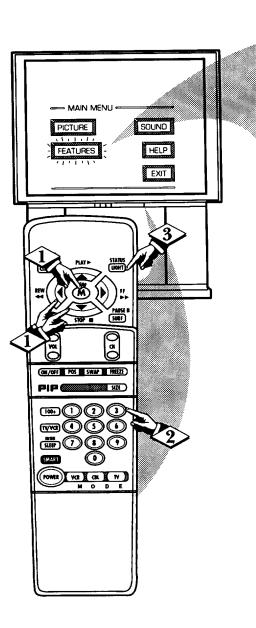
SMART HELP

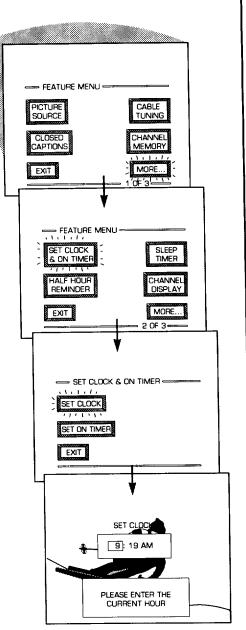
Remember, be sure to press "0" first and then the hour number for single digit entries.

The remote's MENU (D) 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.

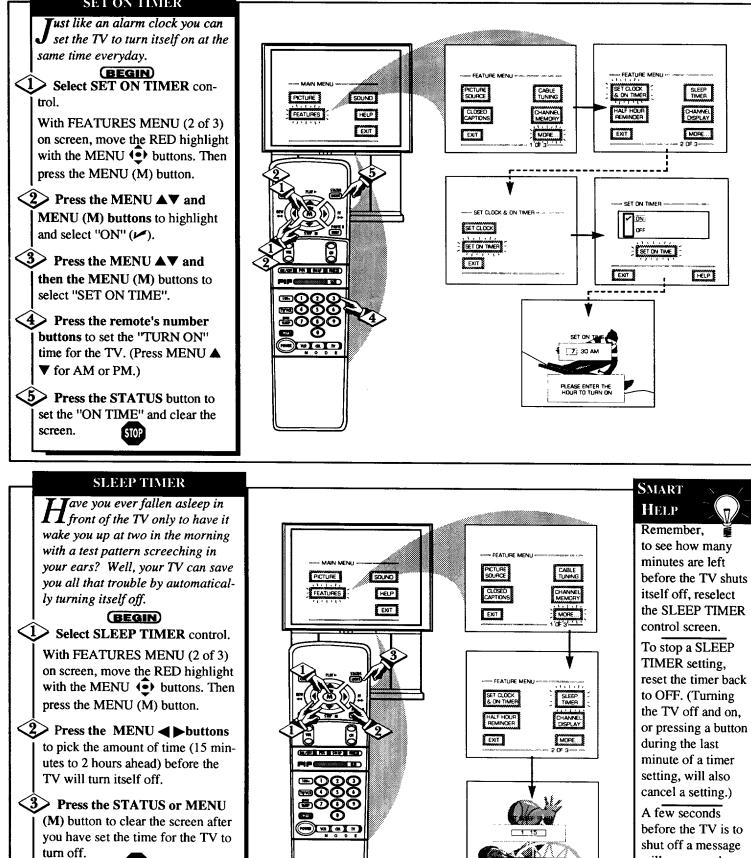




FEATURE MENU CONTROLS (CONTINUED)

SET ON TIMER

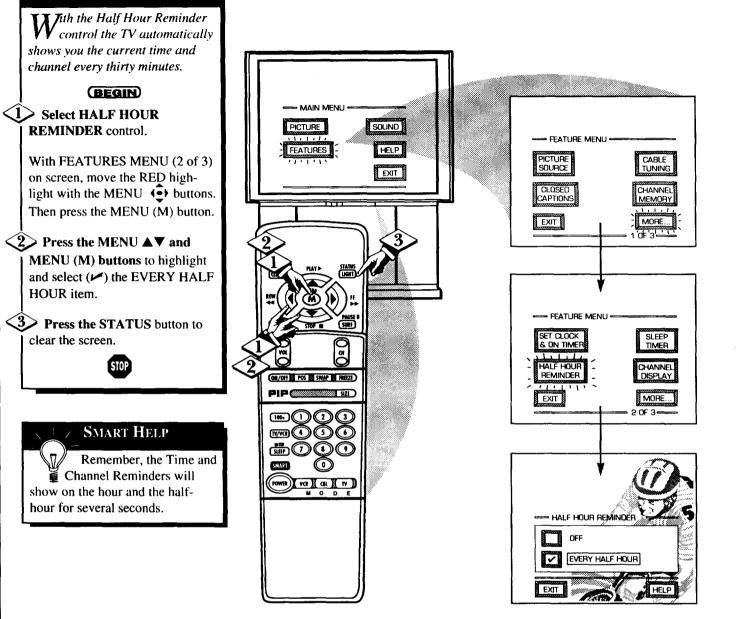
STOP



will come on the

screen telling you GOOD NIGHT.

HALF HOUR REMINDER



FEATURE MENU CONTROLS (CONTINUED)

PARENTAL 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:

BEGIN Select the PARENTAL CON-| TROL.

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

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

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.

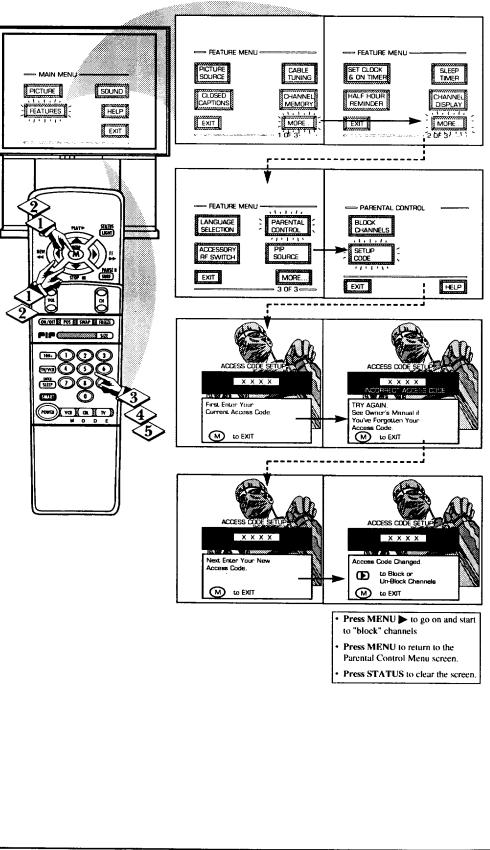
5 Enter a new four digit number code using the remote.

"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

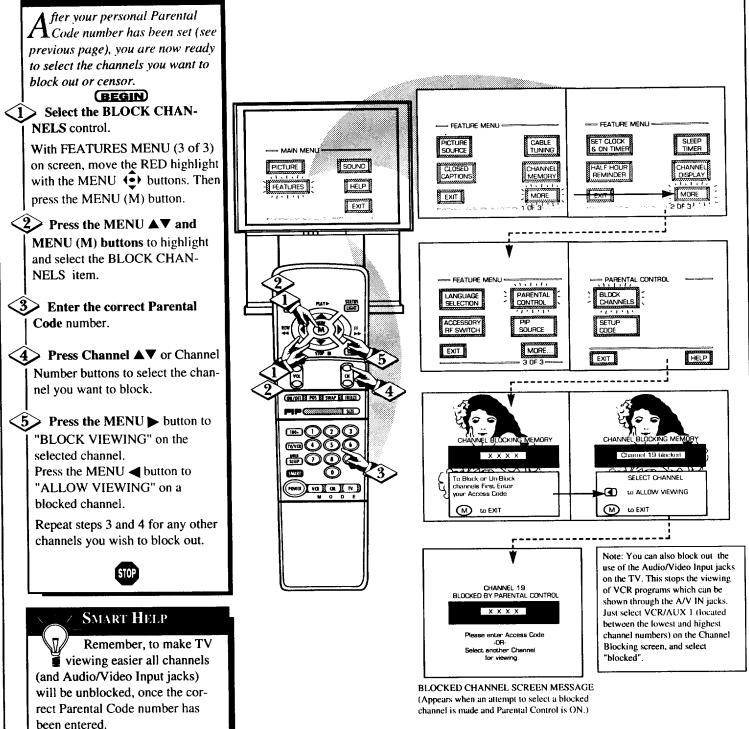
Parents - it isn't possible to unlock or defeat your Censor Code without changing to a new code number. So if your Code number changes, and you didn't change it yourself, then you will know that someone has altered the code and the blanked out channel has been viewed. NOTE: Your TV left the factory with 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.



PARENTAL CONTROL

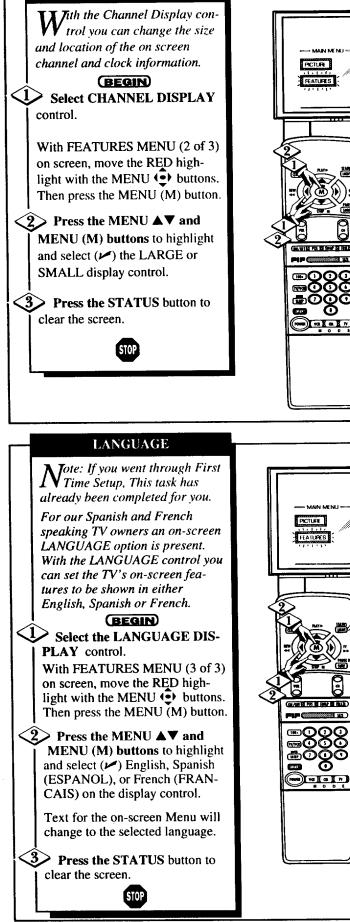
When the TV is turned OFF and then back ON again, Parental Control is back in place for all

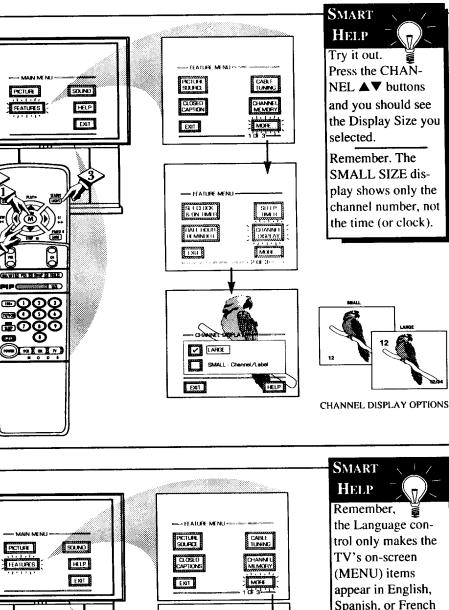
channels.



FEATURE MENU CONTROLS (CONTINUED)

CHANNEL DISPLAY





FEATURE ME

sleep Timeri

MORE.

PARENTAL CUNTROL

PIP SOURCE

MOHE

HELP

SET CLOCK & ON THME B

HALF HOUR REMINDER

LANGUAGE SELECTION

ACCI SSUR

ENGLISH

EXIT

FRENCH

EX11

EXIT

text. It does not

such as Closed

0.11

LANGUAGE DISPLAY OPTIONS

shows.

SALI

change the other on-

screen text features

Captioned (CC) TV

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

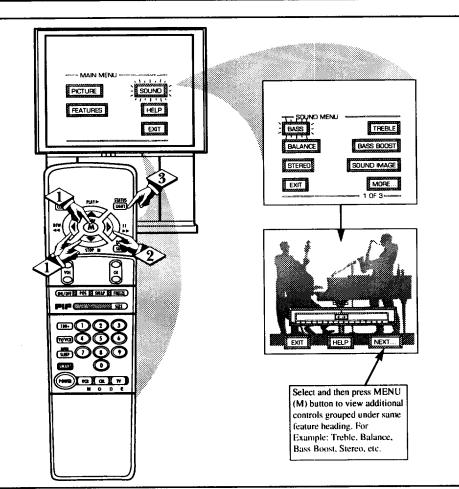
Select BASS, or TREBLE, or BALANCE sound control.

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

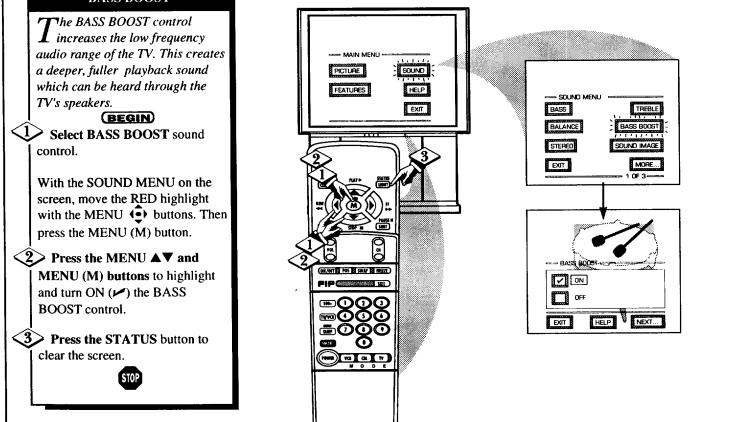
Press the (+) or (-) buttons to adjust the sound control to levels you prefer.

Press the STATUS button to clear the screen.

STOP



BASS BOOST



SOUND MENU CONTROL (CONTINUED)

STEREO

Your TV is able to receive broadcast stereo TV programs. The TV is equipped with an amplifier and twin speaker system through which the stereo sound can be heard.

A RED stereo light (on the front of the TV) will come on when a stereo broadcast is received.

(BEGIN)

Select STEREO 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 MENU ▲▼ and MENU (M) buttons to highlight and turn ON (𝒴) the STEREO mode.

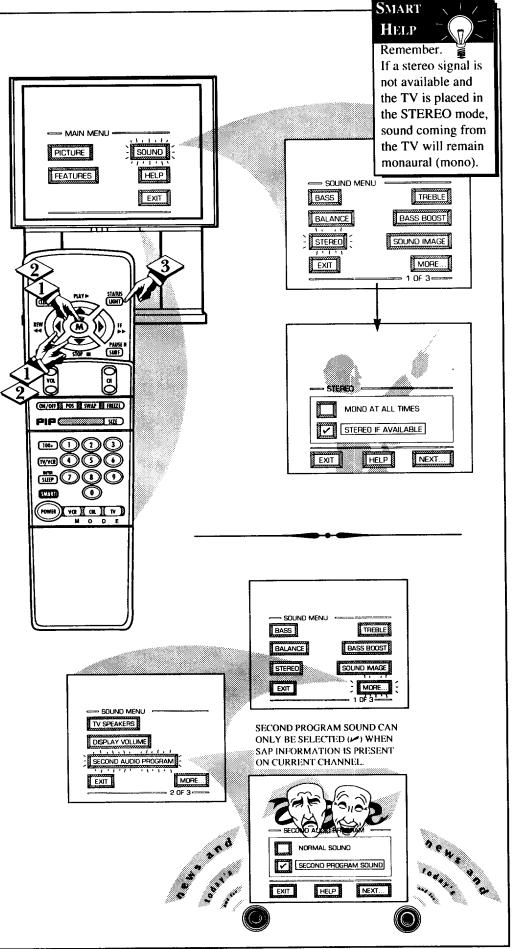
3 Press the STATUS button to clear the screen.

STOP

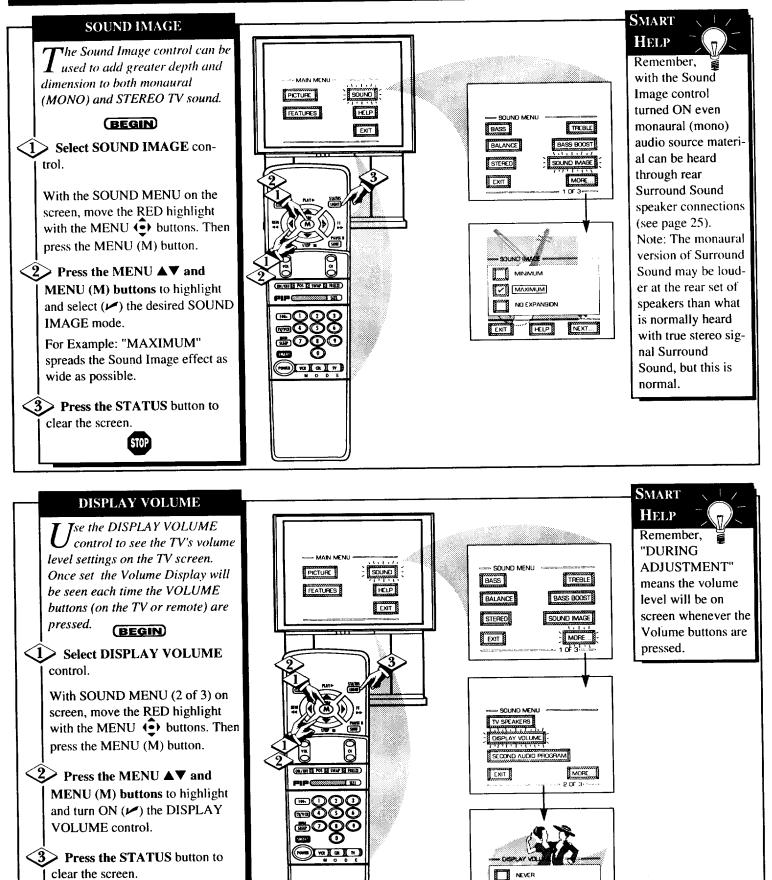
SECOND AUDIO PROGRAM

Second Audio Program (SAP) is part of the stereo broadcast system. Sent as a third audio channel SAP can be heard apart from the current TV program sound. TV stations are free to use SAP for any number of purposes, but many experts believe it will be used for foreign language translations of TV shows (or for weather and news bulletins.)

NOTE: If a SAP signal is not present with a selected program, the SAP option can not be selected. "This program does not contain SAP information" will show on the TV screen.



Sound Menu Controls (continued)



STOP

UURING ADJUSTMENT

EXIT

HELP

SOUND MENU CONTROLS (CONTINUED)

TV SPEAKERS

Would you like to hear TV programs through your audio hifi system? The TV's Variable Audio Output jacks and TV Speaker On/Off control work together to offer you this TV sound option.

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.

Set the audio system's volume to normal listening level.

2 Turn the TV and audio system ON. You can now adjust the sound level coming from the audio system with the Volume ▲▼ buttons on the TV or remote.

To hear the TV sound from only the audio system speakers, select TV SPEAKERS control.

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

Yeress the MENU ▲▼ and MENU (M) buttons to highlight and turn OFF (𝒴) the TV SPEAK-

ERS control.

You should now only hear TV sound coming from the audio system speakers.

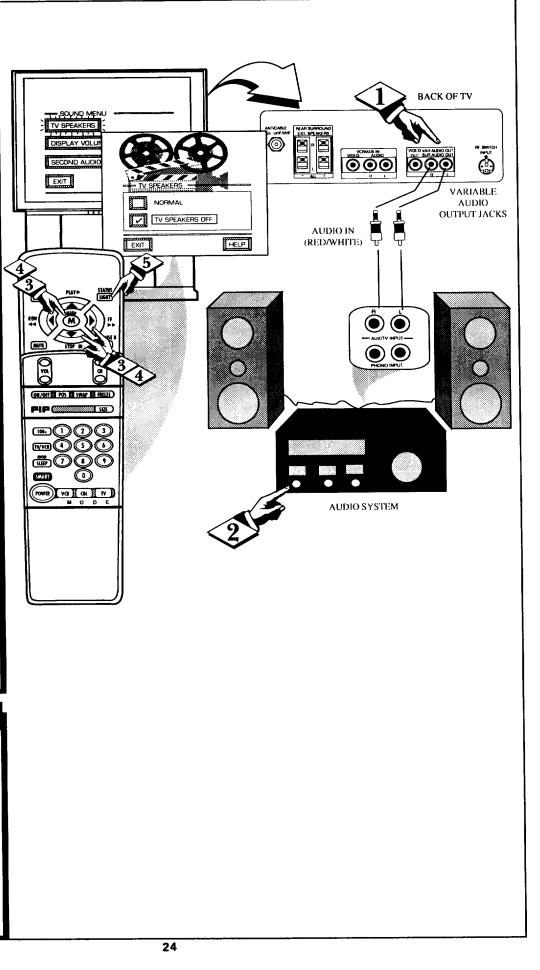
5 Press the STATUS button to clear the screen.



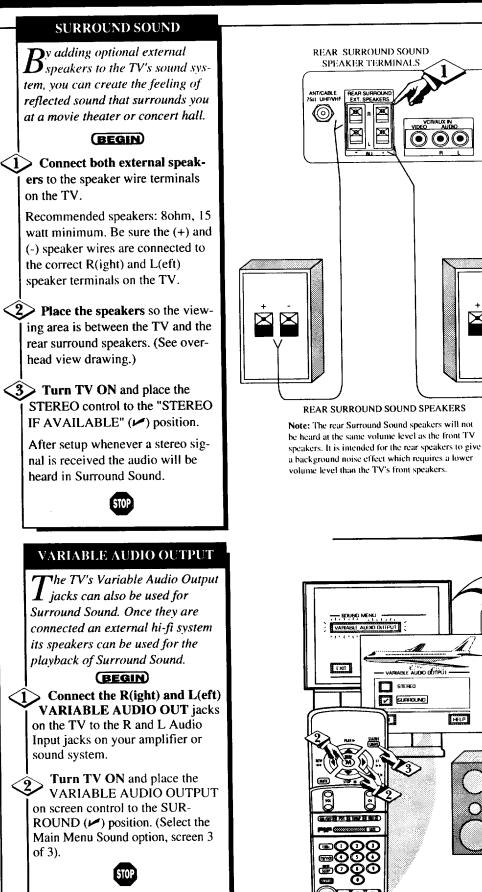
SMART HELP

Remember, the audio system may have to be in AUX(iliary) mode to play sound from the TV (Outputs).

Note: When the TV SPEAKER control is set to "NORMAL" (for TV speaker operation) make sure the VARIABLE AUDIO OUTPUT control (see next page) is also set to "STEREO" in order for the TV's AUDIO OUTPUT jacks to work properly.



Sound Menu Controls (continued)



HELP Remember, Surround Sound will not work with only one speaker connected; or with monaural audio material (unless the Sound Image control is turned ON see page 23.)

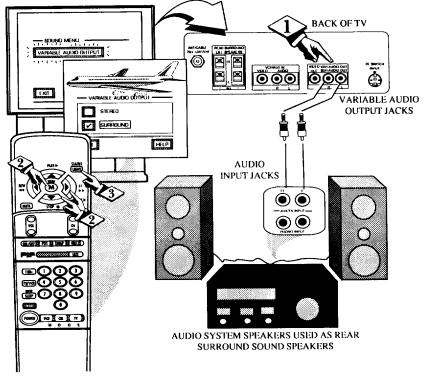
REAR SPEAKER

SMART

BACK OF TV

REAR SPEAKER

PRIMARY VIEWING AREA



25

USING THE AUDIO/VIDEO INPUT JACKS

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.

3> 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.

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

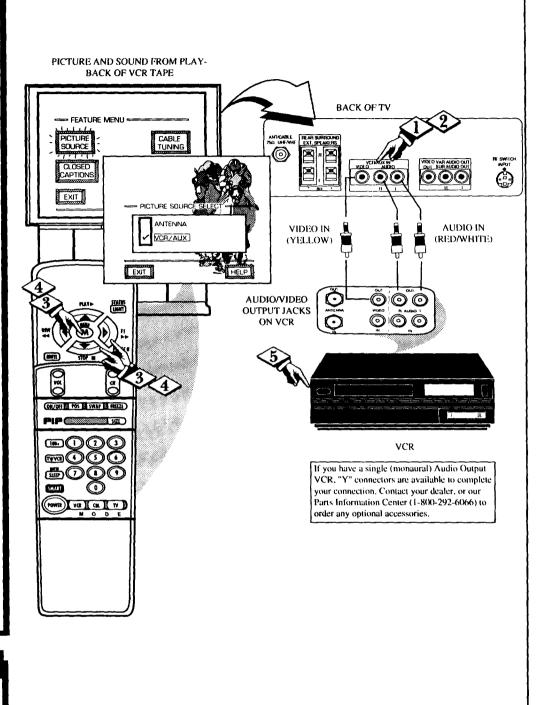
5 Turn the VCR ON and press PLAY to view the tape on the TV.

STOP

SMART HELP

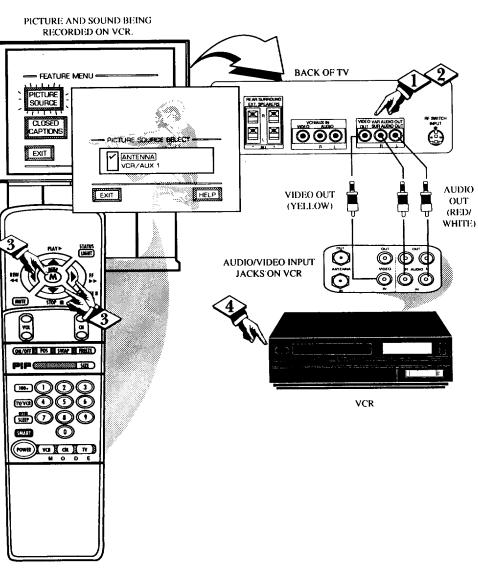
Remember, an easy way to select VCR/AUX mode is to press the VCR button on the front of the TV. (Channels 3 and 4 can also be selected in this way.)

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.



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. 2 Connect the AUDIO OUT jacks R(ight) and L(eft) from the TV to the AUDIO IN jacks on the VCR. 3> 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. STOP SMART HELP 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

Degardless of what type of pro-🚺 gram your watching, your TV has automatic video control settings matched for your current program source or content. The Smart Picture feature quickly resets your TV's video controls for a number of different types of programs and viewing conditions you may have in your home.

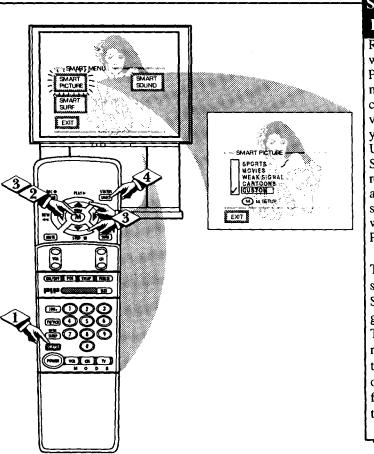
(BEGIN)

1 Press the Smart button on the remote.

2 Press the Menu (M) button to select the Smart Picture feature (highlighted in red).

3> Press the Menu (M) ▲ or ▼ buttons to choose any of the preset viewing categories (Example: Cartoons, Movies, etc.). Then press the Menu (M) button to select the highlighted control.

> Press STATUS button on the **(4**) remote control to clear the screen.



Smart HELP

Remember. with the Smart Picture "CUSTOM" mode selected you can set a number of video controls to your own preference. Use the remote's SMART button to reselect these personally adjusted Custom settings contained within the Smart Picture feature.

The video control settings for the Smart Picture categories (except CUS-TOM) are memorized into the TV at the factory and can only be reset by field and service technicians.

SMART SOUND

STOP

re you tired of the sound of **1** 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)

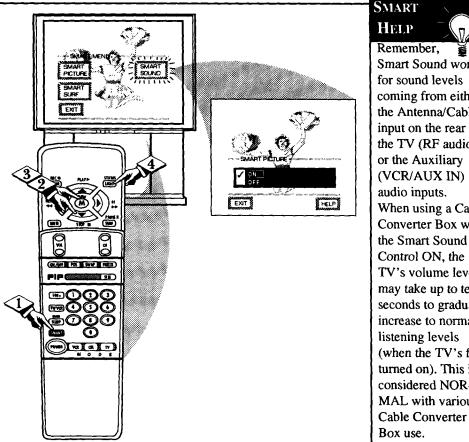
1> Press the Smart button on the T remote.

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.

3 Press the Menu \blacktriangle or \blacktriangledown 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.

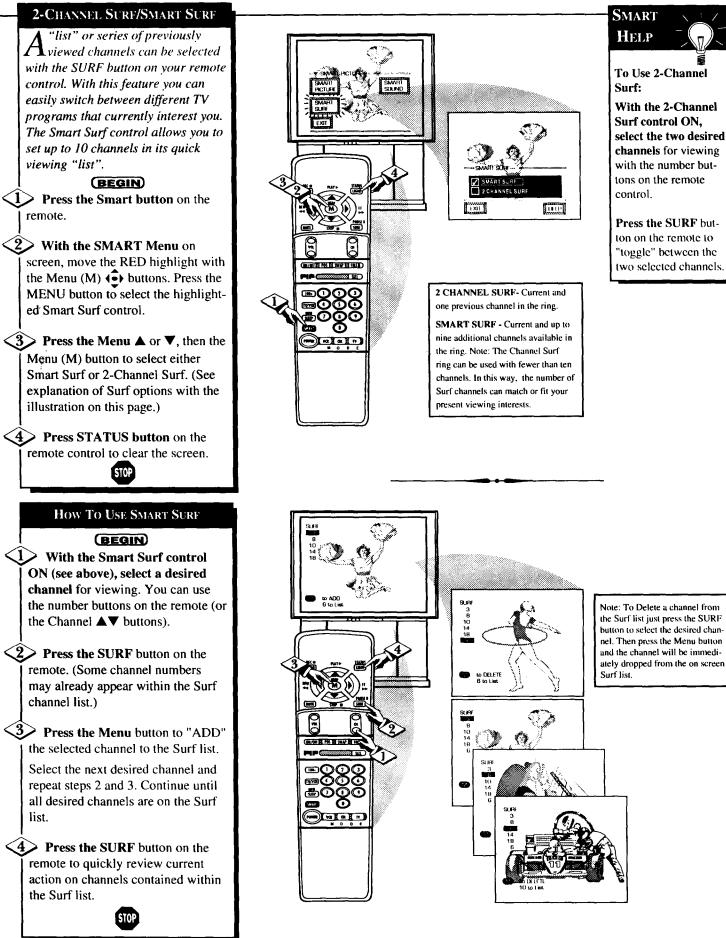
STOP



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

REMOTE CONTROL OPERATION





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.

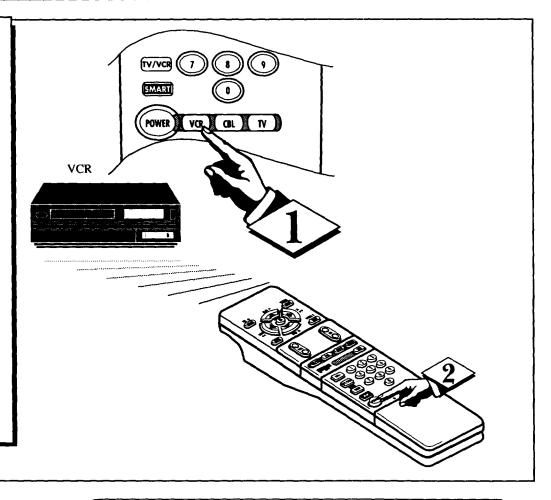
BEGIN

1 Press the VCR System button on the remote.

2 Point remote toward VCR and press the POWER button.

3 Does the remote turn the VCR ON?

> IF YES, **a** 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).

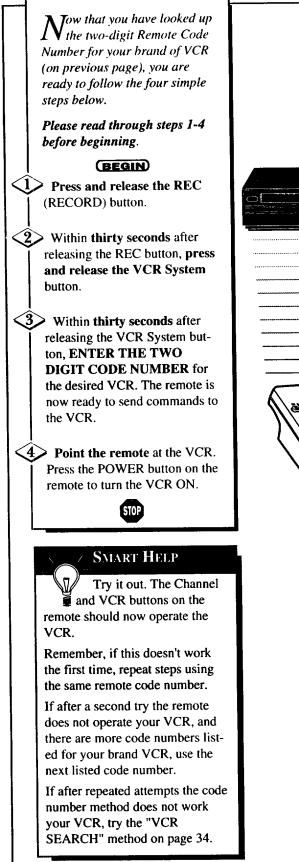
continue to next page

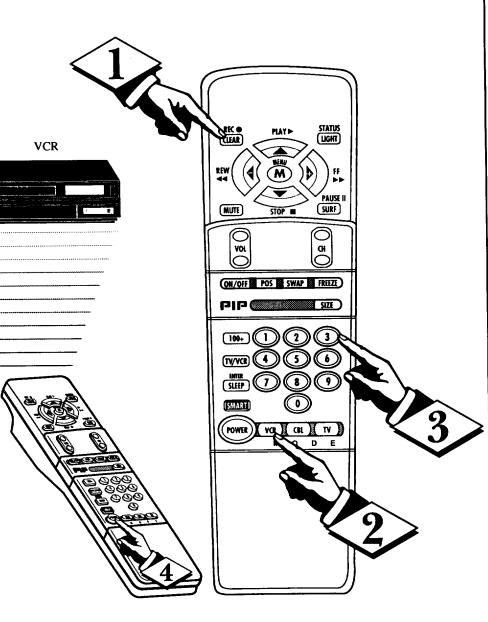
SMART HELP

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.

ſ	VCR	REMOTE
	<u>BRAND</u>	<u>CODE NO.</u>
	Akai	24, 25, 36
	Capehart	33
	Conoid	
	Curtis Mathes	42
	Daewoo	33
	Emerson20	0, 31, 34, 40
	Fisher	06, 07
	Goldstar	23
	Go Video	45, 46
	Hitachi	
	JVC	14, 47, 48
	Magnavox	00, 05
	Matsushita	
	Mitsubishi16, 1	
	Multitech	27, 28
l	NEC	

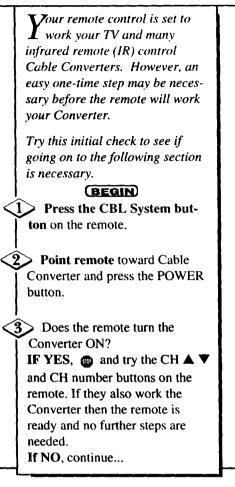
VCR	REMOTE
<u>BRAND</u>	CODE NO.
Panasonic	01, 02, 52
Philips	00, 05
Philips Video CD .	
RCA04, 3	32, 42, 43, 44
Samsung	22, 30
Sansui	
Sanyo	
Sears	08
Sharp	11, 12
Shintom	35
Sony	09, 10, 41
Teknika	26
Toshiba	18, 19
Video Concepts	
Zenith	15





SETTING THE REMOTE TO WORK CABLE TV CONVERTERS

Ħ



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

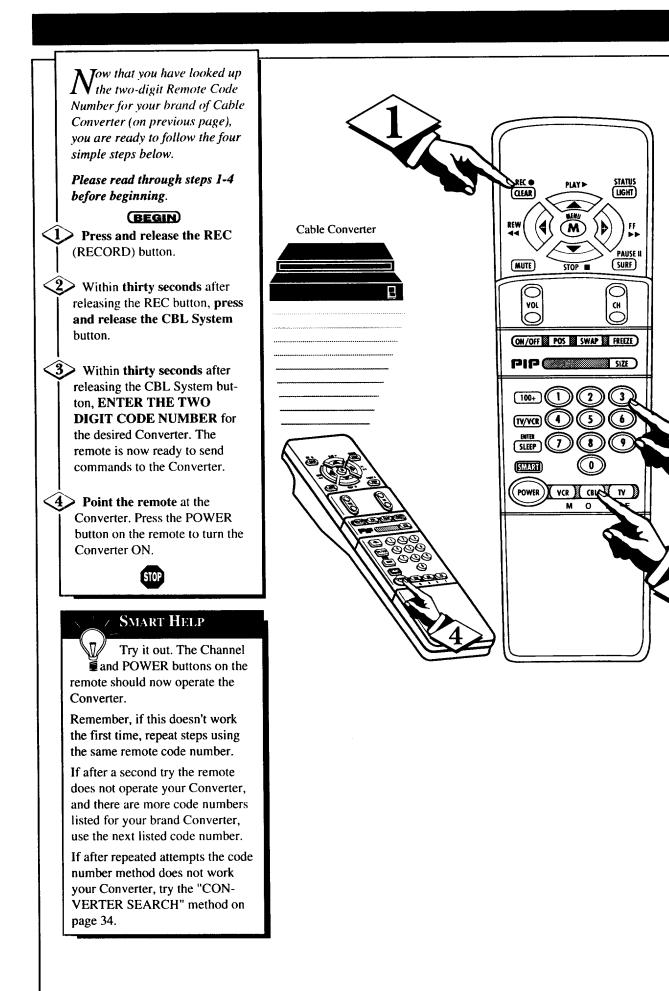
SMART HELP

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.

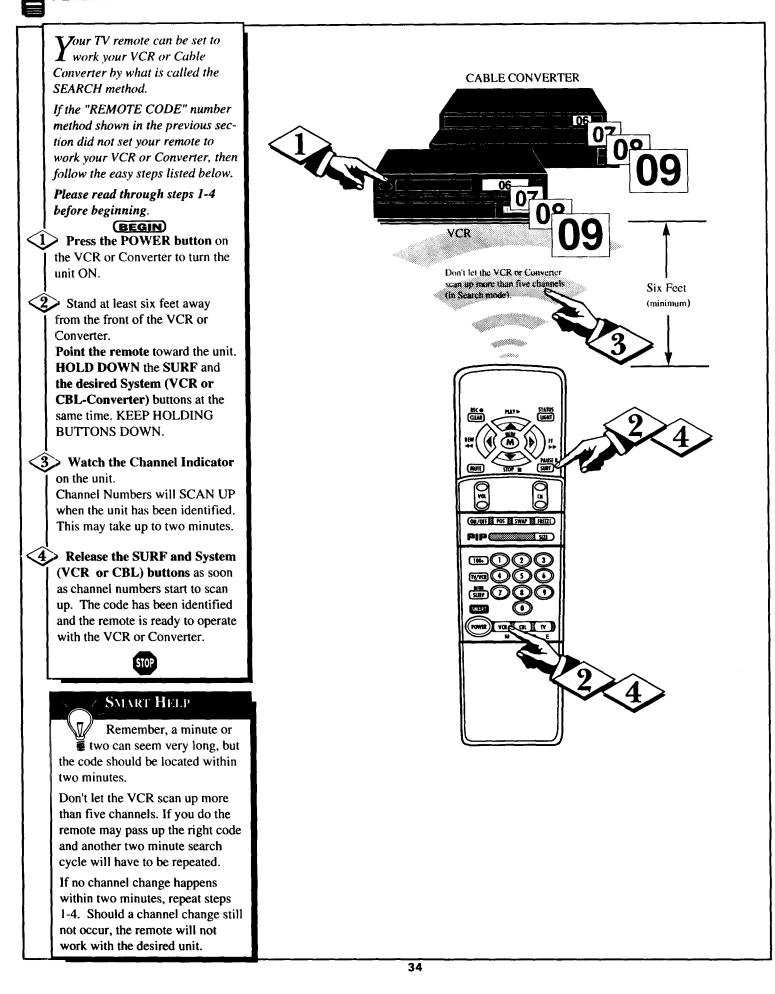
POWER VCR I CBL TV
Cable Converter

CONVERTER BRAND	REMOTE <u>CODE NO.</u>
Archer	
Diamond	
Drake	
Gemini	
Hamlin	
Hitachi	
Jerrold .00,01,02	,03,04,05,46,55
Macom	29, 38
Magnavox	17, 31
NSC	
Oak	06, 27, 39
Panasonic	
Philips19,	20, 21, 24, 26
Pioneer	
Regency	10, 11

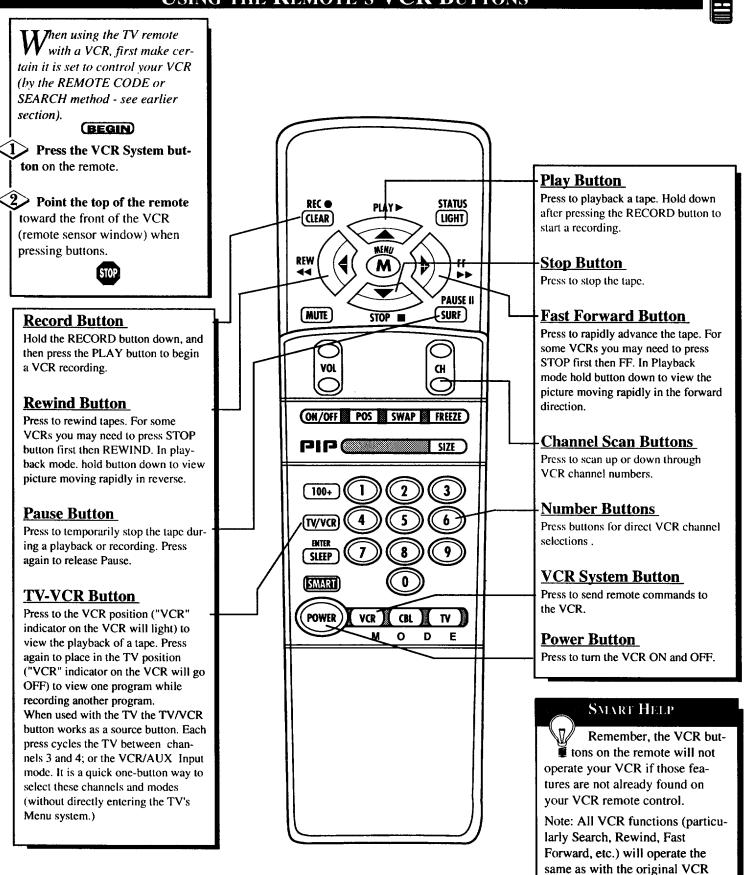
CONVERTER REMOTE ^N BRAND <u>CODE NO.</u>
Rembrant
Salora
Scientific Atlanta 08, 22, 47
Sheritech
Starcom
Sylvania16
Texscan
Tocom
Toshiba43
Uniden Satellite
Unika
United Satellite
Universal
Video Tech
Video Way
Zenith



SETTING YOUR REMOTE TO WORK VCRs, CONVERTERS - SEARCH



1



remote control provided with the

VCR.

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

BACK OF TV

 $\bigcirc \bigcirc$

 \odot \bigcirc

 $\odot \odot \odot$

VCR

 (\bullet)

AUDIO OUT

(RED/WHITE)

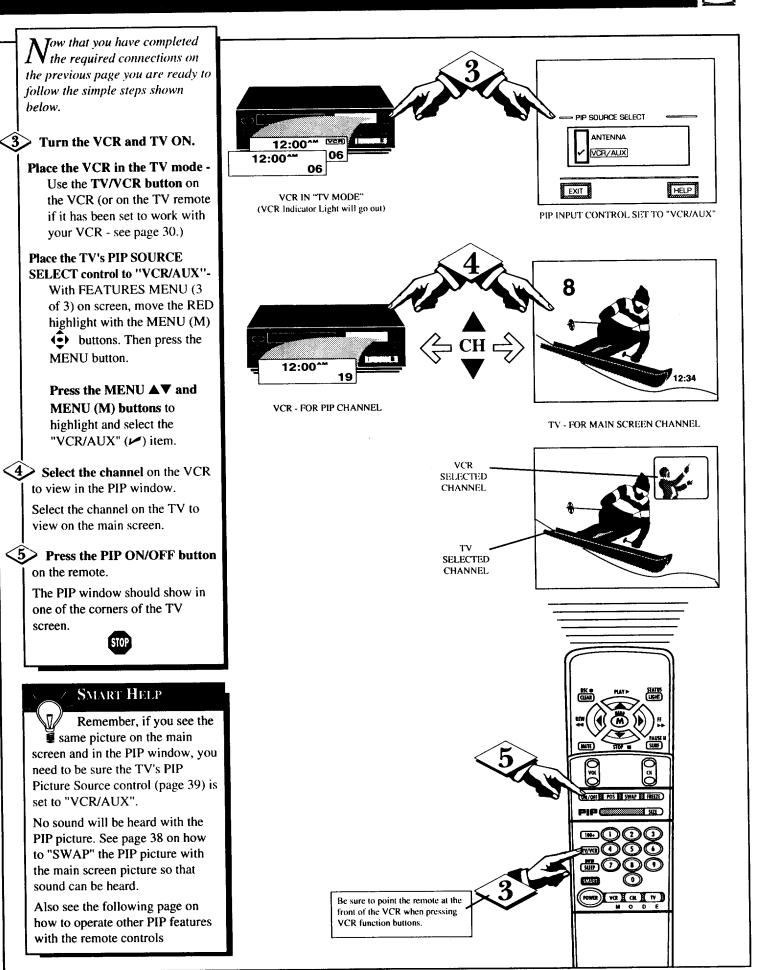
AUDIO/VIDEO

CABLES SUP-

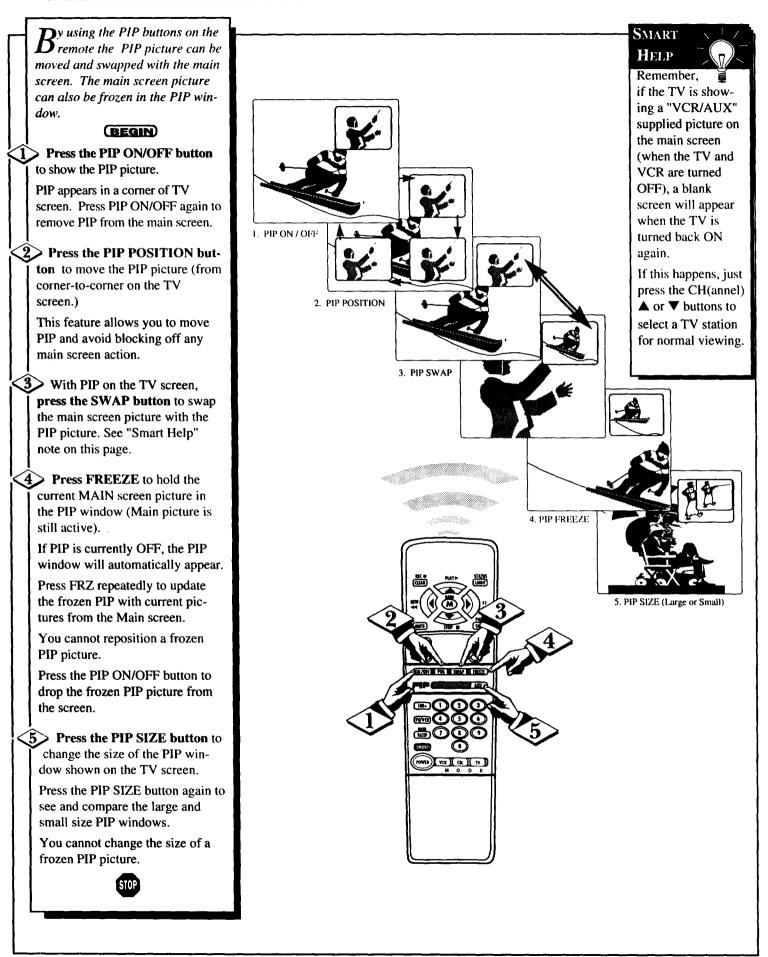
PLIED

Dicture in Picture (PIP) is the showing of two pictures on the TV screen at the same time. (One ΜΛΙΝ PIP main screen picture and one small SCREEN inset picture - or PIP). Note: The PIP picture must be supplied by a VCR (or other accessory equipped with a VIDEO OUTPUT jack). If you already went through FIRST TIME SETUP (in the Quick-Use Guide), then the connections for PIP have been completed. To see how channels selected on a VCR can be shown as PIP: VIDEO OUT ANT OUT (YELLOW BEGIN **Connect the VIDEO OUT** jack on the VCR to the + VCR/AUX VIDEO IN jack (yel-OUTDOOR UHF/VHF ANTENNA low) on the TV. Also connect the AUDIO OUT (R ANT IN and L) jacks from the VCR to the CABLE TV SIGNAL VCR/AUX AUDIO IN jacks (red and white) on the TV. Also be sure the normal antenna connection between the VCR and TV are in place. 2> Move to the next page after the VCR to TV PIP connections are completed. SMART HELP For other possible PIP connections see page 41 for the "More PIP Connections" section. If you have a single (monaural) Audio Output VCR, "Y" connectors are available to complete your connection. Contact your dealer, or our Parts Information Center (1-800-292-6066), for details.

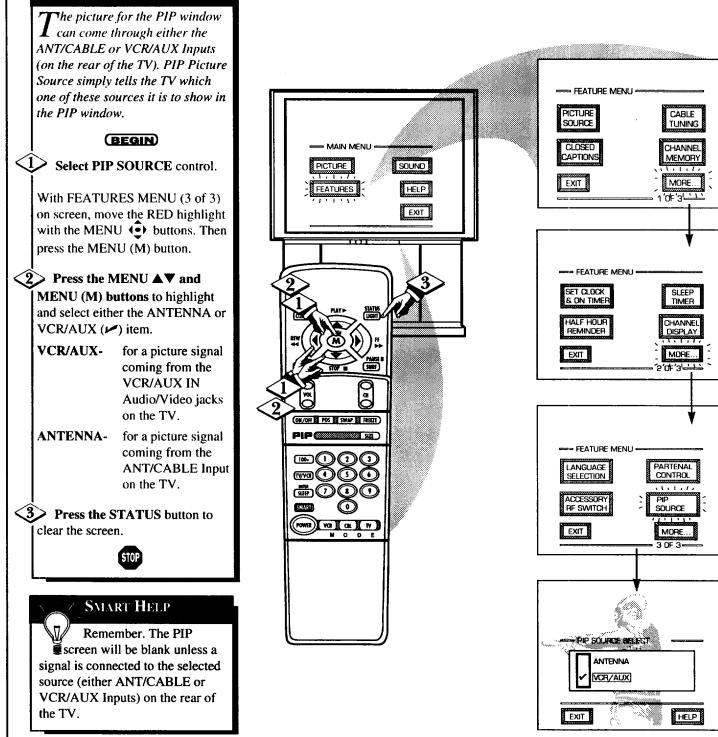
1



USING PIP WITH THE REMOTE CONTROL

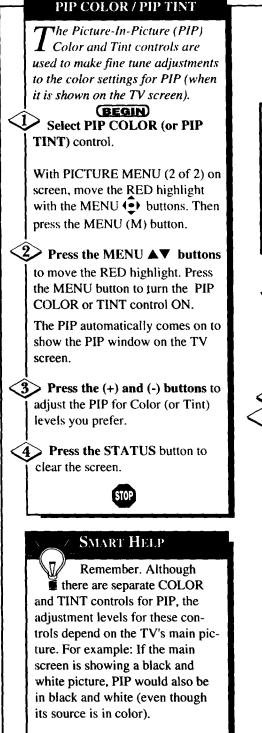


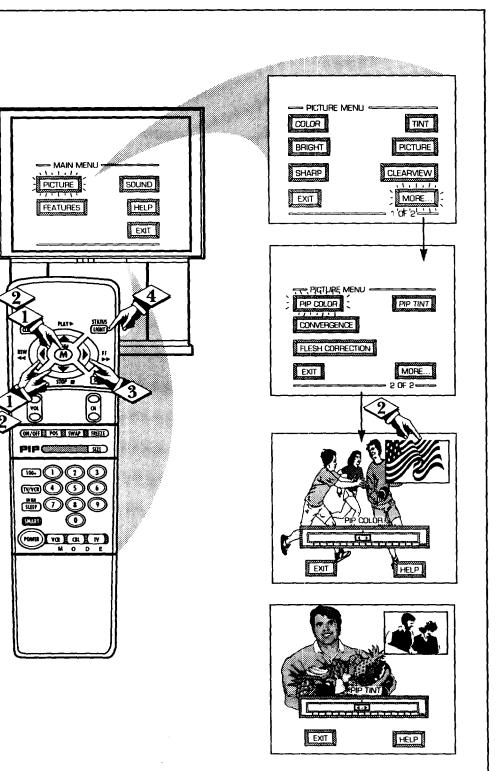
PIP SOURCE



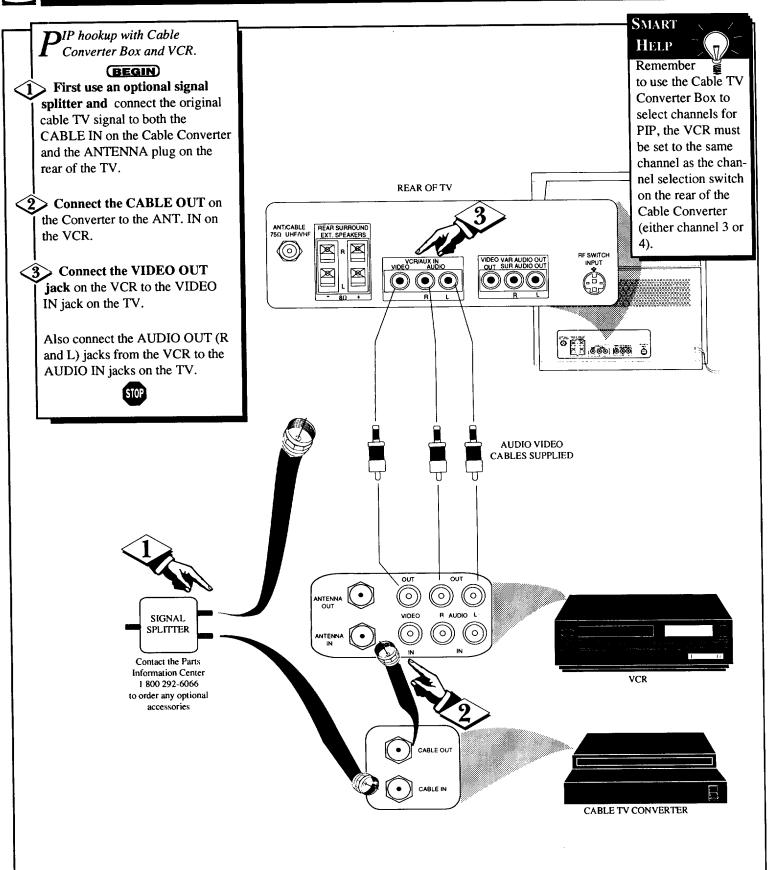
ADJUSTING PICTURE-IN-PICTURE COLOR AND TINT

PIP COLOR / PIP TINT





MORE PIP CONNECTIONS



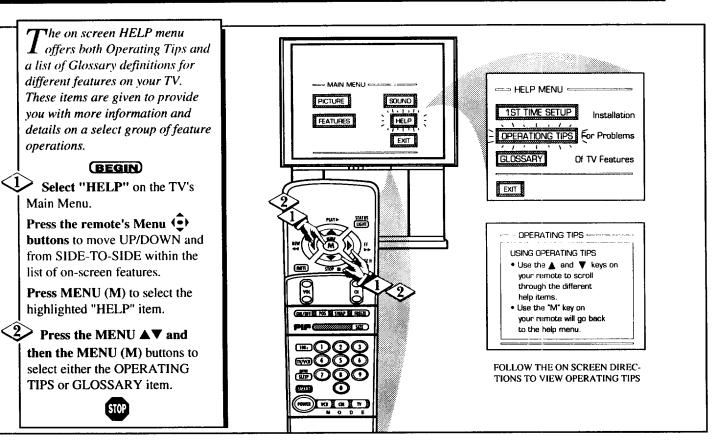
TIPS IF SOMETHING ISN'T WORKING

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.

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.).

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

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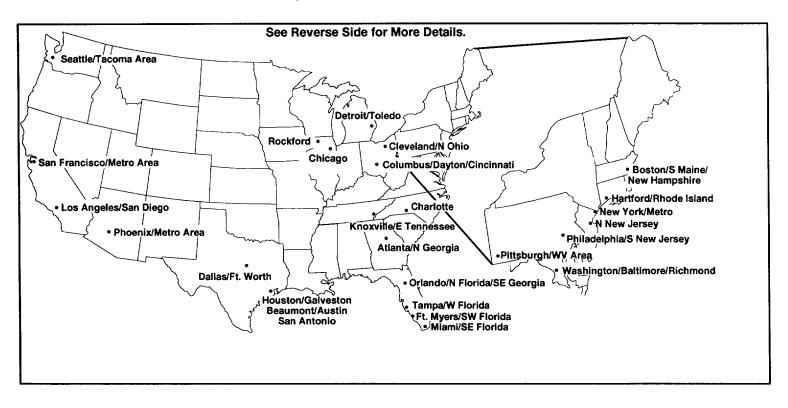
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* Information contained in Quick-Use (Q/U) Guide - page listed

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Philips Consumer Electronics Company

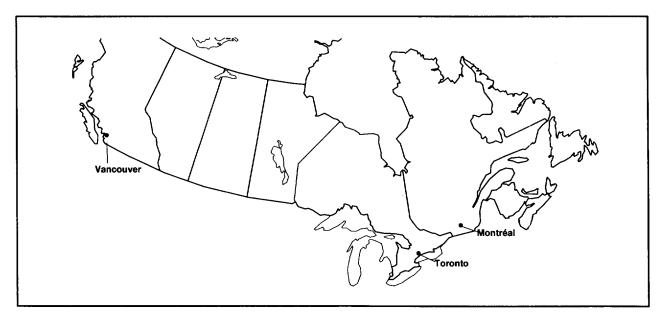
Factory Service Center Locations



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.



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.

Atlanta-Athens-Macon-Chattanooga, TN-North Georgia Area 1898 Leland Drive Marietta, GA 30067 (404) 952-3279

Boston–Southern Maine– Southern New Hampshire Area 1 North Avenue Burlington, MA 01803 (617) 272-4825

Charlotte–Winston Salem– Greensboro–Chapel Hill– Raleigh–Spartanburg, SC Area 520-G Clanton Road Charlotte, NC 28217 (704) 529-6330

Chicago–Gary Area 1360 W. Hamilton Parkway Itasca, IL 60143 (708) 775-0990

Cleveland–Akron– Youngstown Area 24090 Detroit Road Westlake, OH 44145 (216) 899-2040

Columbus-Dayton-Cincinnati Area 6333 Busch Blvd. Columbus, Ohio 43229 (614) 781-2605 Connecticut–Rhode Island– Springfield, MA Area 1294 Blue Hills Avenue Bloomfield, CT 06002 (860) 726-9612

Dallas-Ft. Worth Area 13375 Stemmons Freeway, Suite 200 Dallas, Texas 75234 (214) 243-4775

Detroit/Toledo Area 25173 Dequindre Madison Heights, MI 48071 (810) 544-2110

Knoxville-Greeneville-Tri Cities-East Tennessee Area 6700 D. Papermill Road Papermill Plaza Knoxville, TN 37919 (423) 584-6614

Ft. Myers-Naples-Southwest Florida Area 11601 Cleveland Ave., Suite 15 Ft. Myers, FL 33907 (813) 278-4242

Houston-Galveston-Beaumont-Austin-San Antonio Area 1110 North Post Oak Road Suite 100 Houston, TX 77055 (713) 682-3990 Los Angeles–San Diego Area 2910 E. LaPalma, Suite E Anaheim, CA 92806 (714) 238-7250

Miami–Southeast Florida Area 2099 W. Atlantic Blvd. Pompano Beach, FL 33069 (305) 978-0467

North NJ-Staten Island-Rockland County, NY Area 140J Commerce Way Totowa, NJ 07512 (201) 890-7200

New York Metro Area 116 Charlotte Avenue Hicksville, NY 11801 (516) 933-1780 Nassau County

Orlando–Jacksonville–North Florida–Southeast Georgia Area 2452 Sand Lake Road Orlando, FL 32809 (407) 857-8998

Philadelphia/S. New Jersey Area 352 Dunks Ferry Road Bensalem, PA 19020 (215) 638-7500

Phoenix-Scottsdale-Mesa-Tempe Area 5032 S. Ash Avenue, Ste. 101 Tempe, AZ 85282 (602) 897-7358 Pittsburgh, PA-Steubenville, OH-Wheeling/Morgantown, WV Area 2891 Banksville Road Pittsburgh, PA 15216 (412) 563-8020

Rockford–Kenosha– Beloit–Madison Area 5602 N. Second Loves Park, IL 61111 (815) 654-7343

San Francisco–Oakland– San Jose Area 3370 Montgomery Drive Santa Clara, CA 95054 (408) 492-9013

Seattle-Tacoma/Olympia Area 1055 Andover Park East Tukwila, WA 98188 (206) 575-6288

Tampa–St.Petersburg– Sarasota Area Center Point Business Park, Building B-1, Suite 100 1911 U.S. Hwy. 301 North Tampa, FL 33619 (813) 621-8181

Washington, DC-Baltimore-Richmond, VA Area 6671-J Santa Barbara Road Elkridge, MD 21227 (410) 796-0105

HOW YOU CAN OBTAIN EFFICIENT AND EXPEDIENT CARRY-IN, MAIL-IN, OR IN-HOME SERVICE IN CANADA FOR YOUR PRODUCT THROUGH A PHILIPS CONSUMER SERVICE CENTER COMMENT OBTENIR NOTRE SERVICE APRES VENTE RAPIDE ET EFFICACE SOIT PAR COURRIER, À DOMICILE, OU EN SE PRÉSENTANT À UN CENTRE DE SERVICE PHILIPS

CÓMO OBTENER UN SERVICIO OPORTUNO Y EFICIENTE POR CORREO, EN CASA O EN PERSONA EN EL CANADA PARA SU PRODUCTO A TRAVÉS DE UN CENTRO PHILIPS DE SERVICIO AL CONSUMII

TORONTO 601 Milner Avenue Scarborough, Ontario M1B 1M8 (416) 754-6064 (Tel.) (416) 292-5161 (Tel.) (416) 754-6290 (Fax) MONTRÉAL 4977 Levy Street St. Laurent, Québec H4R 2N9 (514) 956-0120 (Tel.) (514) 956-0828 (Fax) VANCOUVER 1741 Boundary Road Vancouver, B.C. V5M 3Y7 (604) 294-3441 (Tel.) (604) 294-3574 (Fax)

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 he product, the local Philips service organization will attempt to proide service (although there may be a delay if the appropriate spare ints 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...

In U.S.A., Puerto Rico, or the U.S. Virgin Islands, contact Philips Service Company at the address listed below.

In Canada, contact:

Philips Electronics Ltd. 601 Milner Avenue, Scarborough, Ontario, M1B 1M8 (416) 292-5161 4977 Levy Street, St. Laurent, Québec, H4R 2N9 (514) 956-0120 1741 Boundary Road, Vancouver, B.C., V5M 3Y7 (614) 294-3441

REMEMBER...

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

EL4945E002 / MAC 4102 / 12-95

Optional Accessories

Prices subject to change without notice. Availability subject to change at time of purchase. When ordering accessories outside the U.S.A., please refer to the accessories material, address, and prices for that country

Maximize your viewing pleasure with state-of-the-art accessories designed specifically for your Projection Television. The optional accessories shown in this booklet may be purchased from your local dealer, or may be ordered direct from Philips Consumer Electronics Company.

Call toll-free

1-800-292-6066

Or write

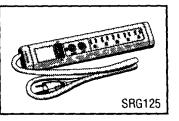
Philips Consumer

Electronics Co.,

Accessories Marketing Dept.,

P.O. Box 967,

Greeneville, TN 37744-0967



TV/Cable Surge Protector Your Cost \$19.95

Electrical fluctuations and power surges can damage your valuable electronic entertainment equipment. Protect your antenna, cable, and electrical lines with Magnavox Audio/Video Equipment Surge Protectors. Features:

- · Coaxial cable input/output
- · Five grounded outlets
- · Built-in LED and reset button

Screen Enhancers and

Screen Enhancer Cleaning Kit Enhances your TV picture while protecting the TV screen. This easy-to-install tinted, plexiglass screen visibly improves picture sharpness and provides protection from scratches and foreign material. Order the Screen Enhancer Cleaning Kit to maintain the quality and performance of your screen enhancer. Screen Enhancer Cleaning Kit 4835 395 17265



Universal Night Lite™ Audio/Video Remote Your Cost \$24.95

Replace your lost or broken remote control, or consolidate all your remotes into one. Plus, make remote easier to use in dimly-lit areas, with our Night Lite™ lighted keypad.

Features:

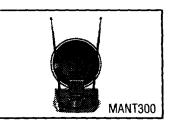
- Preprogrammed
- Autoscan and manual code setup
- · On-screen capabilities
- Menu programming
- · Spanish instructions included
- Toll-free customer assistance
 number included

46" Screen Enhancer CE9246

48" Screen Enhancer CE9648

54" Screen Enhancer CE9654

60" Screen Enhancer CE9660



Smart Amplifier Amplified VHF/UHF/FM Indoor Antenna

Your Cost \$34.95

Drastically improves VHF/UHF/FM reception on your TV or stereo. Simply attach antenna to your TV/stereo and enjoy crisper, clearer sound and improved picture quality. Adjustable UHF loop tilts and rotates for the best possible reception.

<u>Features:</u>

- 39" retractable dipoles
- 6' 75 ohm coax connection cable
- Matching transformer included
- Soft base prevents scratching surfaces
- Active antenna with amplifier with up to 20 dB gain
- LED power indicator on front of antenna: easy to see while watching TV
- Knob on top of antenna serves as gain and power switch
- AC/DC power adapter included
- 90-day warranty