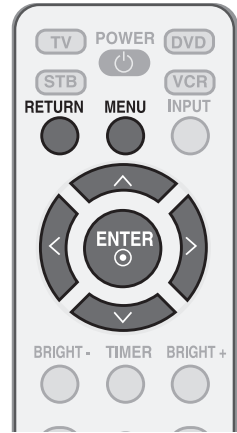


ADVANCED - BLACK (DARKNESS) LEVEL

Adjusting the contrast and the brightness of the screen using the black level of the screen.

This feature operates only in AV 1, AV 2, HDMI1, HDMI2 or HDMI3 mode.



1 Press the **MENU** button and then use \wedge or \vee button to select the **PICTURE** menu.

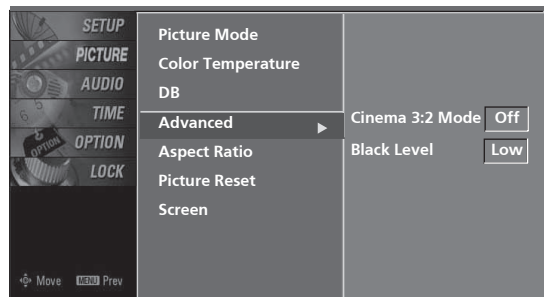
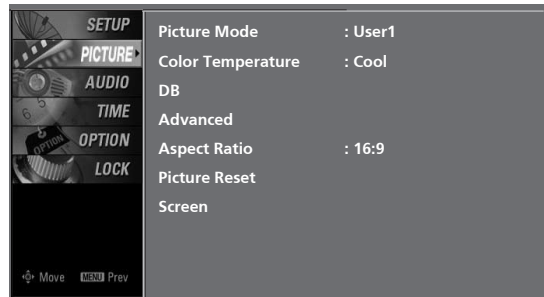
2 Press the $\>$ button and then use \wedge or \vee button to select **Advanced**.

3 Press the $\>$ button and then use \wedge or \vee button to select **Black Level**.

4 Use \lt or \gt button to select **Low** or **High**.

- **Low**
The screen gets darker.
- **High**
The screen gets brighter.

5 Press **RETURN** button to return to TV viewing or press **MENU** button to return to the previous menu.

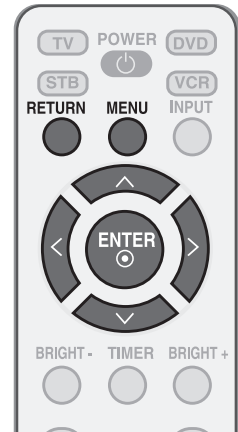


2 3 4

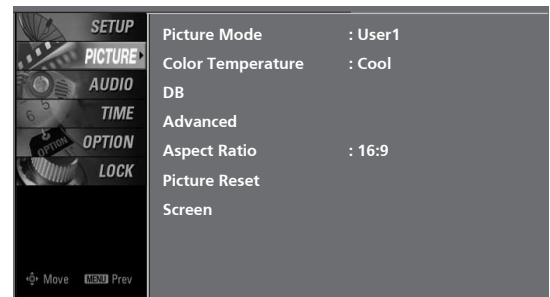
PICTURE CONTROL

PICTURE RESET

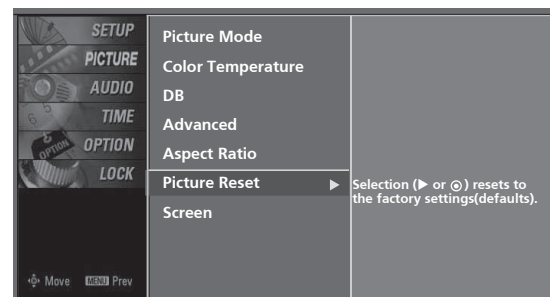
Use to quickly reset all the Picture menu options to their original factory preset values.



- 1 Press the **MENU** button and then use \wedge or \vee button to select the **PICTURE** menu.
- 2 Press the $\>$ button and then use \wedge or \vee button to select **Picture Reset**.
- 3 Press the $\>$ button to reset the **PICTURE** menu options to original values.



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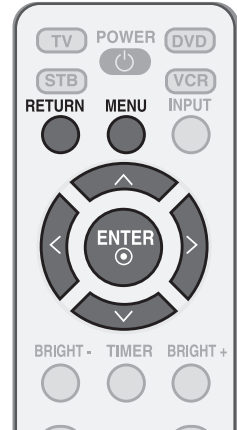


2 3

SOUND & LANGUAGE CONTROL

AUTO VOLUME LEVELER (AUTO VOLUME)

Auto Volume makes sure that the volume level remains consistent whether you are watching a commercial or a regular TV program.

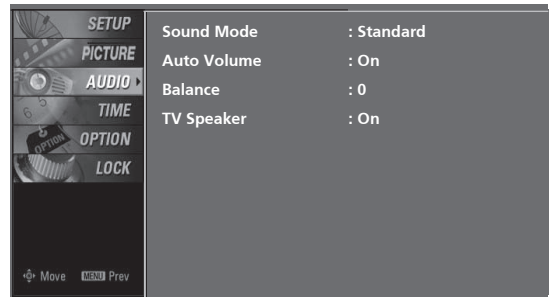


1 Press the **MENU** button and then use **^** or **∨** button to select the **AUDIO** menu.

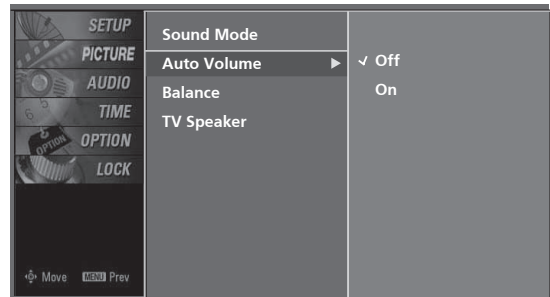
2 Press the **>** button and then use **^** or **∨** button to select **Auto Volume**.

3 Press the **>** button and then use **^** or **∨** button to select **On** or **Off**.

4 Press **RETURN** button to return to TV viewing or press **MENU** button to return to the previous menu.



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2 3

SOUND & LANGUAGE CONTROL

PRESET SOUND SETTINGS (SOUND MODE)

Sound Mode lets you enjoy the best sound without any special adjustment because the TV sets the appropriate sound options based on the program content.

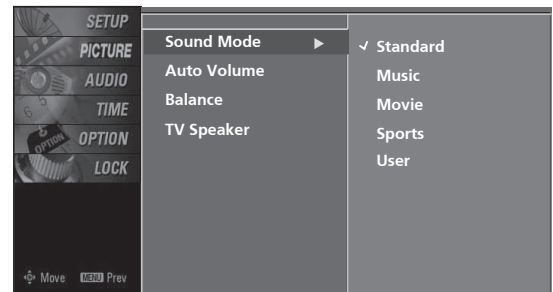
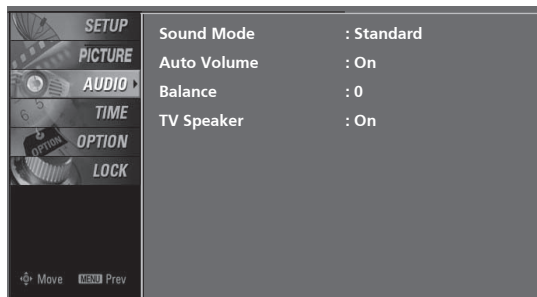
Standard, Music, Movie, and Sports are preset for good sound quality at the factory and are not adjustable.



1 Press the **SOUND** button repeatedly to select the appropriate sound setup as below:
Standard, Music, Movie, Sports, and User (your own settings).

2 Press **RETURN** button to return to TV viewing.

■ You can also adjust **Sound Mode** in the **AUDIO** menu.



SOUND SETTING ADJUSTMENT - USER MODE

Adjust the sound to suit your taste and room situations.

- 1 Press the **MENU** button and then use \wedge or \vee button to select the **AUDIO** menu.
- 2 Press the $\>$ button and then use \wedge or \vee button to select **Sound Mode**.
- 3 Press the $\>$ button and then use \wedge or \vee button to select **User**.
- 4 Press the $\>$ button and then use \wedge or \vee button to select the desired sound option (**Treble**, **Bass**, or **Front Surround**).
- 5 Press the $\>$ button and then use \lt or \gt button to make appropriate adjustments.

Selecting the Front Surround

Press the $\>$ button and then use \lt or \gt button to select **Off**, **3D EchoSound System** or **SRS** (Sound Retrieval System) **TruSurround XT**.

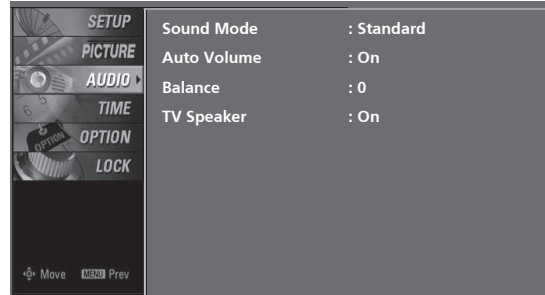
- 6 Press **RETURN** button to return to TV viewing or press **MENU** button to return to the previous menu.

SRS TruSurround XT

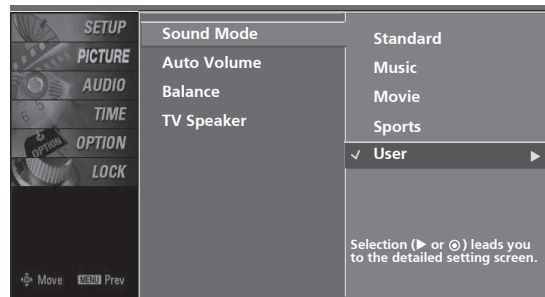
Takes advantage of any multi-channel format without needing to add extra speakers or equipment. Dialog clarity, bass enrichment, and the addition of stereo audio enhancement produces an immersive sound experience from standard stereo material.

3D EchoSound System

Creates a stunning simulated stereo effect from any mono sound and a realistic three-dimensional sound with a very wide and deep sound stage.



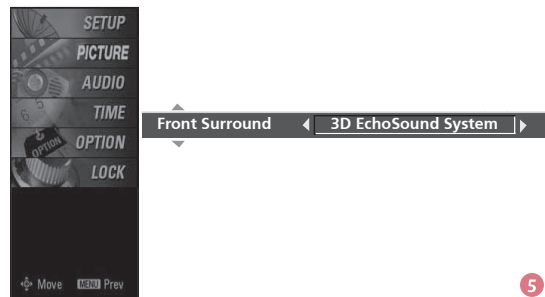
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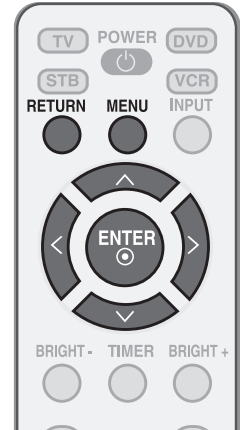


5

SOUND & LANGUAGE CONTROL

BALANCE

Adjust the left/right sound of speaker to suit your taste and room situations.

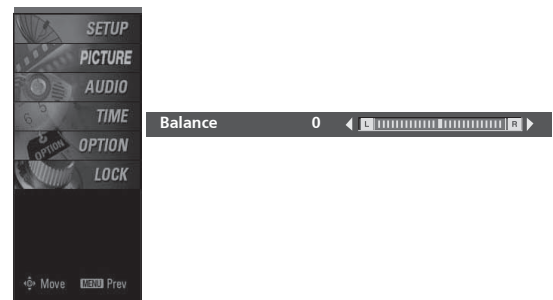
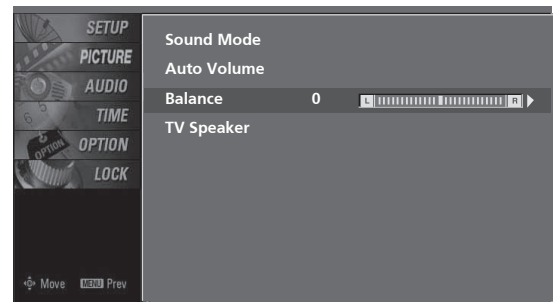
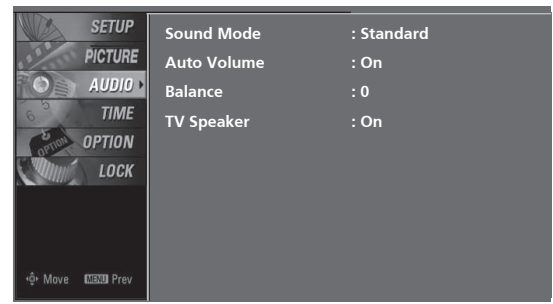


1 Press the **MENU** button and then use **^** or **∨** button to select the **AUDIO** menu.

2 Press the **>** button and then use **^** or **∨** button to select **Balance**.

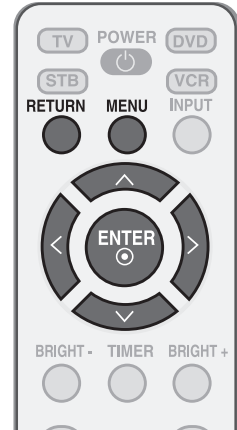
3 Press the **>** button and then use **<** or **>** button to make appropriate adjustments.

4 Press **RETURN** button to return to TV viewing or press **MENU** button to return to the previous menu.



TV SPEAKERS ON/OFF SETUP

Turn the TV speakers off if using external audio equipment.

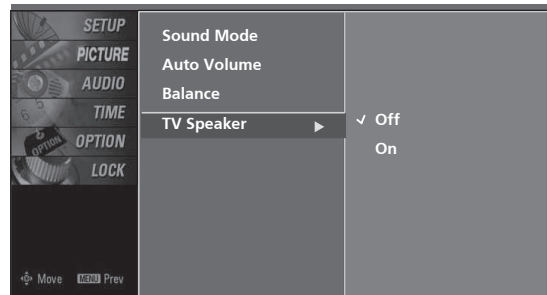
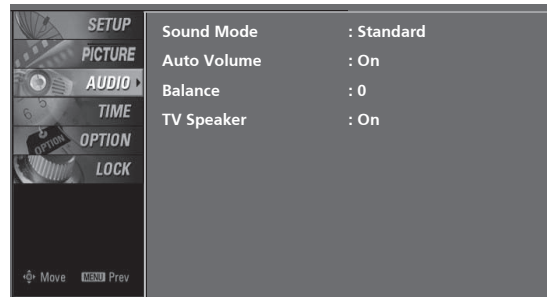


1 Press the **MENU** button and then use \wedge or \vee button to select the **AUDIO** menu.

2 Press the $\>$ button and then use \wedge or \vee button to select **TV Speaker**.

3 Press the $\>$ button and then use \wedge or \vee button to select **On** or **Off**.

4 Press **RETURN** button to return to TV viewing or press **MENU** button to return to the previous menu.



SOUND & LANGUAGE CONTROL

STEREO/SAP BROADCASTS SETUP

For Analog only: This TV can receive MTS stereo programs and any SAP (Secondary Audio Program) that accompanies the stereo program if the station transmits an additional sound signal. Mono sound is automatically used if the broadcast is only in Mono.



1 Use the **SAP** button to select your desired MTS mode in analog signal. Each time you press the **SAP** button, **Mono**, **Stereo**, or **SAP** appear in turn.

- If other languages available on the digital signal, select them with the **SAP** button.

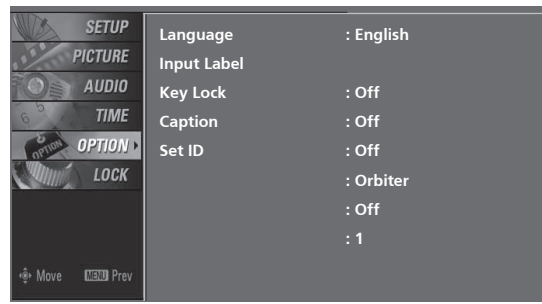
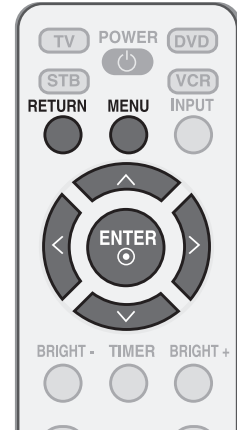
2 Press **RETURN** button to save and return to TV viewing.

AUDIO LANGUAGE

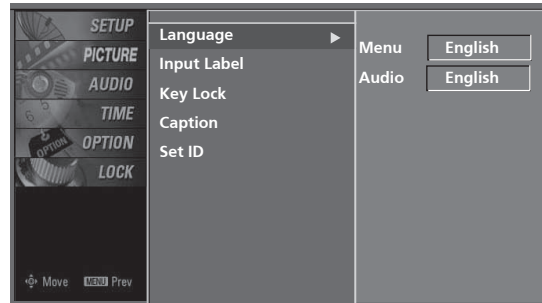
Other languages may be available if a digital signal is provided by the broadcasting station.

This feature operates only in DTV/CADTV mode.

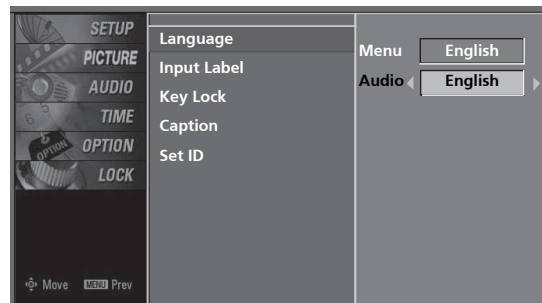
- 1 Press the **MENU** button and then use \wedge or \vee button to select the **OPTION** menu.
- 2 Press the $\>$ button and then use \wedge or \vee button to select **Language**.
- 3 Press the $\>$ button and then use \wedge or \vee button to select **Audio**.
- 4 Use \leftarrow or \rightarrow button to select: **English, Spanish, or French**.
- 5 Press **RETURN** button to return to TV viewing or press **MENU** button to return to the previous menu.



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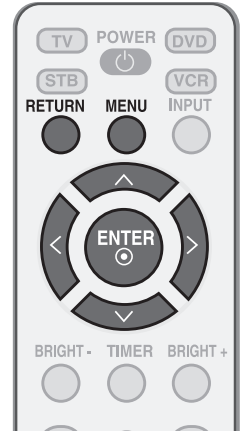


4

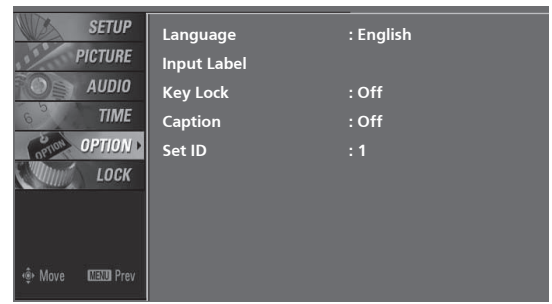
SOUND & LANGUAGE CONTROL

ON-SCREEN MENUS LANGUAGE SELECTION

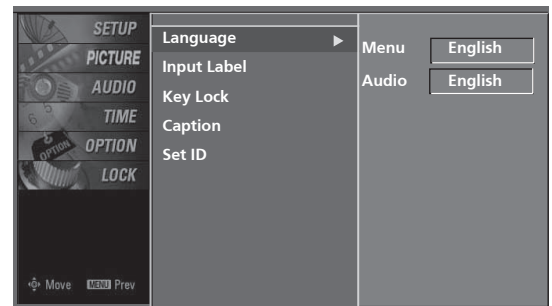
The menus can be shown on the screen in the selected language. First select your language.



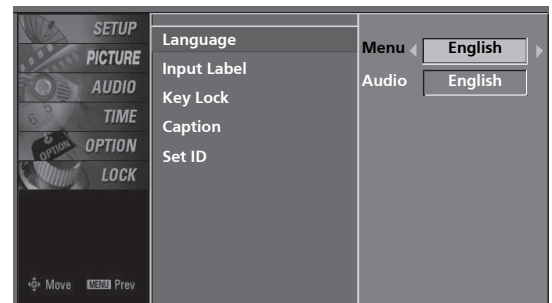
- 1 Press the **MENU** button and then use \wedge or \vee button to select the **OPTION** menu.
- 2 Press the $\>$ button and then use \wedge or \vee button to select **Language**.
- 3 Press the $\>$ button and then use \wedge or \vee button to select **Menu**.
- 4 Use \leftarrow or \rightarrow button to select your desired language. From this point on, the on-screen menus will be shown in the selected language.
- 5 Press **RETURN** button to return to TV viewing or press **MENU** button to return to the previous menu.



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CAPTION MODE

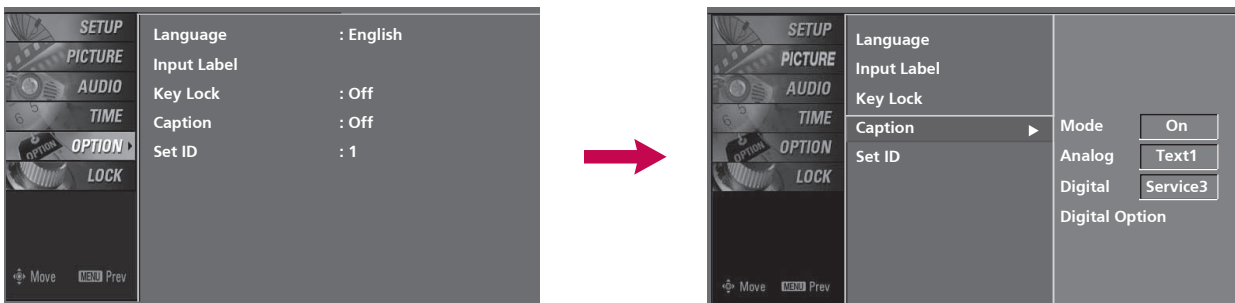
Caption must be provided to help people with hearing loss watch TV.



- 1 Use the **CC** button to select Caption **On** or **Off**.
 - When selecting **Off**, Sub-menus for Analog, Digital, and Digital Option become disabled.

- 2 Press **RETURN** button to return to TV viewing.

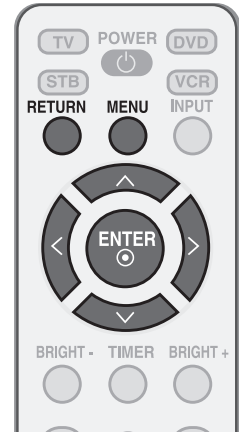
■ You can also adjust **Caption** in the **OPTION** menu.



SOUND & LANGUAGE CONTROL

Analog Broadcasting System Captions

Caption must be provided to help people with hearing loss watch TV. Select a caption mode for displaying captioning information if provided on a program. Analog caption displays information at any position on the screen and is usually the program's dialog. Caption/Text, if provided by the broadcaster, would be available for both digital and analog channels on the Antenna/Cable. This TV is programmed to memorize the caption/text mode which was last set when you turned the power off. This function is only available when **Caption Mode** is set **On**.



1 Press the **MENU** button and then use \wedge or \vee button to select the **OPTION** menu.

2 Press the $\>$ button and then use \wedge or \vee button to select **Caption**.

3 Press the $\>$ button and then use \wedge or \vee button to select **Analog**.

4 Use \leftarrow or \rightarrow button to select **CC1**, **CC2**, **CC3**, **CC4**, **Text1**, **Text2**, **Text3** or **Text4**.

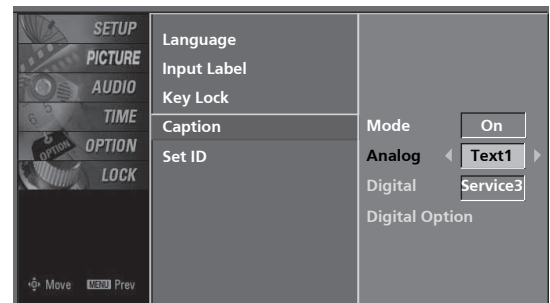
■ CAPTION

The term for the words that scroll across the bottom of the TV screen; usually the audio portion of the program provided for the hearing impaired.

■ TEXT

The term for the words that appear in a large black frame and almost cover the entire screen; usually messages provided by the broadcaster.

5 Press **RETURN** button to return to TV viewing or press **MENU** button to return to the previous menu.



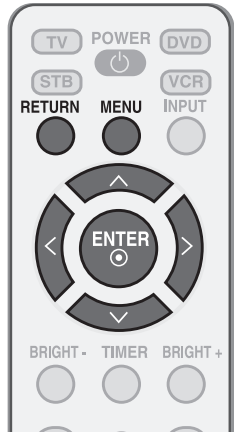
2 3 4

Digital Broadcasting System Captions

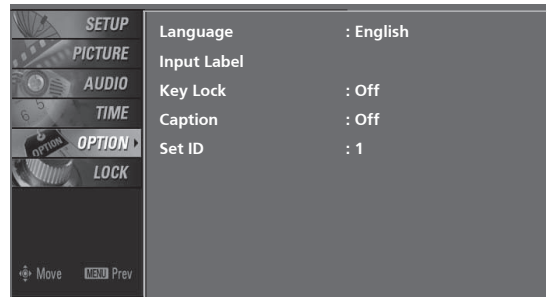
Choose the language you want the DTV/CADTV Captions to appear in.

Other Languages can be chosen for digital sources only if they are included on the program.

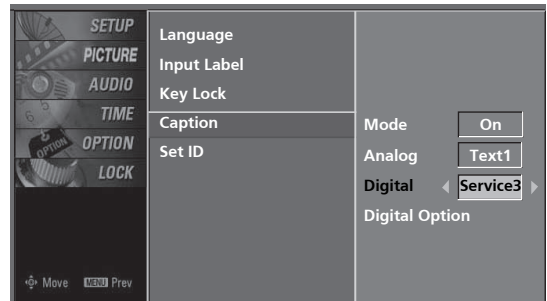
This function is only available when **Caption Mode** is set **On**.



- 1 Press the **MENU** button and then use \wedge or \vee button to select the **OPTION** menu.
- 2 Press the $\>$ button and then use \wedge or \vee button to select **Caption**.
- 3 Press the $\>$ button and then use \wedge or \vee button to select **Digital**.
- 4 Use \lt or \gt button to select **Service1 ~ Service6**.
- 5 Press **RETURN** button to return to TV viewing or press **MENU** button to return to the previous menu.



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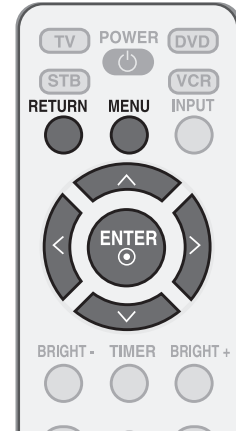
2 3 4

SOUND & LANGUAGE CONTROL

Caption Option

Customize the DTV/CADTV captions that appear on your screen.

This function is only available when **Caption Mode** is set **On**.



1 Press the **MENU** button and then use \wedge or \vee button to select the **OPTION** menu.

2 Press the \triangleright button and then use \wedge or \vee button to select **Caption**.

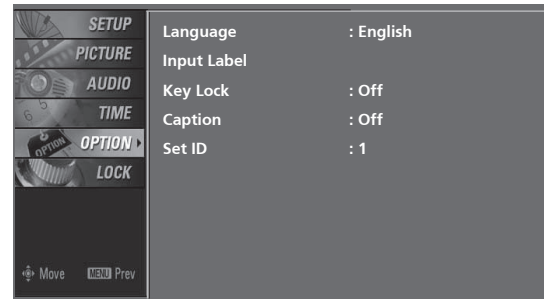
3 Press the \triangleright button and then use \wedge or \vee button to select **Digital Option**.

4 Press the \triangleright button and then use \triangleleft or \triangleright button to select **Custom**.

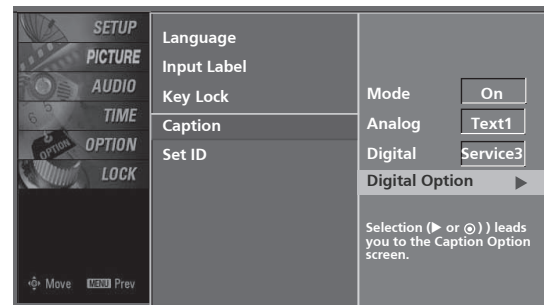
5 Use \wedge or \vee button to customize the **Style, Font**, etc., to your preference.
A preview icon is provided at the bottom of the screen, use it to see the caption language.

- **Size:** Set the word size.
- **Font:** Select a typeface for the text.
- **Text Color:** Choose a color for the text.
- **Text Opacity:** Specify the opacity for the text color.
- **Bg (Background) Color:** Select a background color.
- **Bg (Background) Opacity:** Select the opacity for the background color.
- **Edge Type:** Select an edge type.
- **Edge Color:** Select a color for the edges.

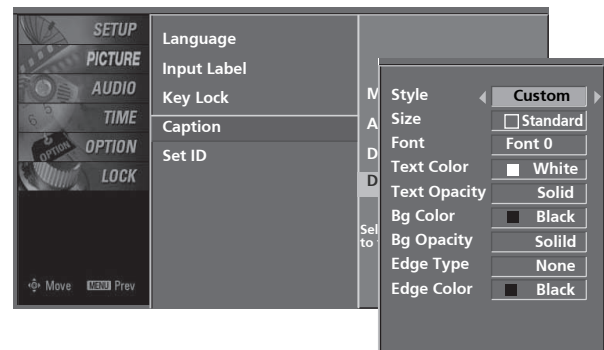
6 Press **RETURN** button to return to TV viewing or press **MENU** button to return to the previous menu.



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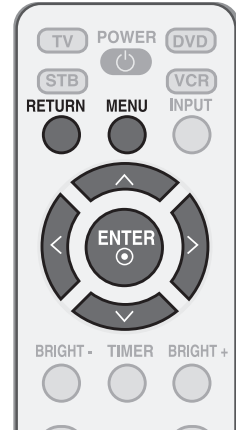
TIME SETTING

CLOCK SETTING

Auto Clock Setup

The time is set automatically from a digital channel signal. The digital channel signal includes information for the current time provided by the broadcasting station.

Set the clock manually if the current time is set incorrectly by the auto clock function.



1 Press the **MENU** button and then use \wedge or \vee button to select the **TIME** menu.

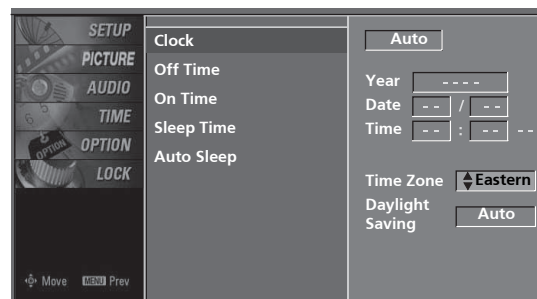
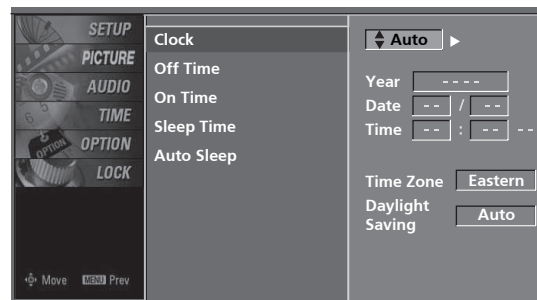
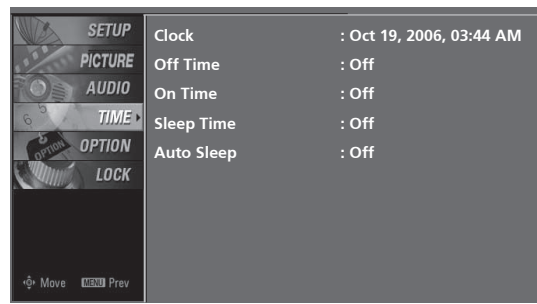
2 Press the \triangleright button and then use \wedge or \vee button to select **Clock**.

3 Press the \triangleright button and then use \wedge or \vee button to select **Auto**.

4 Press the \triangleright button and then use \wedge or \vee button to select your viewing area time zone:
USA: **Eastern, Central, Mountain, Pacific, Alaska or Hawaii.**
Canada: **Eastern, Central, Mountain, Pacific, New F.land or Atlantic.**

5 Press the \triangleright button and then use \wedge or \vee button to select **Auto, Off, On**, depending on whether or not your viewing area observes Daylight Saving time.

6 Press **RETURN** button to return to TV viewing or press **MENU** button to return to the previous menu.



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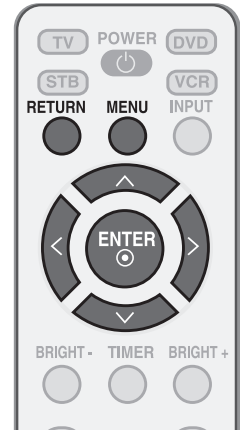
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TIME SETTING

Manual Clock Setup

If the current time setting is wrong, reset the clock manually.



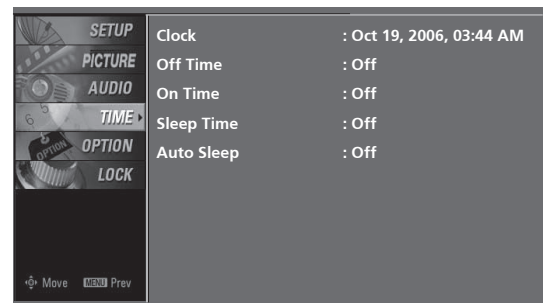
1 Press the **MENU** button and then use \wedge or \vee button to select the **TIME** menu.

2 Press the $\>$ button and then use \wedge or \vee button to select **Clock**.

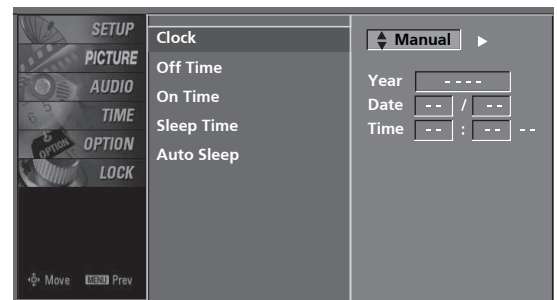
3 Press the $\>$ button and then use \wedge or \vee button to select **Manual**.

4 Press the $\>$ button and then use \leftarrow or \rightarrow button to select either the year, date, or time option. Once selected, use \wedge or \vee button to set the year, date, and time options.

5 Press **RETURN** button to return to TV viewing or press **MENU** button to return to the previous menu.



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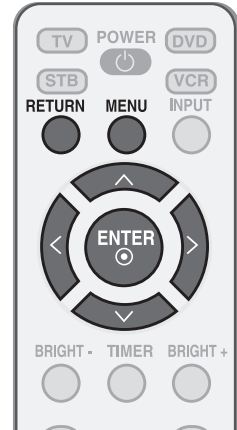


2 3

AUTO ON/OFF TIMER SETTING

This function operates only if the current time has been set. The **Off Time** function overrides the **On Time** function if they are both set to the same time.

The TV must be in standby mode for the **On Time** to work. If you do not press any button within 2 hours after the TV turns on with the **On Time** function, the TV will automatically revert to standby mode.



1 Press the **MENU** button and then use \wedge or \vee button to select the **TIME** menu.

2 Press the \triangleright button and then use \wedge or \vee button to select **Off Time** or **On Time**.

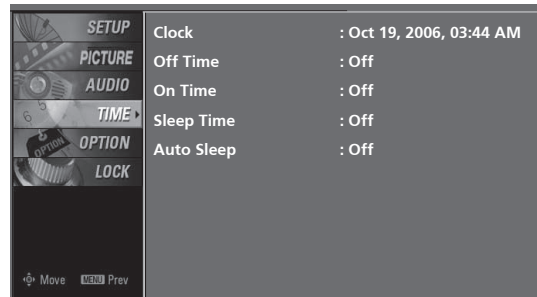
3 Press the \triangleright button and then use \wedge or \vee button to select **On**.
 ■ To cancel the **On/Off Time** function, select **Off**.

4 Press the \triangleright button and then use \wedge or \vee button to select the hour.

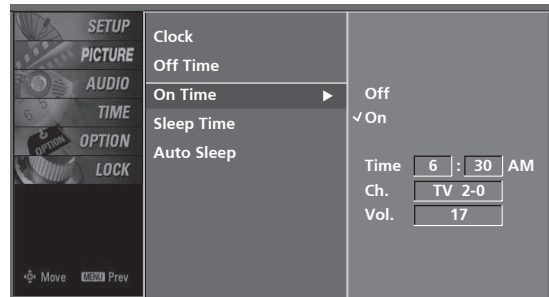
5 Press the \triangleright button and then use \wedge or \vee button to select the minutes.

6 **Only On Time**
 Press the \triangleright button and then use \wedge or \vee button to select the channel at turn-on.
 Press the \triangleright button and then use \wedge or \vee button to the sound level at turn-on.

7 Press **RETURN** button to return to TV viewing or press **MENU** button to return to the previous menu.



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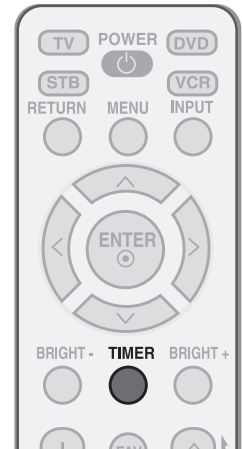


2 3 4 5 6

TIME SETTING

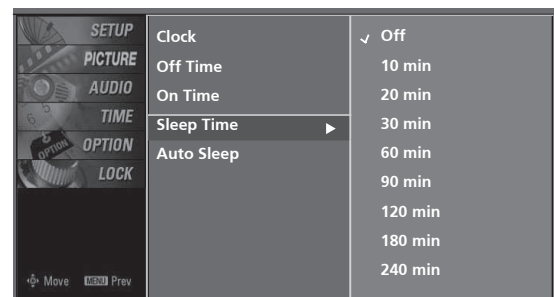
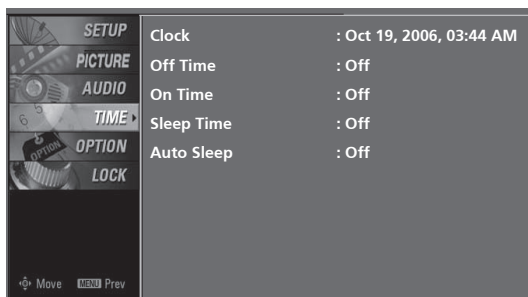
SLEEP TIMER SETTING

The Sleep Time turns the TV off at the preset time.
Note that this setting is cleared when the TV is turned off.



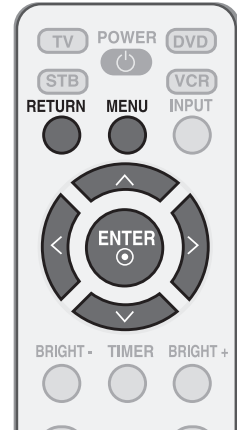
- 1 Press the **TIMER** button repeatedly to select the number of minutes. First the **Off** option appears on the screen, followed by the following sleep time options: 10, 20, 30, 60, 90, 120, 180, and 240 minutes.
- 2 When the number of minutes you want is displayed on the screen, press the **ENTER** button. The timer begins to count down from the number of minutes selected.
- 3 To check the remaining minutes before the TV turns off, press the **TIMER** button once.
- 4 To cancel the Sleep Time, press the **TIMER** button repeatedly to select **Off**.

■ You can also set up the **Sleep Time** in the **TIME** menu.



AUTO SHUT-OFF SETTING

TV will be automatically turned off, in case of no signal for 10 minutes.

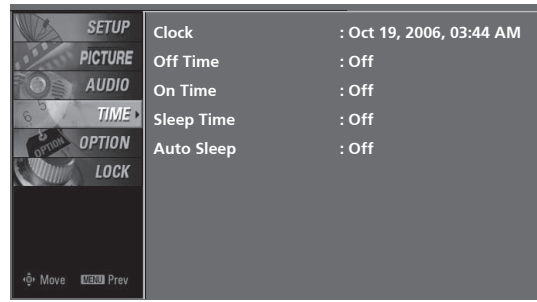


1 Press the **MENU** button and then use ^ or v button to select the **TIME** menu.

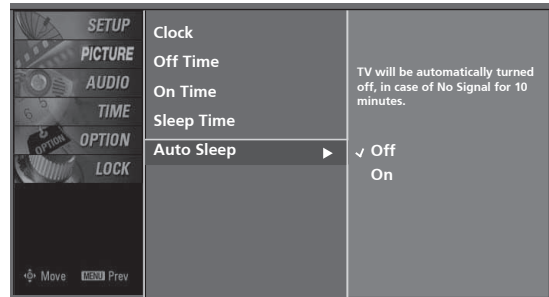
2 Press the > button and then use ^ or v button to select **Auto Sleep**.

3 Press the > button and then use ^ or v button to select **On** or **Off**.

4 Press **RETURN** button to return to TV viewing or press **MENU** button to return to the previous menu.



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PARENTAL CONTROL / RATINGS

Parental Control can be used to block specific channels, ratings and other viewing sources.

The Parental Control Function (V-Chip) is used to block program viewing based on the ratings sent by the broadcasting station. The default setting is to allow all programs to be viewed.

Viewing can be blocked by choosing the type of the program and the categories. It is also possible to block all program viewing for a time period. To use this function, the following must be done:

1. Set ratings and categories to be blocked.
2. Specify a password.
3. Enable the lock.

V-Chip rating and categories

Rating guidelines are provided by broadcasting stations. Most television programs and television movies can be blocked by TV Rating and/or Individual Categories. Movies that have been shown at the theaters or direct-to-video movies use the Movie Rating System (MPAA) only.

Ratings for Television programs including made-for-TV movies:

- TV-G (General audience)
- TV-PG (Parental guidance suggested)
- TV-14 (Parents strongly cautioned)
- TV-MA (Mature audience only)
- TV-Y (All children)
- TV-Y7 (Children 7 years older)

SET PASSWORD & LOCK SYSTEM


Setting up Your Password

Set up blocking schemes to block specific channels, ratings, and external viewing sources.

A password is required to gain access to this menu.

- 1 Press the **MENU** button and then use \wedge or \vee button to select the **LOCK** menu. Then, press the \rightarrow button.

- Enter the password as requested.
- The TV is set up with the initial password "0-0-0-0".

	For USA	For Canada
	Lock System : Off Set Password Block Channel Movie Rating TV Rating-Children TV Rating-General Downloadable Rating Input Block	Lock System : Off Set Password Block Channel TV Rating-English TV Rating-French Downloadable Rating Input Block