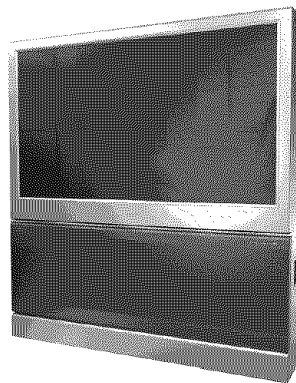


# User Manual

ADVANCED INSTRUCTIONS



51PP9910  
55PP9910



*Thank you for choosing Philips.*

**Need help fast?**

*Read your User Manual first for quick tips that make using your Philips product more enjoyable. If you have read your instructions and still need assistance you may access our online help at*

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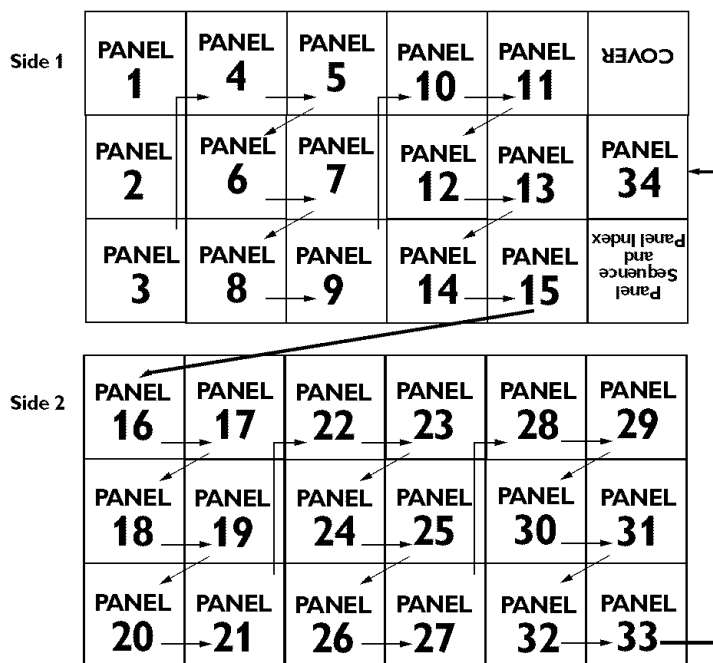
***call 1-800-531-0039***

*while with your product.*

# PHILIPS

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## PANEL INDEX

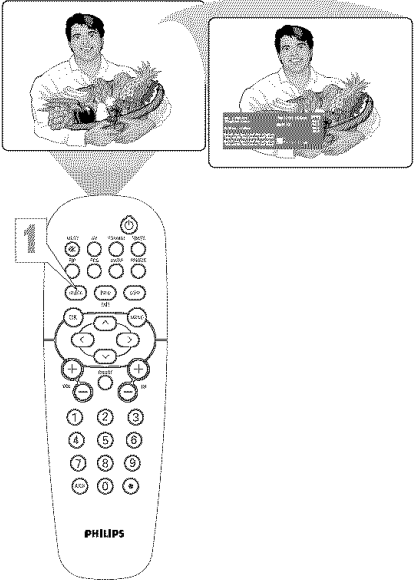


SUBJECT	Panel #	SUBJECT	Panel #
<b>Advanced Remote Features</b>		Audio Out,	
Using the Guide .....	.1	Speakers Dig Out .....	.14
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DSURF .....	.3	Sleep .....	.16
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# I ADVANCED REMOTE FEATURES

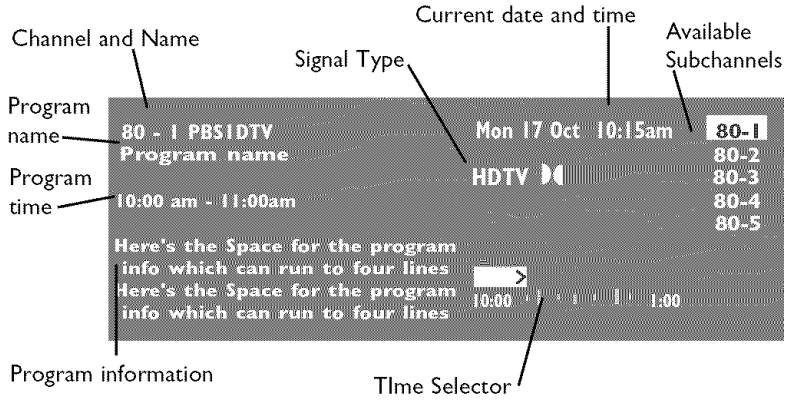
## USING THE GUIDE

The guide can provide you with information about the current program as well as upcoming programs. The content and accuracy of the guide is entirely dependent on the broadcaster or cable company.



- 1 Press the GUIDE button to open the Guide window. If the broadcaster or cable company is providing it, information about the current program and programs throughout the day are displayed.
- 2 Use the CURSOR LEFT or RIGHT button to select a time. The program name, time, information, as well as signal type are displayed.

### Guide



## 2

## ADVANCED REMOTE FEATURES

### USING SURF

After you set up a list of your favorite signal sources in the SURF list, you can press the SURF button to see the list and quickly tune to a favorite signal source. Place up to 10 signal sources in the SURF list.

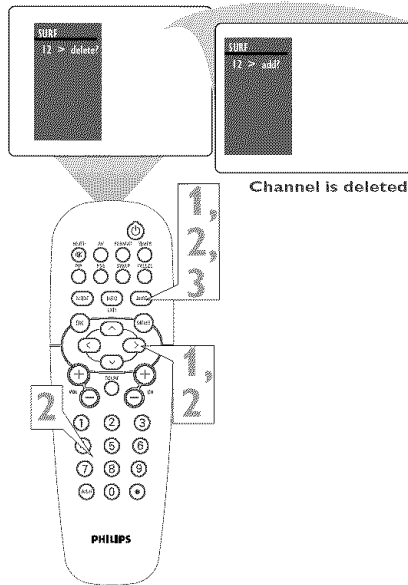
**1** Once you are viewing the channel you want to add to the surf list, press the SURF button. The Surf list box appears. The number of the current channel is shown with ADD? to the right. Press the CURSOR RIGHT button to add the channel to the Surf list. The text should switch from "add?" to "delete?" The text gives the next available action, therefore, when it says "delete?" the channel has been added.

**2** Press the NUMBER buttons, CH(annel) +/- buttons to select another signal source to add to the Surf list. Press the SURF button and then the CURSOR RIGHT button to add the channel to the list.

Repeat this step, filling the list with up to 10 favorite signal sources. **NOTE:** If you exceed 10 channels a warning message will inform you to delete a channel before adding another.

**3** To tune to a favorite signal source from the list, press the SURF button. The Surf list box appears. Press the SURF button or the CURSOR DOWN button or UP as many times as necessary to tune to the channel.

Channel is added.



### HELPFUL HINTS


- To delete a signal source from the list, press the SURF button. The Surf list box appears. Press the SURF button or the CURSOR DOWN button or UP as many times as necessary to select the signal source to be deleted. Then press the CURSOR RIGHT button to delete the signal source. The screen will say "add?" when the channel has been deleted.

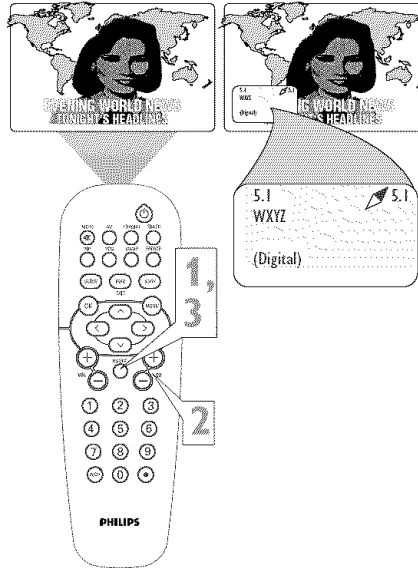
# 3

## ADVANCED REMOTE FEATURES

### USING DSURF

**D** SURF locks the tuner into a “digital only” mode. Like a “Caps Lock” button on a computer keyboard, DSURF limits channel selection to digital channels only.

- 1 Press DSURF.
- 2 Use Channel + or - to select a channel. Only digital channels are available. A small icon, , appears next to the channel to indicate DSURF is activated.
- 3 Press DSURF again to return to normal channel selection and the DSURF icon disappears



# 4

## ADVANCED REMOTE FEATURES

### USING PICTURE-IN-PICTURE (PIP)

The Picture-In-Picture (PIP) feature allows you to display a subscreen within your main screen and watch two video sources at once. Because your set has one tuner, you need to use a VCR as a second tuner for your PIP picture. Tune to your favorite show on the main screen while scanning other AV inputs in the PIP window. See panel 24 to select the PIP source.

- 1 Press the PIP button to turn PIP on.**
- 2 Press the PIP button a second time to make the PIP window smaller.**
- 3 To select a video source to watch in the PIP window, see "Selecting a PIP Source" on panel 24.**
- 4 Press the PIP button a third time to turn PIP off.**

#### MOVING THE PIP SCREEN

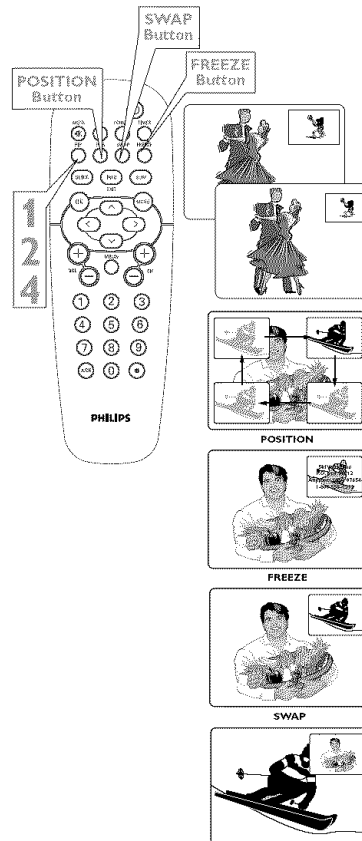
**Press the POS button.** Each time you press this button, the PIP screen moves to another corner of the main screen.

#### FREEZING THE PIP SCREEN

**Press the FREEZE button.** The picture in the PIP screen stands still. Stopping motion allows you to write down onscreen phone numbers or addresses.

#### SWITCHING THE MAIN AND PIP SCREENS

**Press the SWAP button.** The main screen and PIP screen change places.



## USING PICTURE FORMAT CONTROL

Your TV's wide screen (16:9 aspect ratio) delivers a home-cinema experience not possible with a conventional (4:3 aspect ratio) set. High-definition (HD) programs originating in 16:9 format and other widescreen-format video sources appear more lifelike, dramatic, and theatrical. Border bars are diminished or eliminated. Most anamorphic-DVD programs will fill the wide screen without border bars.

#### Selecting a Picture Format Using the Remote Control

Use your TV's picture-format modes with video sources you connect to the ANTENNA, CABLE AVI, AV2, AV3, AV4, AV5, SIDE inputs on the TV. While watching a video source—with no onscreen menu or display present—press the **FORMAT** button once to see the correct mode. Press it again to change to the next mode.

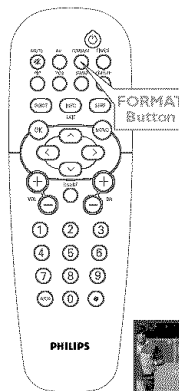
#### Picture-format Modes

**NATIVE (16:9)** is the default for your DTV because HD programs are broadcast in this format. Analog channels are expanded horizontally.

**4:3** shows an analog picture in its original, conventional (4:3 aspect ratio) format.

**ZOOM** expands, or zooms, the picture both vertically and horizontally, eliminating or reducing the size of border bars.

**PANORAMIC** stretches the outer portions of the picture horizontally.



**NATIVE (16:9)**



**4:3**



**ZOOM**



**PANORAMIC**

#### WARNING

To prevent uneven picture-tube aging, do not leave border bars or other stationary images on screen for extended periods of time.

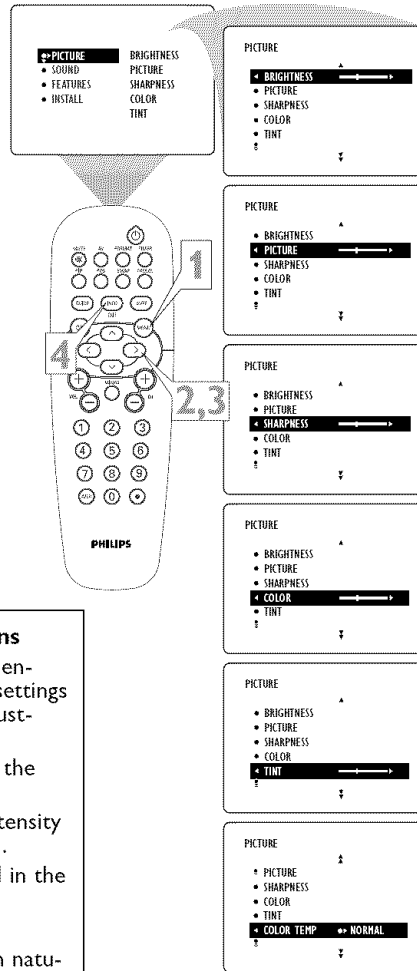
# 6

## ADVANCED MENU FEATURES


### ADJUSTING PICTURE CONTROLS

To adjust your TV picture controls, select a channel and follow these steps. See descriptions of the picture-adjustment options below.

- 1 Press the **MENU** button on the remote control to show the onscreen menu.
- 2 Press the **CURSOR RIGHT** button. BRIGHTNESS will be highlighted and an adjustment bar will be shown to the right.
- 3 Press the **CURSOR RIGHT** button or **LEFT** to adjust the BRIGHTNESS level of the picture. Or press the **CURSOR DOWN** button to select another picture control to adjust.
- 4 Press the **INFO/EXIT** button to exit the menu.



#### Picture-adjustment Options

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

**BRIGHTNESS** raises and lowers the black level of the picture.

**PICTURE** raises or lowers the intensity of the picture (also called contrast).

**SHARPNESS** improves the detail in the picture.

**COLOR** adds or eliminates color.

**TINT** adjusts the picture to obtain natural skin tones.

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

**NORMAL** keeps whites white.

**WARM** makes whites less blue.

**COOL** makes whites more blue.



# 7

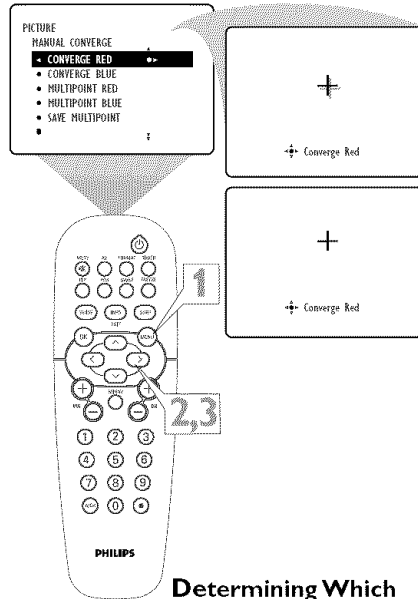
## ADVANCED MENU FEATURES

### ADJUSTING CONVERGENCE: CONVERGE RED/BLUE

Your projection TV has three color projection tubes: one for red, one for green, and one for blue. When mixed in proper proportion, the beams of light coming from the tubes can produce any color. To create a clear picture, however, these color beams must be precisely aligned. This alignment is called **convergence**.

**NOTE:** Allow the TV to warm up for 20 minutes before adjusting convergence.

- 1** Press the **MENU** button to show the onscreen menu. Press the **CURSOR RIGHT** button to enter the PICTURE submenu. Then press the **CURSOR DOWN** button repeatedly until **MANUAL CONVERGE** is highlighted.
- 2** Press the **CURSOR RIGHT** button to enter the **MANUAL CONVERGE** submenu. If you want to adjust the Red Convergence, press the **CURSOR RIGHT** button to enter the adjust mode. To adjust the Blue Convergence, press the **CURSOR DOWN** button to highlight **CONVERGE BLUE**, then press the **CURSOR RIGHT** button to enter adjust mode.
- 3** In adjust mode, press the **CURSOR RIGHT, LEFT, UP, or DOWN** button to adjust the cross hair until the color outline around it is gone. (The adjustment is automatically saved in the TV's memory.) To return to the **MANUAL CONVERGE** menu, press the **MENU** button. To exit the onscreen display, press the **INFO/EXIT** button.



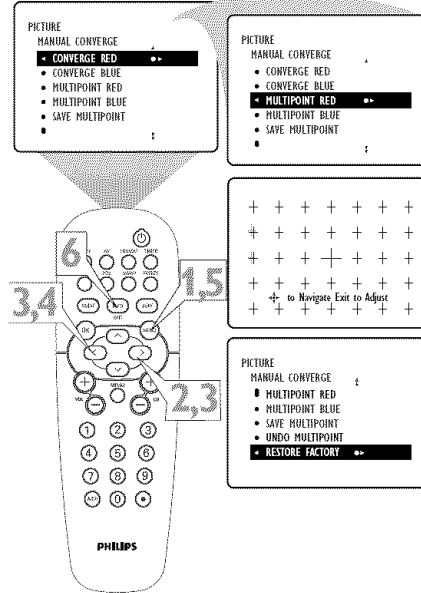
#### Determining Which Manual Convergence Control to Use

Screen appearance	Action
Various images throughout the entire picture have red outlines.	Adjust the <b>CONVERGE RED</b> control. Then if any red outlines remain, adjust the <b>MULTIPOINT RED</b> control.
Various images throughout the entire picture have blue outlines.	Adjust the <b>CONVERGE BLUE</b> control. Then if any blue outlines remain, adjust the <b>MULTIPOINT BLUE</b> control.

## ADJUSTING CONVERGENCE: MULTIPOINT RED/BLUE

The Multipoint Red/Blue Convergence controls allow you to adjust picture convergence at specific points on the TV screen.

- 1 Press the **MENU** button to show the onscreen menu. Press the **CURSOR RIGHT** button to enter the **PICTURE** submenu. Then press the **CURSOR DOWN** button repeatedly until **MANUAL CONVERGE** is highlighted.
- 2 Press the **CURSOR RIGHT** button to enter the **MANUAL CONVERGE** submenu. Press the **CURSOR DOWN** button repeatedly until **MULTIPOINT RED** or **MULTIPOINT BLUE** is highlighted. Then press the **CURSOR LEFT** or **RIGHT** button to enter **Navigate** mode.
- 3 Press the **CURSOR LEFT**, **RIGHT**, **UP**, or **DOWN** button to move to a cross hair that has a color outline. Then press the **INFO/EXIT** button to enter **adjust** mode.
- 4 Press the **CURSOR LEFT**, **RIGHT**, **UP**, or **DOWN** button to adjust the cross hair until the color outline is gone. Then press the **INFO/EXIT** button to return to **NAVIGATE** mode. Repeat steps 3 and 4 until all misaligned cross hairs have been adjusted.
- 5 For your adjustments to be stored in the TV's memory, you must activate **SAVE MULTIPOINT**. To save your multipoint adjustments, press the **MENU** button to return to the **MANUAL CONVERGE** menu. Press the



**CURSOR DOWN** button repeatedly until **SAVE MULTIPOINT** is highlighted. Then press the **CURSOR LEFT** or **RIGHT** button to store your adjustments in the TV's memory.

**To undo the multipoint adjustments you just made**, highlight **UNDO MULTIPOINT** and press the **CURSOR LEFT** or **RIGHT** button.

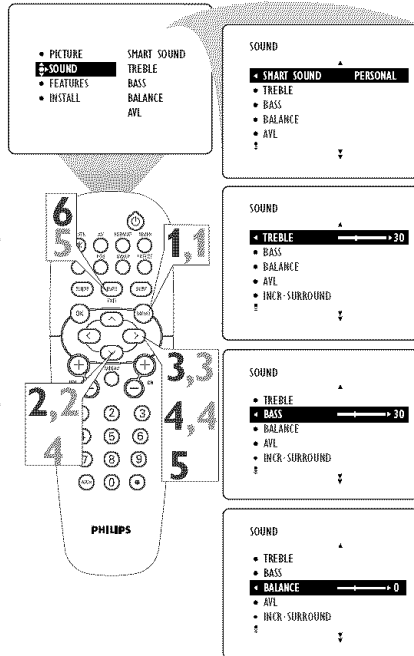
**To restore the TV's convergence to factory settings**, highlight **RESTORE FACTORY** and press the **CURSOR LEFT** or **RIGHT** button.

- 6 Press the **INFO/EXIT** button to exit the menu.

## ADJUSTING THE SOUND CONTROLS, SMART SOUND

Smart Sound allows you to choose preset sound settings.

- 1** Press the **MENU** button on the remote control to show the onscreen menu.
- 2** Press the **CURSOR DOWN** button once to highlight SOUND.
- 3** Press the **CURSOR RIGHT** button to enter the SOUND submenu.
- 4** Press the **CURSOR RIGHT** button to highlight SMART SOUND.
- 5** Press the **CURSOR RIGHT** button to choose personal (based on the Settings below), voice, music, theater.
- 6** Press the **INFO/EXIT** button to exit the menu.



Besides the normal volume level control, your TV also has individual sound-adjustment controls. You can use **TREBLE** (high frequency), **BASS** (low frequency), and **Speaker BALANCE** to further adjust the sound playback of TV programs.

- 1** Press the **MENU** button on the remote control to show the onscreen menu.
- 2** Press the **CURSOR DOWN** button once to highlight SOUND.
- 3** Press the **CURSOR RIGHT** button to enter the SOUND submenu.

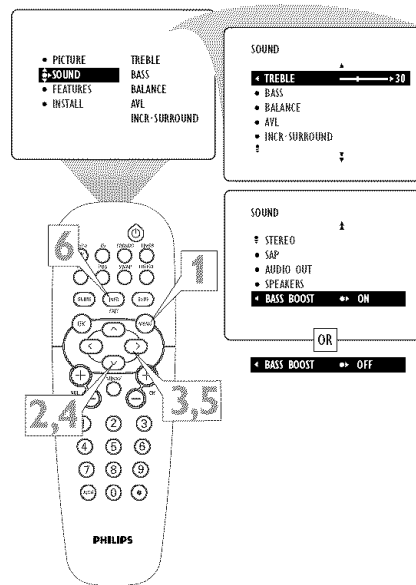
- 4** To adjust the **TREBLE** level of the television's sound, press the **CURSOR RIGHT** button or **LEFT**. To adjust another sound control, press the **CURSOR DOWN** button until the control (**BASS** or **BALANCE**) is highlighted. Then press the **CURSOR RIGHT** button or **LEFT** to adjust the selected control.

- 5** Press the **INFO/EXIT** button to exit the menu.

## USING BASS BOOST CONTROL

The **BASS BOOST** control allows you to increase the low-frequency range of the TV's sound. This creates a deeper, fuller sound. Follow these steps to turn **BASS BOOST ON**.

- 1** Press **MENU** button on the remote control to show the onscreen menu.
- 2** Press the **CURSOR DOWN** button once to highlight **SOUND**.
- 3** Press the **CURSOR RIGHT** button to enter the **SOUND** submenu.
- 4** Press the **CURSOR DOWN** button repeatedly until **BASS BOOST** is highlighted.
- 5** Press the **CURSOR RIGHT** or **LEFT** button to turn **BASS BOOST ON** or **OFF**.
- 6** Press the **INFO/EXIT** button to exit the menu.



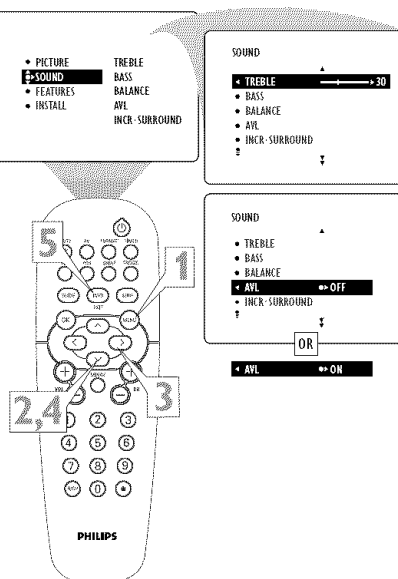


## ADVANCED MENU FEATURES

### USING THE AVL (AUDIO VOLUME LEVELER) CONTROL

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

- 1 Press the MENU button** on the remote control to show the onscreen menu.
- 2 Press the CURSOR DOWN button** once to highlight SOUND.
- 3 Press the CURSOR RIGHT button** to enter the SOUND submenu.
- 4 Press the CURSOR DOWN button** repeatedly until AVL is highlighted. Then press the CURSOR RIGHT button or LEFT to turn AVL ON or OFF.
- 5 Press the INFO/EXIT button** to exit the menu.



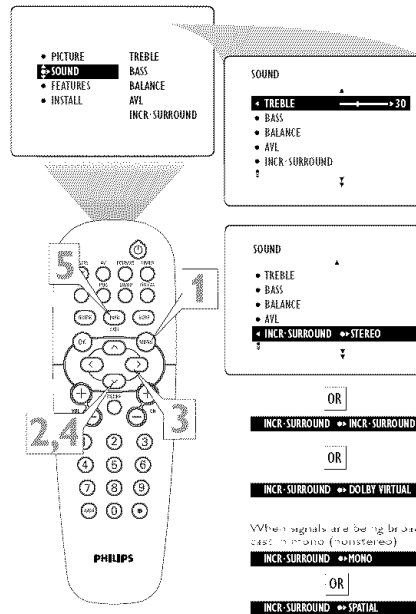
#### HELPFUL HINT

- You may notice a difference between the volume for analog and digital channels. This is normal, but is not something the AVL control can fully address.

## SELECTING THE SURROUND SOUND MODE

Based on the signal being received, you can select various surround-sound modes: MONO, SPATIAL, STEREO, INCR. SURROUND, or DOLBY\* VIRTUAL (Virtual Dolby Surround). See descriptions below.

- 1 Press the **MENU** button on the remote control to show the onscreen menu.
- 2 Press the **CURSOR DOWN** button once to highlight SOUND.
- 3 Press the **CURSOR RIGHT** button to enter the SOUND submenu.
- 4 Press the **CURSOR DOWN** button repeatedly until INCR. SURROUND is highlighted. Then press the **CURSOR RIGHT** or **LEFT** button to select the Surround mode. (See the box to the left for details.)
- 5 Press the **INFO/EXIT** button to exit the menu.



## Surround-sound Modes

**In stereo:** select **STEREO**, **INCR. SURROUND**, or **DOLBY VIRTUAL**.

**INCR. (Incredible) SURROUND** enhances stereo programs by making the sound broader and fuller.

**DOLBY VIRTUAL (with Dolby Surround encoded signals)** creates a virtualized surround-sound experience from two speakers.

**In mono:** select **MONO** or **SPATIAL**.

**SPATIAL** enables you to add a surround effect to mono programs.

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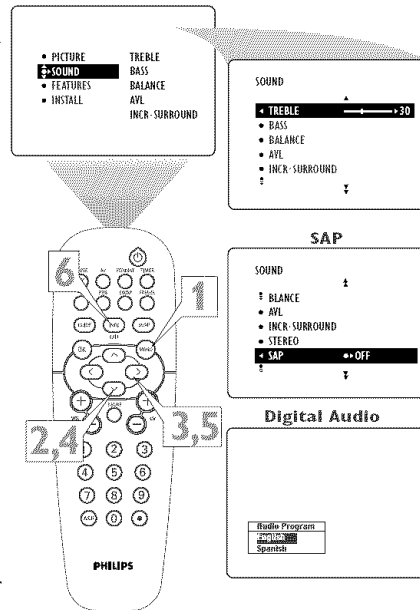
## USING SAP, ALT AUDIO PROGRAM

**S**AP, or Second Audio Program, is an additional 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, such as the broadcast of a second language or other audio information.

If an SAP signal is not present with a selected program, the SAP option cannot be selected.

Alt Audio Program is the digital equivalent of SAP. It functions in nearly the same way.

- 1** Press the **MENU** button on the remote control to show the onscreen menu.
- 2** Press the **CURSOR DOWN** button once to highlight **SOUND**.
- 3** Press the **CURSOR RIGHT** button to enter the **SOUND** submenu.
- 4** Press the **CURSOR DOWN** button repeatedly until the **SAP** control is highlighted.
- 5** Press the **CURSOR RIGHT** or **LEFT** button to select **ON** or **OFF**. When **ON** has been selected, the television will immediately begin reproducing the secondary audio.
- 6** Press the **INFO/EXIT** button to exit the menu.



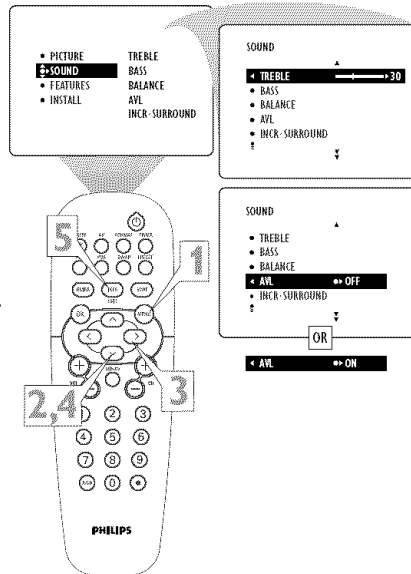
## ADJUSTING AUDIO OUT, DIG OUT, SPEAKERS

If you have connected the TV's AUDIO OUTPUT jacks to the AUDIO INPUT jacks on an external audio system, you can turn off the TV Speakers. Once the TV Speakers are off, you can adjust the Audio Out to either constant or variable output.

- 1 Press the **MENU** button on the remote control to show the onscreen menu.
- 2 Press the **CURSOR DOWN** button once to highlight SOUND.
- 3 Press the **CURSOR RIGHT** button to enter the SOUND submenu.
- 4 Press the **CURSOR DOWN** button repeatedly until AUDIO OUT is highlighted. Then press CURSOR RIGHT or LEFT Button to select Fixed or Variable.
- 5 Press the **MENU** button to go back and **CURSOR DOWN** button to select SPEAKERS. Then press CURSOR RIGHT or LEFT button to select ON or OFF.
- 6 Press the **INFO/EXIT** button to exit the menu.

If you have digital audio equipment connected to the TV, select the type of digital output appropriate for your device.

- 1 From the Sound submenu press the **CURSOR DOWN** button to select DIG AUDIO OUT.
- 2 Press the **CURSOR RIGHT** or **LEFT** button to select PCM or DOLBY DIGITAL.
- 3 Press the **INFO/EXIT** button to exit the menu.



## HELPFUL HINT

- DOLBY DIGITAL can only be selected as a DIG AUDIO OUT when digital signals are broadcasting in Dolby Digital.

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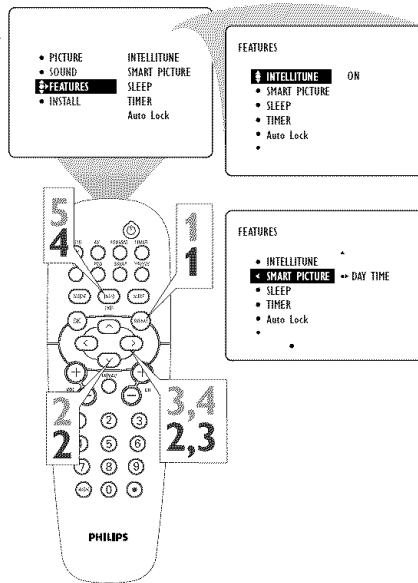
USING INTELLITUNE, SMART PICTURE

Because broadcasters and cable companies are transitioning to Digital TV they may broadcast digital channels at certain times or they may reorganize channels without notice. To make sure you do not miss a channel, Philips has developed Intellitune. When the TV is OFF (standby mode) it will search for previously unprogrammed channels and add them to the channel list. It does this every three hours.

- 1 Press the **MENU** button on the remote control to show the onscreen menu.
- 2 Press the **CURSOR DOWN** button twice to highlight FEATURES.
- 3 Press the **CURSOR RIGHT** button to enter the FEATURES submenu.
- 4 Press the **CURSOR RIGHT** button to turn Intellitune ON or OFF.
- 5 Press the **INFO/EXIT** button to exit the menu.

Smart Picture allows you to choose a preset picture setting for each Antenna, Cable and AV input.

- 1 Press the **MENU** button on the remote control to show the onscreen menu.
- 2 Press the **CURSOR** buttons to navigate to **FEATURES** then **SMART PICTURE**.
- 3 Press the **CURSOR RIGHT** button to select Personal (based on your Picture menu settings), Day Time, Games/Sports, Noisy Signal, or Night Time.
- 4 Press the **INFO/EXIT** button to exit the menu.

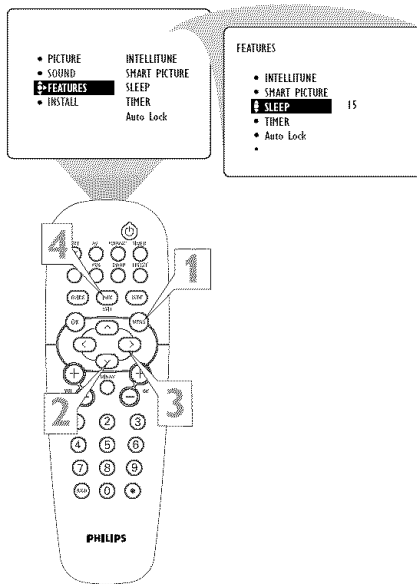


SETTING	PRIMARY DIFFERENCE
Personal	Based on Picture settings
Day Time	Increased brightness
Games/Sports	Saturated Colors
Noisy Signal	Reduced sharpness
Night Time	Decreased brightness

## SLEEP TIMER

The Sleep timer feature allows you to set a timer to automatically switch the TV off after a period of time that you choose—15, 30, 45, 60, 90, 120, 180, or 240 minutes.

- 1 Press the **MENU** button on the remote control to show the onscreen menu.
- 2 Press the **CURSOR** **BUTTONS** to navigate to **FEATURES** then **SLEEP**.
- 3 Press the **CURSOR RIGHT** button to set the sleep timer.
- 4 Press the **INFO/EXIT** button to exit the menu.

**HELPFUL HINT**

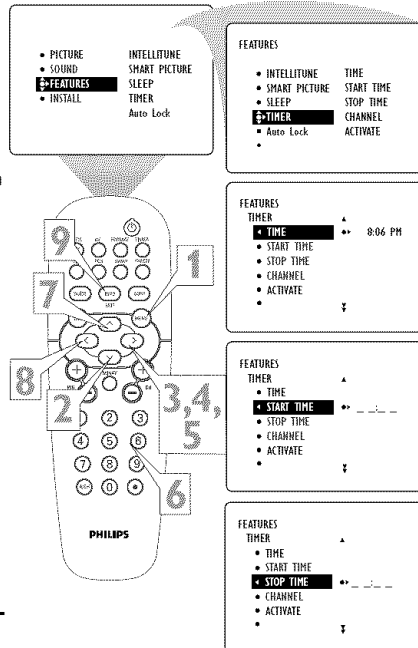
- Press the **INFO** **BUTTON** twice to see the status of the Sleep timer.

## SETTING THE TIMER START/STOP TIME

You can set the Timer to switch to a selected channel at a specific time while you are watching another channel, or when the TV is in standby mode. You can also set the TV to turn off at some time after the TV switches channels.

- 1** Press the **MENU** button on the remote control to show the onscreen menu.
- 2** Press the **CURSOR DOWN** button twice to highlight FEATURES.
- 3** Press the **CURSOR RIGHT** button to enter the FEATURES submenu. Then press the CURSOR DOWN button until TIMER is highlighted.
- 4** Press the **CURSOR RIGHT** button again. Then press the CURSOR DOWN button once to highlight the START TIME control.
- 5** Press the **CURSOR RIGHT** button to highlight the time indicator area.
- 6** Press the **NUMBER** buttons to enter the correct time. If you make a mistake entering the time, use the CURSOR LEFT or RIGHT button to move among the time input slots to make corrections.
 

**NOTE:** You can also use the CURSOR BUTTON UP or DOWN to cycle through digits to input the time.
- 7** Press the **CURSOR UP** or **DOWN** button to select AM or PM.



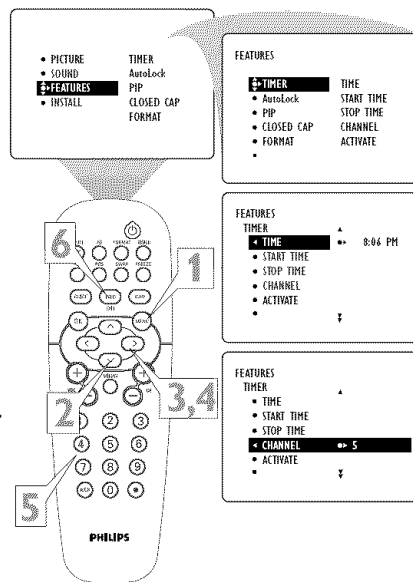
- 8** Press the **CURSOR LEFT** button repeatedly until START TIME is highlighted. Then press the CURSOR DOWN button to highlight STOP TIME. If you want the TV to switch off at some time after the changing of channels, follow steps 5–7 above to set the STOP TIME.
- 9** Press the **INFO/EXIT** button to exit the menu.

See the next two panels for instructions on selecting the Timer's channel and activating the timer.

## SELECTING THE TIMER CHANNEL

Follow these steps to select the channel to which the Timer will switch the TV.

- 1 Press the **MENU** button on the remote control to show the onscreen menu.
- 2 Press the **CURSOR DOWN** button twice to highlight FEATURES.
- 3 Press the **CURSOR RIGHT** button to enter the FEATURES submenu. Then press the CURSOR DOWN button until TIMER is highlighted.
- 4 Press the **CURSOR RIGHT** button. Then press the CURSOR DOWN button repeatedly until the CHANNEL control is highlighted.
- 5 Press the **NUMBER** buttons to enter the desired start-up channel. Or press the CURSOR RIGHT button repeatedly to enter the start-up channel you want.
- 6 Press the **INFO/EXIT** button to exit the menu.

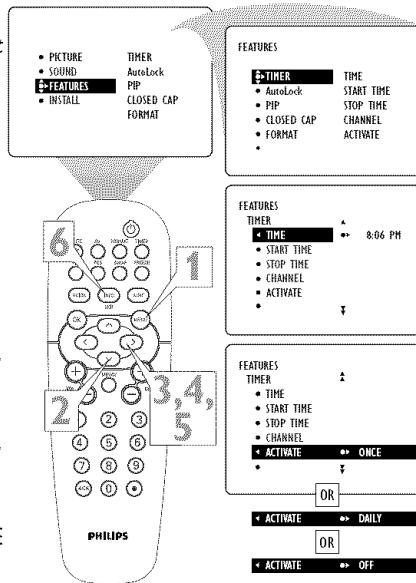


**NOTE:** Before the Timer will work, you must activate it. See the next panel.

## SETTING THE TIMER ACTIVATE CONTROL

After you have set the **TIME**, **START TIME**, **STOP TIME**, and **CHANNEL**, you must activate the Timer for it to operate. Your options are to set the Timer to work **ONCE** or **DAILY**. Set **ACTIVATE** to **OFF** if you don't want to use the Timer.

- 1** Press the **MENU** button on the remote control to show the onscreen menu.
- 2** Press the **CURSOR DOWN** button twice to highlight **FEATURES**.
- 3** Press the **CURSOR RIGHT** button to enter the **FEATURES** submenu.
- 4** Press the **CURSOR RIGHT** button again. Then press the **CURSOR DOWN** button repeatedly until the **ACTIVATE** control is highlighted.
- 5** Press the **CURSOR RIGHT** button to cycle through the options and make your selection. The options are **ONCE**, **DAILY**, or **OFF**.
- 6** Press the **INFO/EXIT** button to exit the menu.

**HELPFUL HINT**

- Changing the channel or adjusting the volume during the last minute of a Timer setting will cancel it and the TV will not shut off.
- Thirty seconds before the set changes to the channel you set, an announcement appears on screen.



## UNDERSTANDING AUTOLOCK CONTROLS

The AutoLock™ feature is an integrated circuit that receives and processes data sent by broadcasters, or other program providers, that contain program content advisories. When programmed by the viewer, a TV with AutoLock™ can respond to the content advisories and block program content that may be found objectionable (such as offensive language, violence, sexual situations, etc.). This is a great feature to censor the type of viewing children may watch.

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

**Access Code** - An Access Code must be set to prevent children from unblocking questionable or censored programming set by their parents.

**Channel Block** - After an access code has been programmed, you can block individual channels.

**Block All** - Allows you to block ALL channels at one time.

**Movie Ratings** - Certain blocking options exist which will block programming based on ratings patterned by the Motion Pictures Association of America.

**TV Ratings** - Just like the Movie Ratings, programs can be blocked from viewing using standard TV ratings set by TV broadcasters.

#### **MOVIE RATINGS**

**G: General Audience** - All ages admitted. Most parents would find this program suitable for all ages.

**PG: Parental Guidance Suggested** - This programming contains material that parents may find unsuitable for younger children.

**PG-13: Parents Strongly Cautioned** - This programming contains material that parents may find unsuitable for children under the age of 13.

#### **MOVIE RATINGS Continued**

**R: Restricted** - This is programming specifically designed for adults. Anyone under the age of 17 should only view this programming with an accompanying parent or adult guardian.

**NC-17: No one under the age of 17 will be admitted.** - This type of programming should be viewed by adults only.

**X: Adults Only** - This type of programming contains one or more of the following: very graphic violence, very graphic and explicit or indecent sexual acts, very coarse and intensely suggestive language.

#### **TV RATINGS**

**TV-Y** -- Designed for a very young audience, including children ages 2-6.

**TV-Y7** -- It may be appropriate for children age 7 and above who have acquired the development skills needed to distinguish between make-believe and reality.

**TV-G** -- Suitable for most audiences, this type of programming contains little or no violence, no strong language, and little or no sexual dialogue or situations.

**TV-PG** -- This program contains material that parents may find unsuitable for younger children. Could contain Moderate violence (V), some sexual situations (S), infrequent coarse language (L), or some suggestive dialogue (D).

**TV-14** -- This program contains some material that many parents would find unsuitable for children under 14 years of age. This type of programming contains one or more of the following: intense violence (V), intense sexual situations (S), strong coarse language (L), or intensely suggestive dialogue (D).

**TV-MA** -- This program is specifically designed to be viewed by adults and therefore may be unsuitable for children under 17. This type of programming contains one or more of the following: graphic violence (V), explicit sexual situations (S), or crude indecent language (L).

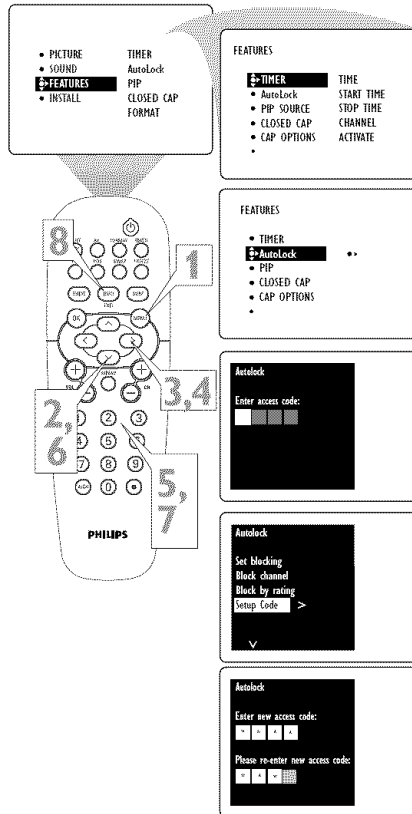
## SETTING UP THE AUTOLOCK™ ACCESS CODE

Your AutoLock™ access code allows you to enter the AutoLock™ sub-menus to set up or turn off blocking. Your access code is also the “key” that unlocks programs or channels that are being blocked by AutoLock™.

- 1** Press the **MENU** button on the remote control to show the onscreen menu.
- 2** Press the **CURSOR DOWN** button twice to highlight FEATURES.
- 3** Press the **CURSOR RIGHT** button. Then press the **CURSOR DOWN** button once to highlight the AutoLock control.
- 4** Press the **CURSOR RIGHT** button to activate the AutoLock menu.
- 5** Press **0,0,0,0** on the remote control. The AutoLock menu will appear.
- 6** Press the **CURSOR DOWN** button three times, then the **CURSOR RIGHT** button to open the New Code screen.
- 7** Enter your new four-digit code twice.
- 8** Press the **INFO/EXIT** button exit the menu.
- 9** Use these steps to reset your code if you lose it. Instead of **0000** in step 5, use **0711**. This is the reset code.

Record your personal code below:

\_\_\_\_\_



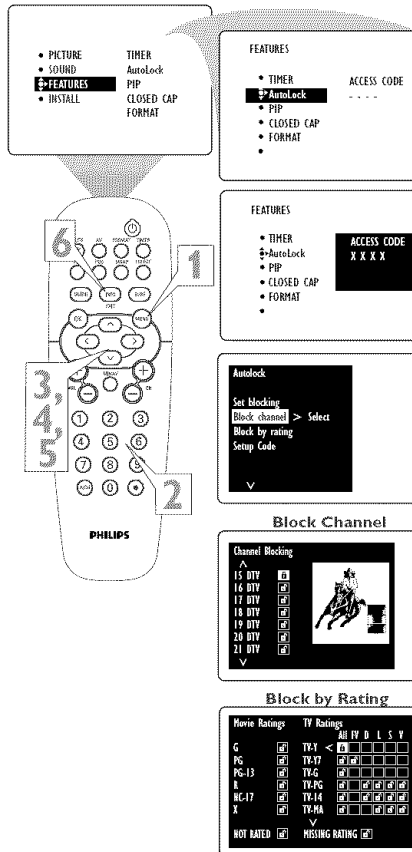
## HELPFUL HINTS

- If you discover that your access code has been changed, you can assume that blocked channels may have been viewed.
- For the AutoLock to work with digital channels, the AutoChron must be set. See panel 29.

## USING THE AUTOLOCK TO BLOCK PROGRAMS

You can use AutoLock to block programs based on TV ratings, movie ratings, as well as programs which have no rating or are unrated.

- 1 Press the **MENU** button on the remote control to show the onscreen menu. Then use the cursor buttons to navigate to **AUTOLOCK** in the **FEATURES** menu.
- 2 Enter your four-digit **ACCESS CODE**.
- 3 Press the **CURSOR DOWN** button to select **Block Channel** or **Block by rating**,
- 4 **Block Channel**
  - a) Press the **CURSOR RIGHT** button to enter the **BLOCK CHANNEL** submenu.
  - b) Press the **CURSOR UP** or **DOWN** button to select a channel to block. Press **OK** to change unlocked to locked, or locked to unlocked.
- 5 **Block by Rating**
  - a) Press the **CURSOR DOWN** button, then the **CURSOR RIGHT** button to enter the **BLOCK BY RATING** submenu.
  - b) Press the **CURSOR** Buttons to select a rating or subrating to block. Press **OK** to change unlocked to locked, or locked to unlocked.
- 6 Press the **INFO/EXIT** button to exit the menu.

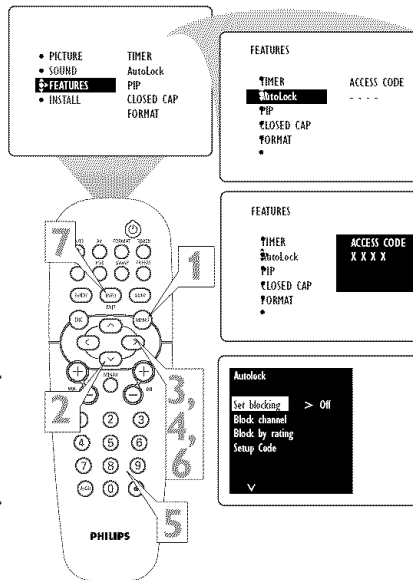




## TURNING THE AUTOLOCK BLOCKING ON OR OFF

The SET BLOCKING control can be thought of as the “master switch” for AutoLock™. Use it to turn ON or OFF all of the settings (based on ratings). This control does not affect channel blocks.

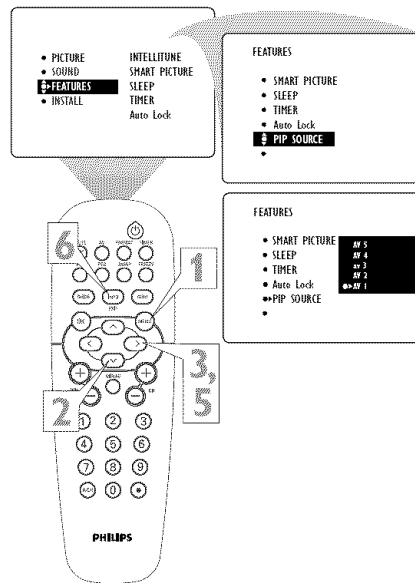
- 1 Press the **MENU** button on the remote control to show the onscreen menu.
- 2 Press the **CURSOR DOWN** button twice to highlight FEATURES.
- 3 Press the **CURSOR RIGHT** button. Then press the **CURSOR DOWN** button until the AutoLock control highlighted.
- 4 Press the **CURSOR RIGHT** button again to highlight ACCESS CODE.
- 5 Enter your four-digit ACCESS CODE.
- 6 Press the **CURSOR RIGHT** button to turn BLOCKING ON or OFF.
- 7 Press the **INFO/EXIT** button to exit the menu.



## ADJUSTING PIP SOURCE

*Before using the PIP you need to select a source for it to display.*

- 1** Press the **MENU** button on the remote control to show the onscreen menu.
- 2** Press the **CURSOR DOWN** button twice to highlight FEATURES.
- 3** Press the **CURSOR RIGHT** button to enter the FEATURES submenu.
- 4** Press the **CURSOR DOWN** button repeatedly until the PIP SOURCE control is highlighted.
- 5** Press the **CURSOR RIGHT** button to enter the PIP SOURCE submenu. Then press the **CURSOR UP** or **DOWN** button to select the PIP SOURCE.
- 6** Press the **INFO/EXIT** button to exit the menu.



## USING CLOSED CAPTIONING

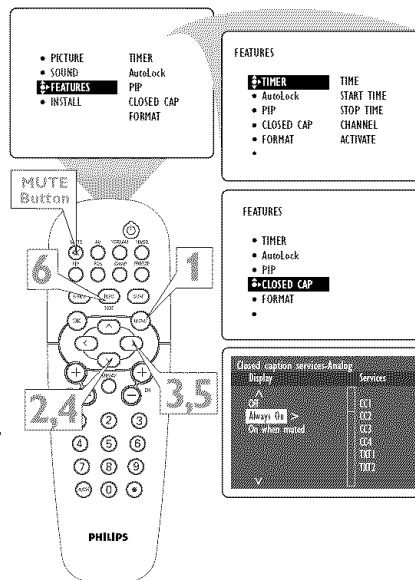
**C**losed Captioning (CC) allows you to read the voice content of television programs on the TV screen. Closed Captioning is only available when the broadcaster supplies it. Even when the broadcaster supports Closed Captioning, it will not be available during all programs (most commercials are not closed captioned).

- 1** Press the **MENU** button on the remote control to show the onscreen menu.
- 2** Press the **CURSOR DOWN** button twice to highlight FEATURES.
- 3** Press the **CURSOR RIGHT** button to enter the FEATURES submenu.
- 4** Press the **CURSOR DOWN** button repeatedly until the Closed Caption control is highlighted.
- 5** Press the **CURSOR RIGHT** button. The CLOSED CAPTION menu appears.
- 6** Press the **CURSOR UP** or **DOWN** button to select a CAPTION MODE.

Select the Closed Caption setting:

- Off
- Always On
- On when muted

**NOTE:** The "On When Muted" option turns the Closed Captioning on whenever the MUTE button on the remote control is pushed.



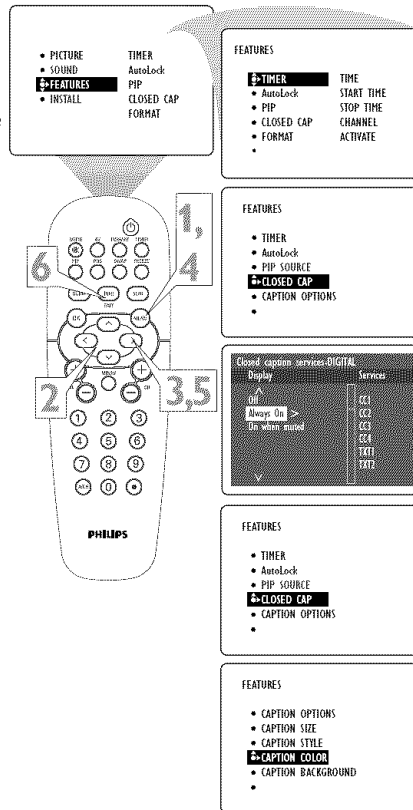
- 7** Press the **CURSOR** **BUTTONS** to select the Closed Caption service.

- 8** Press the **INFO/EXIT** button to exit the menu.

## USING DIGITAL CAPTIONING

**C**losed Captioning (CC) allows you to read the voice content of television programs on the TV screen. Closed Captioning is only available when the broadcaster supplies it. Even when the broadcaster supports Closed Captioning, it will not be available during all programs (most commercials are not closed captioned).

- 1** Press the **MENU** button on the remote control to show the onscreen menu.
- 2** Press the **CURSOR BUTTONS** to navigate to **FEATURES**, then **CLOSED CAPTION**.
- 3** Press the **CURSOR RIGHT** button. The **CLOSED CAPTION** menu appears. Select the caption mode and caption service you would like.
- 4** Press the **MENU** Button to back up and select **CAPTION OPTIONS**. To personalize your captions Press the **Cursor Right** button to turn the options on.
- 5** In the **FEATURES** **MENU**, the **Caption options** are listed below **CAPTION OPTIONS** after it has been turned on.  
The options are **CAPTION SIZE**, **CAPTION STYLE**, **CAPTION COLOR**, and **CC BACKGROUND**. Use the **Cursor Buttons** to make your selections and follow the onscreen instructions.
- 6** Press the **INFO/EXIT** button to exit the menu.

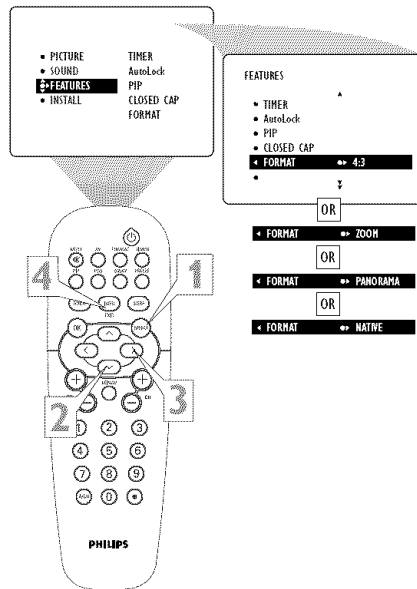
**HELPFUL HINTS**

- The Digital Captioning options are only available on a digital channel carrying the captioning information.

## USING THE PICTURE-FORMAT CONTROL

You can also use the onscreen menu to access the Picture Format control.

- 1 Press the **MENU** button on the remote control to show the onscreen menu.
- 2 Press the **CURSOR** **BUTTONS** to navigate to **FEATURES**, then **SCREEN FORMAT**.
- 3 Press the **CURSOR** **RIGHT** button. Then press the **CURSOR** **RIGHT** or **LEFT** buttons to select the **PICTURE** **FORMAT**.
- 4 Press the **INFO/EXIT** button to exit the menu.

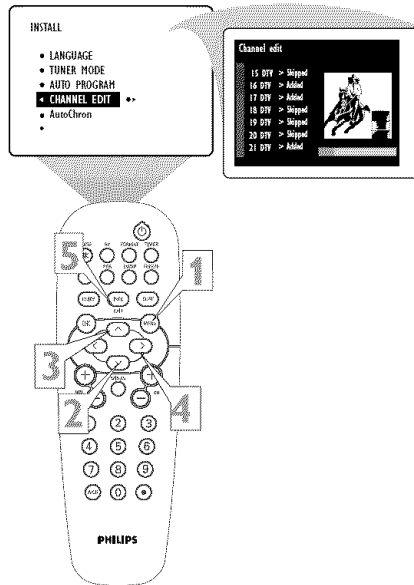
**HELPFUL HINTS**

- See panel 5 “USING PICTURE FORMAT CONTROL” for more information of Screen Formats.

## CHANNEL EDIT

*This feature allows you to edit or skip channels from the channel list that have bad or weak signals or channels you do not want to watch.*

- 1 Press the MENU button.**  
The onscreen menu appears. Then press the CURSOR DOWN button repeatedly until INSTALL is highlighted. Press the CURSOR RIGHT button to enter the INSTALL submenu.
- 2 Press the CURSOR DOWN BUTTON** repeatedly until CHANNEL EDIT is highlighted. Then press the CURSOR RIGHT or LEFT button to access the CHANNEL EDIT list.
- 3 Press the CURSOR UP or DOWN BUTTON** to scroll through the list of channels.
- 4 With the channel you want to edit selected, press the CURSOR RIGHT button** to mark the channel as SKIPPED. (Channels you mark SKIPPED will not appear when you use the CH[annel] +/- buttons to change channels while watching TV.)
- 5 Press the INFO/EXIT button** to exit the menu.



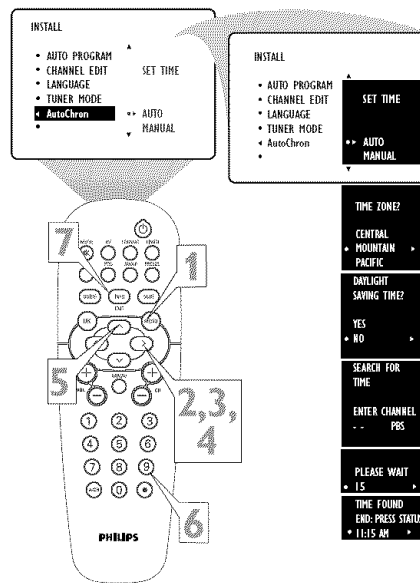
## HELPFUL HINTS

- When you want to add a channel that has been marked SKIPPED, press the CURSOR BUTTON UP or DOWN to highlight the channel. Then press the CURSOR RIGHT button to change SKIPPED to ADDED.

## USING AUTOCHRON

Follow the steps below to set AutoChron™ to download the time from your PBS station to your TV. After successful setup, AutoChron™ will automatically maintain the correct time using your PBS station until you set the time using the AutoChron™ MANUAL option (see panel 30).

- 1 Press the MENU button.**  
The onscreen menu appears. Then press the CURSOR DOWN button repeatedly until INSTALL is highlighted.
- 2 Press the CURSOR RIGHT button to enter the INSTALL submenu.**  
Then press the CURSOR DOWN button repeatedly until AutoChron is highlighted.
- 3 Press the CURSOR RIGHT button** to enter the AutoChron SET TIME area.
- 4 Press the CURSOR RIGHT button again** to select AUTO. Within a few seconds, a menu containing the time-zone options appears.
- 5 Press the CURSOR BUTTON UP or DOWN** to highlight your correct time zone and Daylight Savings Time option.
- 6 Press the number buttons** on your remote to enter the channel number for your PBS station (02, 15, or 121, for example). Wait until the TV completes its search.
- 7 Press the INFO/EXIT button** to exit the menu.

**HELPFUL HINTS**

- If the time was not found, you will need to locate the correct channel number for your PBS station and input that number.
- AutoChron must be set for the AutoLock to work on digital channels.

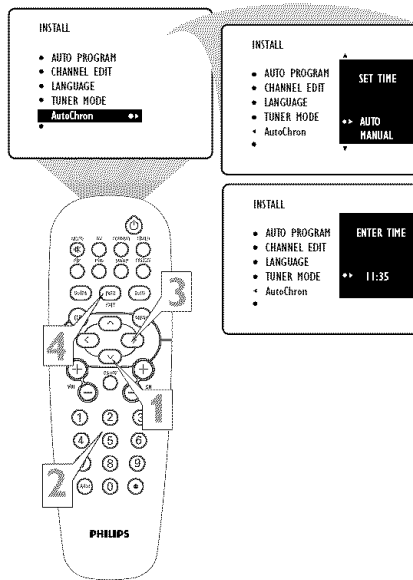
## SETTING TIME MANUALLY

In addition to using the AUTOCHRON setting, you can set the time manually.

- 1 Follow steps 1–3 in the section “Setting Time Automatically” above, then press the **CURSOR DOWN** button to highlight MANUAL and **CURSOR RIGHT** button to enter the MANUAL time input area.
- 2 Use the number buttons on your remote control to input the first digit for the time. You can also press the **CURSOR BUTTON UP** or **DOWN** to select a digit. Press the **CURSOR RIGHT** button to move to the next digit input slot and input the time.

If you should need to change a number you have input, you can press the **CURSOR LEFT** or **RIGHT** button to the digit input slot to make the correction.

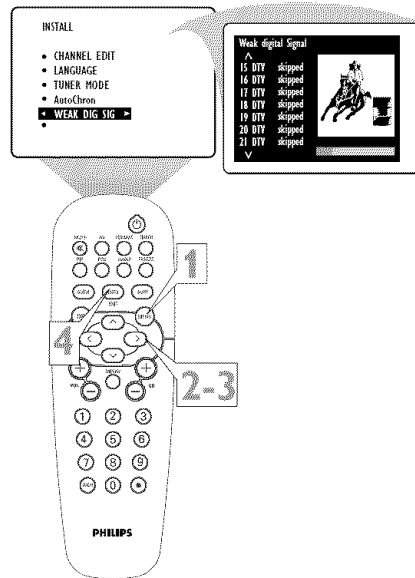
- 3 After you have input the time, press the **CURSOR RIGHT** button to enter the AM/PM area. Then press the **CURSOR UP** or **DOWN** button to select AM or PM.
- 4 Press the **INFO/EXIT** button to exit the menu.





**B**ecause Digital broadcasting is still new it is not uncommon for a broadcaster to only send out a digital signal for part of a day. You could also be on the limit of the signal strength and the reception comes and goes. If you program your channels when the signal is not being sent or is weak it will not be saved in your channel set up. However, using the WEAK DIG SIGNAL feature you can add those channels with weak signals to your channel list.

- 1 Press the MENU button.**  
The onscreen menu appears. Then press the CURSOR DOWN button repeatedly until INSTALL is highlighted.
- 2 Press the CURSOR RIGHT button to enter the INSTALL submenu.**  
Then press the CURSOR DOWN button repeatedly until WEAK DIG SIG is selected. Press CURSOR RIGHT button to enter the weak digital signal menu.
- 3 Press the CURSOR LEFT, RIGHT, UP, or DOWN button to select a channel to add or skip.**
- 4 Press the INFO/EXIT button to exit the menu.**



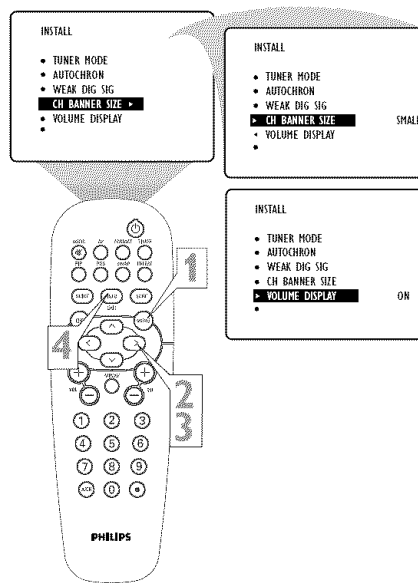
### HELPFUL HINTS

- For the purposes of tuning, your DTV treats scrambled digital channels like weak signals regardless of actual signal strength.

## CHANNEL AND VOLUME DISPLAY OPTIONS

Use **CH BANNER SIZE** and **VOLUME DISPLAY** to set the size of these displays on the screen.

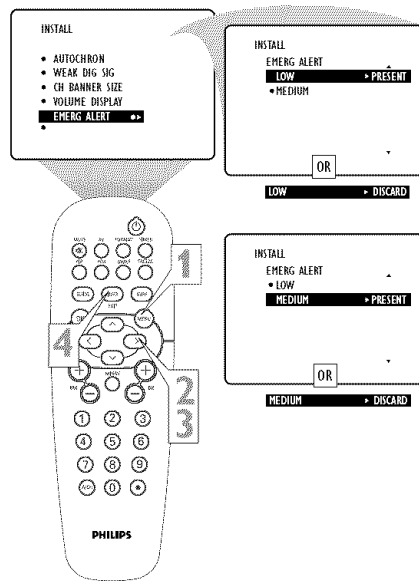
- 1 Press the **MENU** button. The onscreen menu appears. Then press the **CURSOR DOWN** button repeatedly until **INSTALL** is highlighted.
- 2 Press the **CURSOR RIGHT** button to enter the **INSTALL** submenu. Then press the **CURSOR DOWN** button repeatedly until **CH BANNER SIZE** or **VOLUME DISPLAY** are selected.
- 3 Press the **CURSOR RIGHT** button to choose a **BANNER SIZE** or turn the **VOLUME DISPLAY** on or off.
- 4 Press the **INFO/EXIT** button to exit the menu.



## EMERGENCY ALERT SETTING (DIGITAL ONLY)

You can select the level of Emergency Alert you would like to see.

- 1 **Press the MENU button.**  
The onscreen menu appears. Then press the CURSOR DOWN button repeatedly until INSTALL is highlighted.
- 2 **Press the CURSOR RIGHT button to enter the INSTALL submenu.**  
Then press the CURSOR DOWN button repeatedly until EMERG ALERT is highlighted.
- 3 **Press the CURSOR RIGHT button to enter the EMERG ALERT submenu.**  
Then press the CURSOR UP or DOWN button to select the level of alert you want to have presented or discarded. Then press the CURSOR RIGHT button to select PRESENT or DISCARD.
- 4 **Press the INFO/EXIT button to exit the menu.**

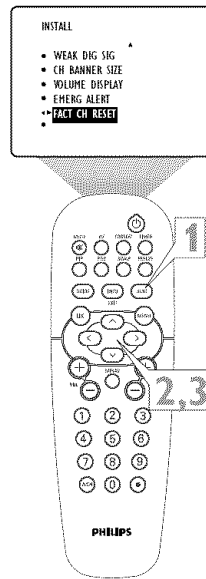
**HELPFUL HINTS**

- High Alert levels are always presented.

## FACT CH RESET

The Factory Channel reset option is available in case you move or change cable providers and need to start your channel list all over from scratch. **Only use it if you absolutely must because you will lose all of your channel programming.**

- 1 Press the MENU button.**  
The onscreen menu appears. Then press the CURSOR DOWN button repeatedly until INSTALL is highlighted.
- 2 Press the CURSOR RIGHT button to enter the INSTALL submenu.**  
Then press the CURSOR DOWN button repeatedly until FACT CH RESET is highlighted.
- 3 Press the CURSOR RIGHT button to enter the FACT CH RESET Submenu.**  
Follow the onscreen menu. Press 1 to continue and 0 to reset.

**HELPFUL HINTS**

- After you have reset the channels you will need to re-autoprogram the TV before you can watch it. See page 12 in the Set-up and Basic Guide to start autoprogramming.