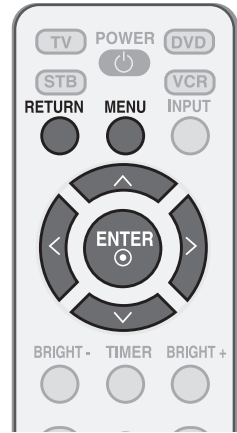# ADVANCED - BLACK (DARKNESS) LEVEL

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 ∧ or ∨ button to select the **PICTURE** menu.

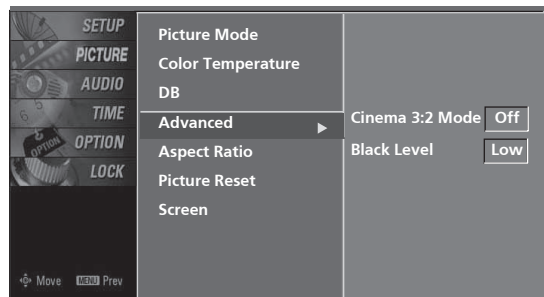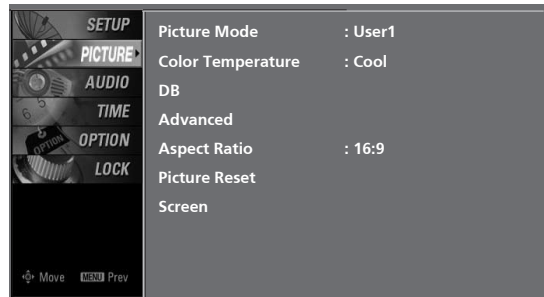**2** Press the ⟩ button and then use ∧ or ∨ button to select **Advanced**.

- -

3 Press the ⟩ button and then use ∧ or ∨ button to select **Black Level**.

- -

4 Use ⟨ or ⟩ 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.
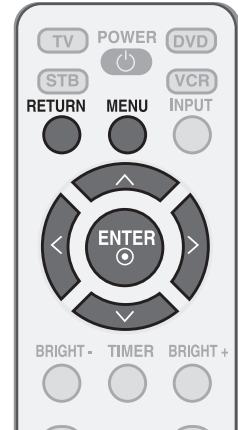
PICTURE RESET
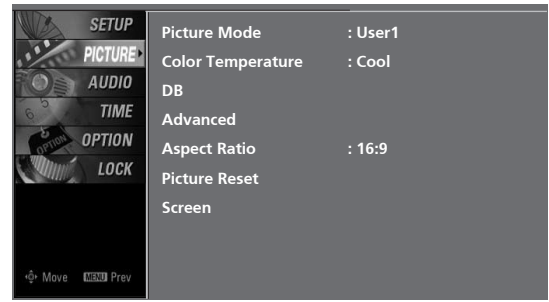
Use to quickly reset all the Picture menu options to their original factory preset values.
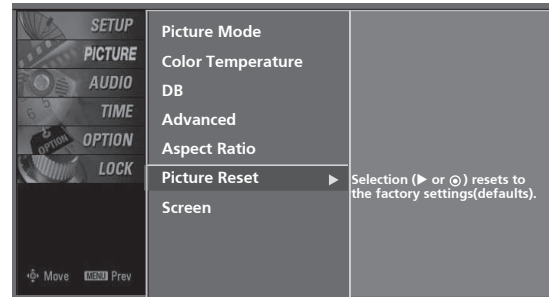
1 Press the **MENU** button and then use ∧ or ∨ button to select the **PICTURE** menu.

2 Press the ▷ button and then use ∧ or ∨ button to select **Picture Reset**.

3 Press the ▷ button to reset the **PICTURE** menu options to original values.

SETUP	Picture Mode	: User1
PICTURE	Color Temperature	: Cool
AUDIO	DB	
TIME	Advanced	
OPTION	Aspect Ratio	: 16:9
LOCK	Picture Reset	
	Screen	

◆ Move   MENU Prev

1

SETUP	Picture Mode	
PICTURE	Color Temperature	
AUDIO	DB	
TIME	Advanced	
OPTION	Aspect Ratio	
LOCK	Picture Reset ▷	Selection (▷ or ◉) resets to the factory settings(defaults).
	Screen	

◆ Move   MENU Prev

2 **3**
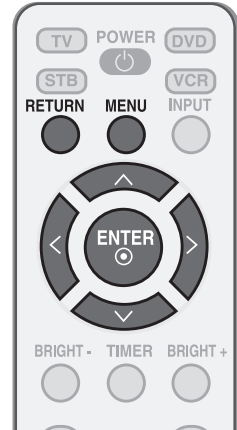
48

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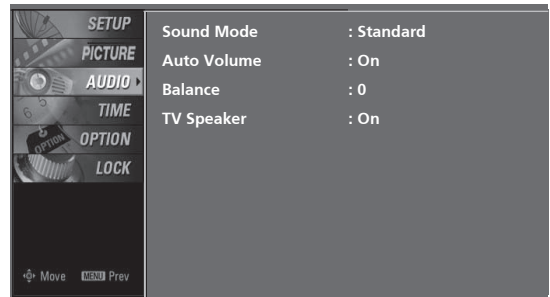
① Press the **MENU** button and then use ∧ or ∨ button to select the **AUDIO** menu.

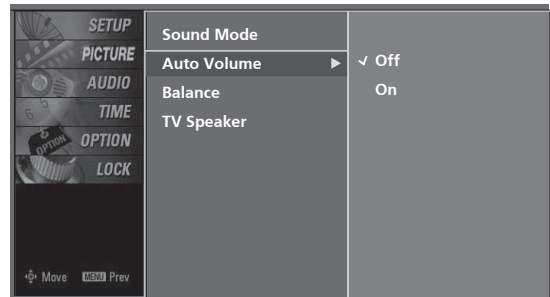② Press the 〉 button and then use ∧ or ∨ button to select **Auto Volume**.

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.

SETUP		
PICTURE	Sound Mode	: Standard
AUDIO ▶	Auto Volume	: On
TIME	Balance	: 0
OPTION	TV Speaker	: On
LOCK		

◆ Move MENU Prev

①

SETUP		
PICTURE	Sound Mode	
	Auto Volume ▶	✓ Off
AUDIO	Balance	On
TIME	TV Speaker	
OPTION		
LOCK		

◆ Move MENU Prev

② ③

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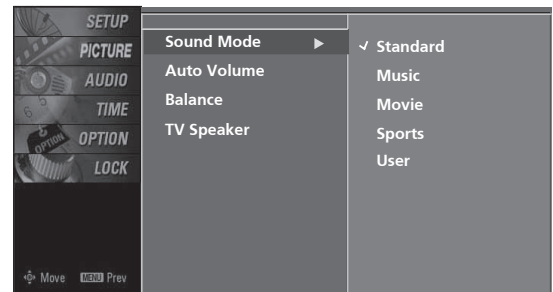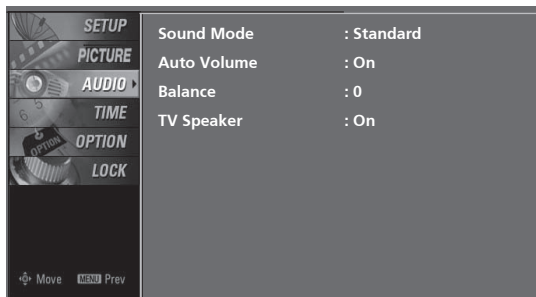
Standard, **Music**, **Movie**, and **Sports** are preset for good sound quality at the factory and are not adjustable.

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.

SETUP	Sound Mode : Standard
PICTURE	Auto Volume : On
AUDIO	Balance : 0
TIME	TV Speaker : On
OPTION	
LOCK	
Move MENU Prev	

SETUP	Sound Mode ▶	✓ Standard
PICTURE	Auto Volume	Music
AUDIO	Balance	Movie
TIME	TV Speaker	Sports
OPTION		User
LOCK		
Move MENU Prev		

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 $<$ or $>$ button to make appropriate adjustments.

> **Selecting the Front Surround**
> Press the $>$ button and then use $<$ or $>$ button to select **Off**, **3D EchoSound System** or **SRS** (Sound Retrieval System) **TruSurround XT**.
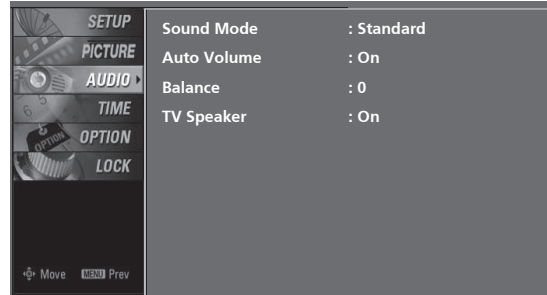
6 Press **RETURN** button to return to TV viewing or press **MENU** button to return to the previous menu.
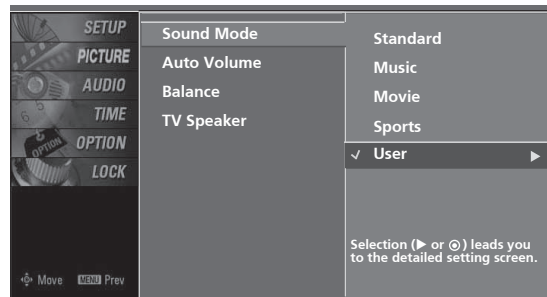

SRS TruSurround XT
Takes advantage of any multi-channel format without needing to add extra speakers or equipment. Dialog clarity, bass enrichment, and the addition of stereo audio enhancement produces an immersive sound experience from standard stereo material.

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.
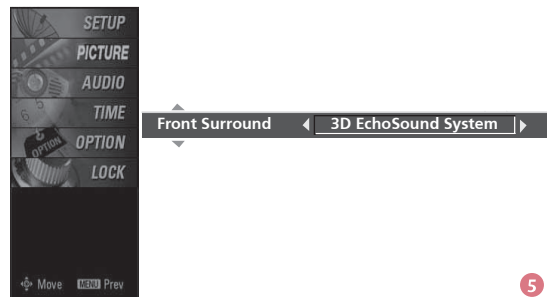

SETUP		
PICTURE	Sound Mode	: Standard
AUDIO ▷	Auto Volume	: On
TIME	Balance	: 0
OPTION	TV Speaker	: On
LOCK		

◆ Move [MENU] Prev   **1**

SETUP		
PICTURE	Sound Mode	Standard
AUDIO	Auto Volume	Music
TIME	Balance	Movie
OPTION	TV Speaker	Sports
LOCK		✓ User ▶

Selection (▶ or ⊙) leads you to the detailed setting screen.

◆ Move [MENU] Prev   **2** **3**

SETUP		
PICTURE	User	
AUDIO	Treble	50 ▶
TIME	Bass	50
OPTION	Front Surround	Off
LOCK		

Press [MENU] to confirm.

◆ Move [MENU] Prev   **4**

SETUP		
PICTURE		
AUDIO		
TIME	Front Surround	◀ 3D EchoSound System ▶
OPTION		
LOCK		

◆ Move [MENU] Prev   **5**

BALANCE

Adjust the left/right sound of speaker to suit your taste and room situations.
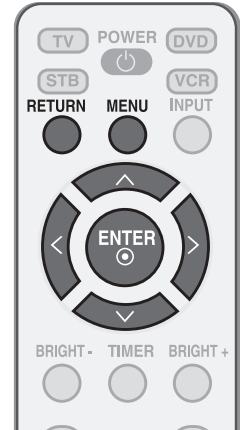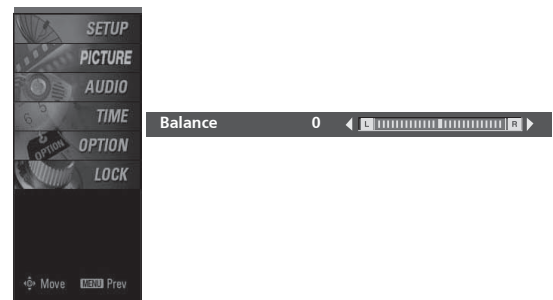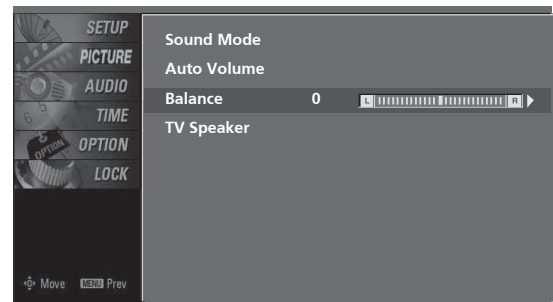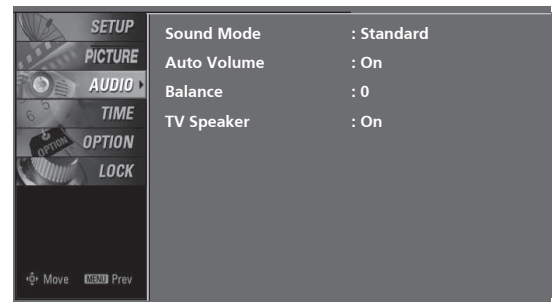
1 Press the **MENU** button and then use ∧ or ∨ button to select the **AUDIO** menu.

2 Press the ❯ button and then use ∧ or ∨ button to select **Balance**.
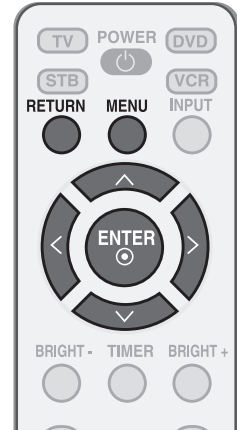
----

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.

SETUP	Sound Mode : Standard
PICTURE	Auto Volume : On
AUDIO ❯	Balance : 0
TIME	TV Speaker : On
OPTION	
LOCK	
Move MENU Prev	

1

SETUP	Sound Mode
PICTURE	Auto Volume
AUDIO	Balance 0 L▯▯▯▯▯▯▯▯▯▯▯▯▯▯R ▶
TIME	TV Speaker
OPTION	
LOCK	
Move MENU Prev	

2

SETUP	
PICTURE	
AUDIO	
TIME	
OPTION	Balance 0 ◀ L▯▯▯▯▯▯▯▯▯▯▯▯▯▯R ▶
LOCK	
Move MENU Prev	

3

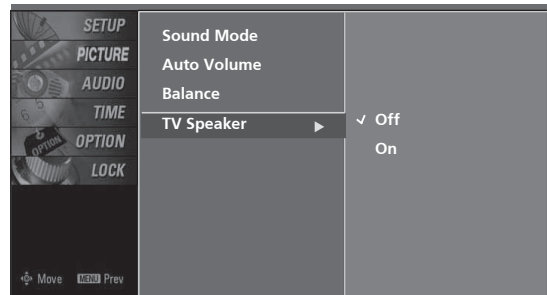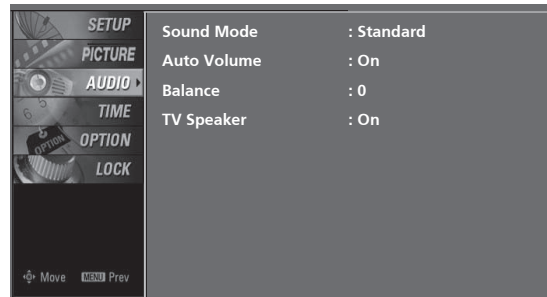# TV SPEAKERS ON/OFF SETUP

Turn the TV speakers off if using external audio equipment.

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 **TV Speaker**.

- -

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.

SETUP	Sound Mode	: Standard
PICTURE	Auto Volume	: On
AUDIO ▸	Balance	: 0
TIME	TV Speaker	: On
OPTION		
LOCK		

Move MENU Prev

1

SETUP	Sound Mode	
PICTURE	Auto Volume	
AUDIO	Balance	✓ Off
TIME	TV Speaker ▸	On
OPTION		
LOCK		

Move MENU Prev

2 3

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.
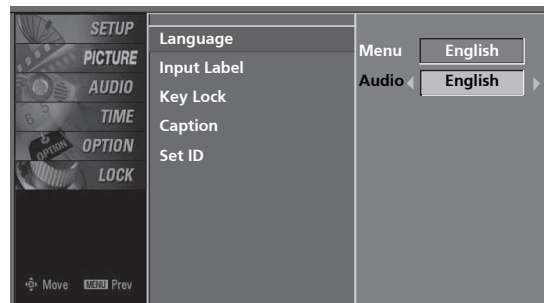This feature operates only in DTV/CADTV mode.

1 Press the **MENU** button and then use ∧ or ∨ button to select the **OPTION** menu.

2 Press the ⟩ button and then use ∧ or ∨ button to select **Language**.

3 Press the ⟩ button and then use ∧ or ∨ button to select **Audio**.

4 Use ⟨ or ⟩ 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.
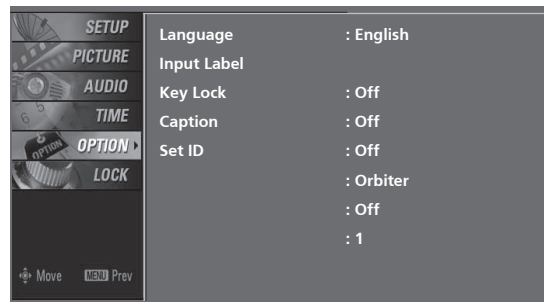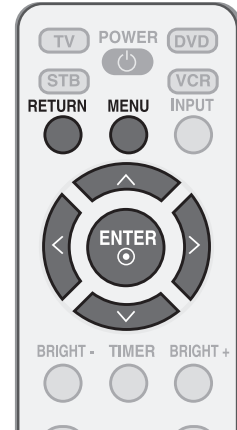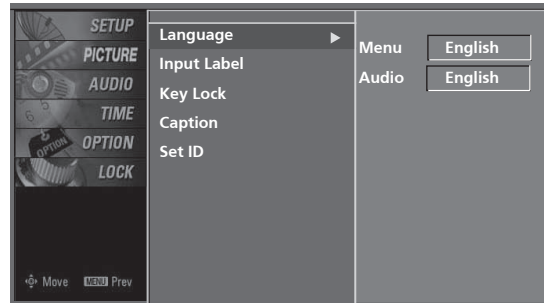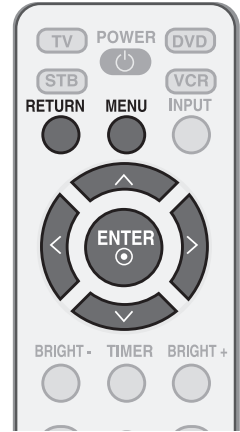
ON-SCREEN MENUS LANGUAGE SELECTION

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

**1** Press the **MENU** button and then use ∧ or ∨ button to select the **OPTION** menu.

2 Press the ⟩ button and then use ∧ or ∨ button to select **Language**.

- -

3 Press the ⟩ button and then use ∧ or ∨ button to select **Menu**.

- -

4 Use ⟨ or ⟩ 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.
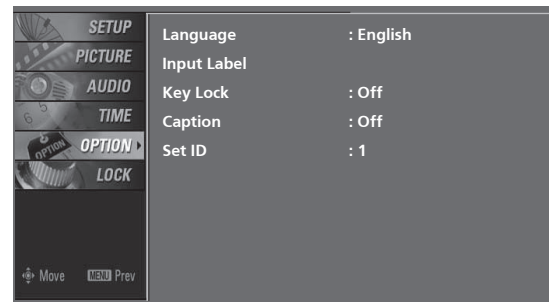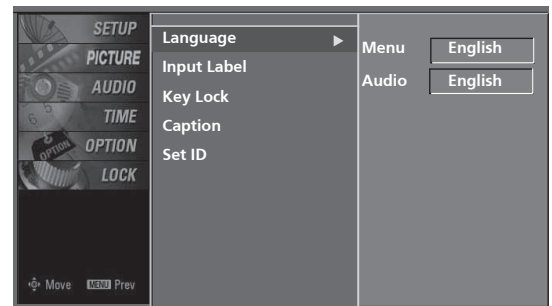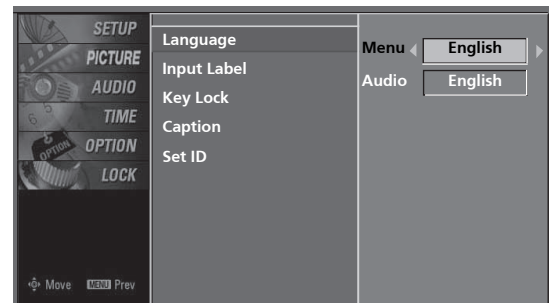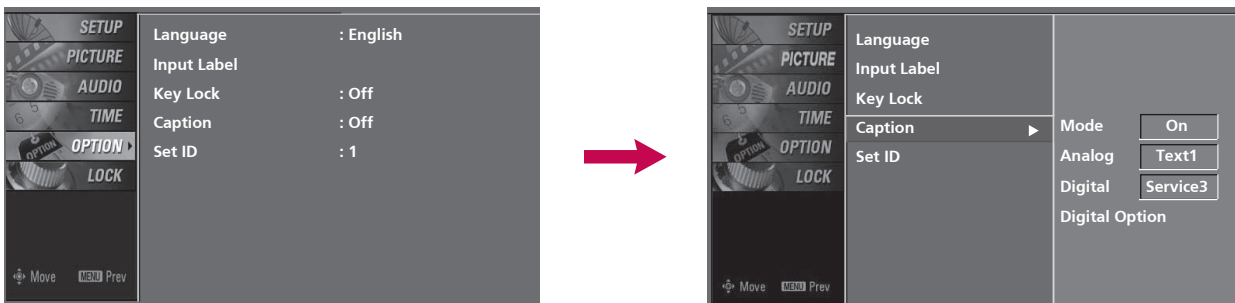
CAPTION MODE

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.

SETUP	Language : English
PICTURE	Input Label
AUDIO	Key Lock : Off
TIME	Caption : Off
OPTION ▶	Set ID : 1
LOCK	
⊕ Move MENU Prev	

SETUP	Language		
PICTURE	Input Label		
AUDIO	Key Lock		
TIME	Caption ▶	Mode	On
OPTION	Set ID	Analog	Text1
LOCK		Digital	Service3
		Digital Option	
⊕ Move MENU Prev			

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.**
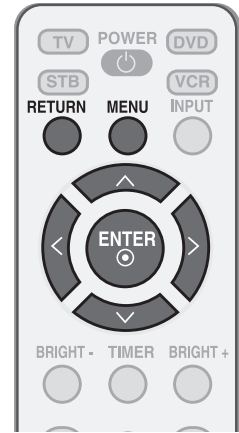
1 Press the **MENU** button and then use ∧ or ∨ button to select the **OPTION** menu.

2 Press the ⟩ button and then use ∧ or ∨ button to select **Caption**.

3 Press the ⟩ button and then use ∧ or ∨ button to select **Analog**.

4 Use ⟨ or ⟩ 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.
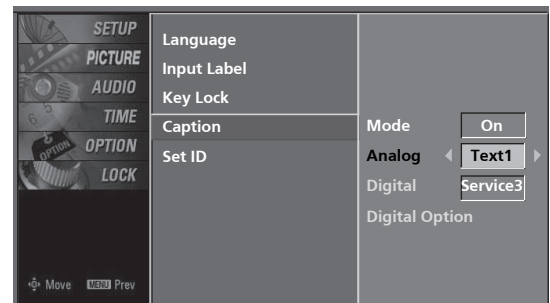
　■ **TEXT**
　The term for the words that appear in a large black frame and almost cover the entire screen; usually messages provided by the broadcaster.

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

SETUP	Language	: English
PICTURE	Input Label	
AUDIO	Key Lock	: Off
TIME	Caption	: Off
OPTION	Set ID	: 1
LOCK		

Move　MENU Prev

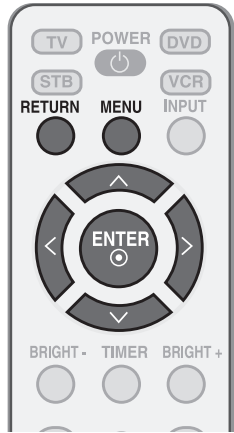| SETUP | Language | |
PICTURE	Input Label	
AUDIO	Key Lock	
TIME	Caption	Mode　On
OPTION	Set ID	Analog　Text1
LOCK		Digital　Service3
		Digital Option

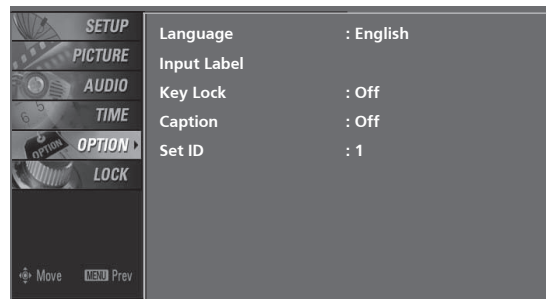Move　MENU Prev

Digital Broadcasting System Captions

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

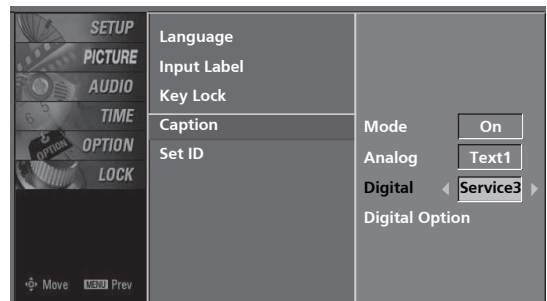Other Languages can be chosen for digital sources only if they are included on the program.

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

1 Press the **MENU** button and then use ∧ or ∨ button to select the **OPTION** menu.

2 Press the ⟩ button and then use ∧ or ∨ button to select **Caption**.

- -

3 Press the ⟩ button and then use ∧ or ∨ button to select **Digital**.

- -

4 Use ⟨ or ⟩ button to select **Service1 ~ Service6**.

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

SETUP		
PICTURE	Language	: English
AUDIO	Input Label	
TIME	Key Lock	: Off
OPTION	Caption	: Off
LOCK	Set ID	: 1

◆ Move   MENU Prev

①

SETUP		
PICTURE	Language	
AUDIO	Input Label	
TIME	Key Lock	
OPTION	Caption	Mode On
LOCK	Set ID	Analog Text1
		Digital ◄ Service3 ►
		Digital Option

◆ Move   MENU Prev

② **③** **④**

Caption Option

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

This function in only available when **Caption** Mode is set **On.**
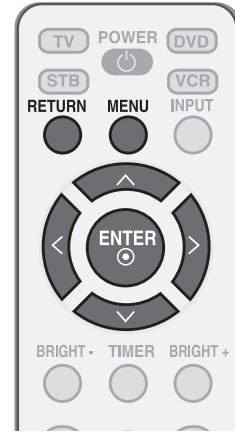
1 Press the **MENU** button and then use ∧ or ∨ button to select the **OPTION** menu.

2 Press the ⟩ button and then use ∧ or ∨ button to select **Caption**.

- -

3 Press the ⟩ button and then use ∧ or ∨ button to select **Digital Option**.

- -

4 Press the ⟩ button and then use ⟨ or ⟩ button to select **Custom**.

- -

5 Use ∧ or ∨ 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.
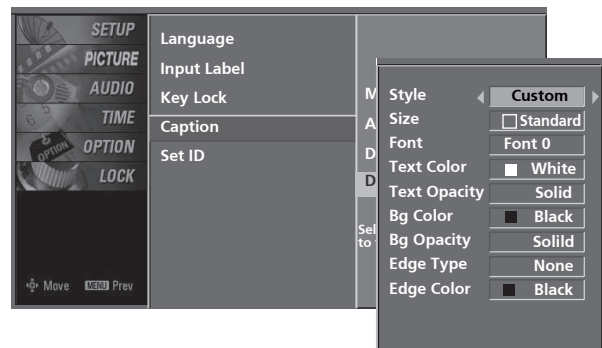- ■ **Edge Color:** Select a color for the edges.

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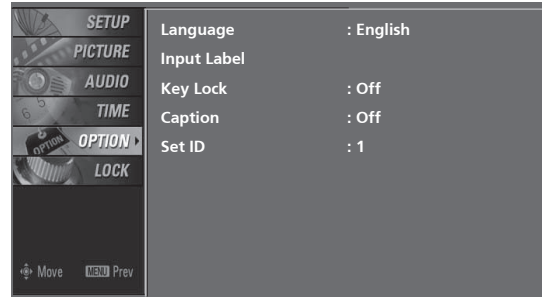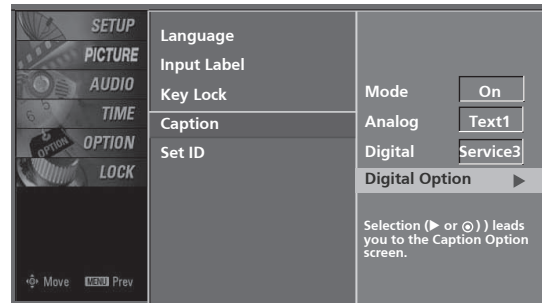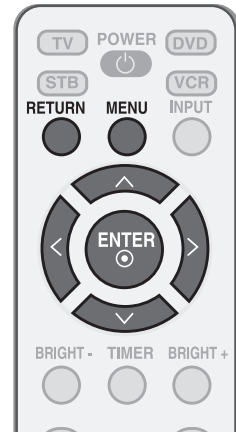
TIME SETTING

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 ∧ or ∨ button to select the **TIME** menu.

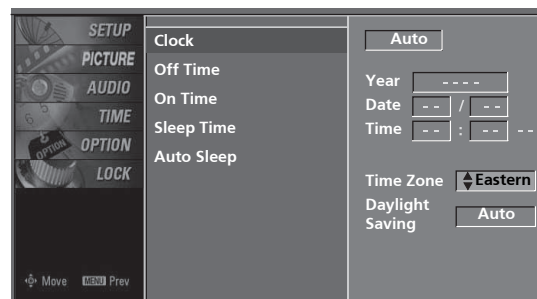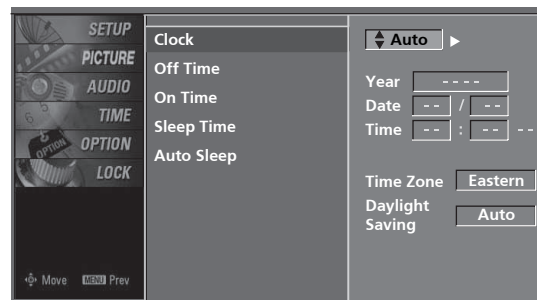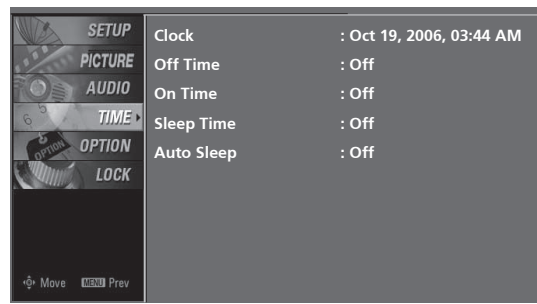**2** Press the ⟩ button and then use ∧ or ∨ button to select **Clock**.

. . . .

3 Press the ⟩ button and then use ∧ or ∨ button to select **Auto**.

. . . .

4 Press the ⟩ button and then use ∧ or ∨ 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 ⟩ button and then use ∧ or ∨ button to select **Auto**, **Off**, **On**, depending on whether or not your viewing area observes Daylight Saving time.
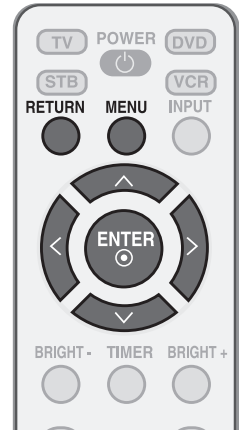
6 Press **RETURN** button to return to TV viewing or press **MENU** button to return to the previous menu.

TIME SETTING

Manual Clock Setup

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

1 Press the **MENU** button and then use ∧ or ∨ button to select the **TIME** menu.

2 Press the ⟩ button and then use ∧ or ∨ button to select **Clock**.

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3 Press the ⟩ button and then use ∧ or ∨ button to select **Manual**.

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4 Press the ⟩ button and then use ⟨ or ⟩ button to select either the year, date, or time option. Once selected, use ∧ or ∨ 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.
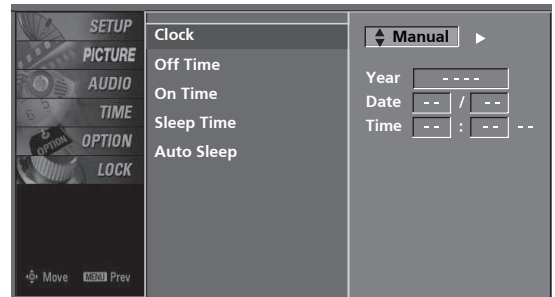
AUTO ON/OFF TIMER SETTING

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.

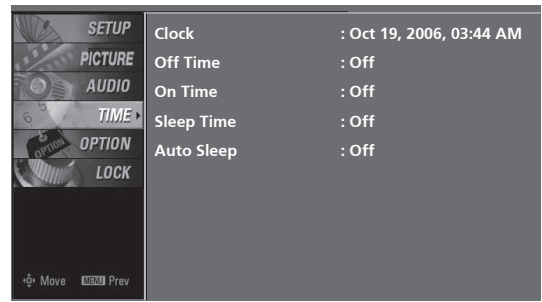If you do not press any button within 2 hours after the TV turns on with the **On Time** function, the TV will automatically revert to standby mode.

1 Press the **MENU** button and then use ∧ or ∨ button to select the **TIME** menu.

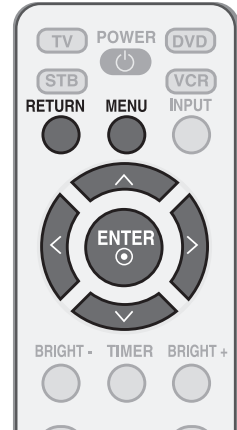2 Press the ❯ button and then use ∧ or ∨ button to select **Off Time** or **On Time**.

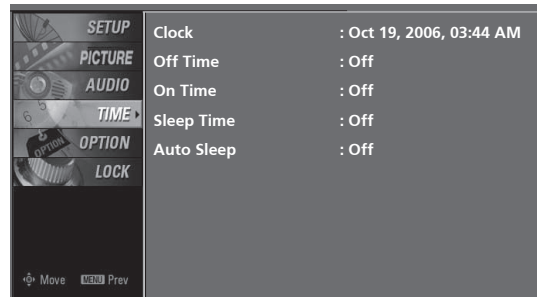- -

3 Press the ❯ button and then use ∧ or ∨ button to select **On**.
   ■ To cancel the **On/Off Time** function, select **Off**.

- -

4 Press the ❯ button and then use ∧ or ∨ button to select the hour.

- -

5 Press the ❯ button and then use ∧ or ∨ button to select the minutes.

- -

6 **Only On Time**
Press the ❯ button and then use ∧ or ∨ button to select the channel at turn-on.

Press the ❯ button and then use ∧ or ∨ 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.

Clock	: Oct 19, 2006, 03:44 AM
Off Time	: Off
On Time	: Off
Sleep Time	: Off
Auto Sleep	: Off

SETUP
PICTURE
AUDIO
TIME ▶
OPTION
LOCK

◆ Move   MENU Prev

❶

SETUP
PICTURE
AUDIO
TIME
OPTION
LOCK

Clock
Off Time
On Time ▶
Sleep Time
Auto Sleep

Off
✓ On

Time   6 : 30 AM
Ch.   TV 2-0
Vol.   17

◆ Move   MENU Prev

❷ ❸ ❹ ❺ ❻
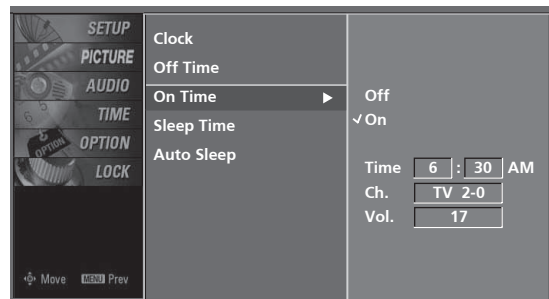
TIME SETTING

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.
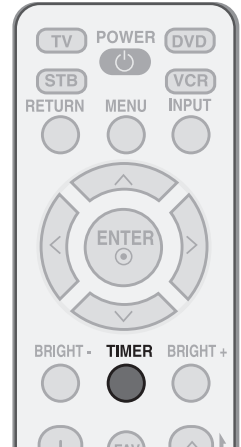
1 Press the **TIMER** button repeatedly to select the number of minutes. First the **Off** option appears on the screen, followed by the following sleep time options: 10, 20, 30, 60, 90, 120, 180, and 240 minutes.

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.

SETUP	Clock	: Oct 19, 2006, 03:44 AM
PICTURE	Off Time	: Off
AUDIO	On Time	: Off
TIME ▶	Sleep Time	: Off
OPTION	Auto Sleep	: Off
LOCK		

⊕ Move MENU Prev

➡

SETUP	Clock	✓ Off
PICTURE	Off Time	10 min
AUDIO	On Time	20 min
TIME	Sleep Time ▶	30 min
OPTION	Auto Sleep	60 min
LOCK		90 min
		120 min
		180 min
		240 min

⊕ Move MENU Prev

AUTO SHUT-OFF SETTING
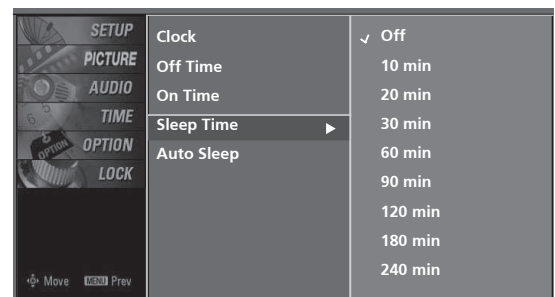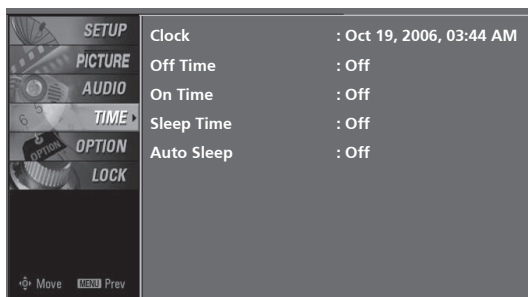
TV will be automatically turned off, in case of no signal for 10 minutes.
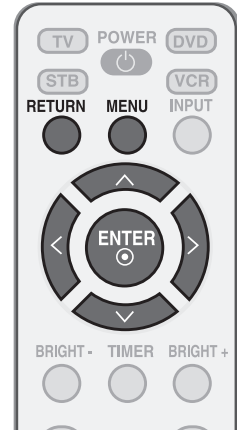
① Press the **MENU** button and then use ∧ or ∨ button to select the **TIME** menu.

② Press the ⟩ button and then use ∧ or ∨ button to select **Auto Sleep**.

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.

SETUP	Clock	: Oct 19, 2006, 03:44 AM
PICTURE	Off Time	: Off
AUDIO	On Time	: Off
TIME ▸	Sleep Time	: Off
OPTION	Auto Sleep	: Off
LOCK		

⬙ Move **MENU** Prev

①

SETUP	Clock	
PICTURE	Off Time	
AUDIO	On Time	TV will be automatically turned off, in case of No Signal for 10 minutes.
TIME	Sleep Time	
OPTION	Auto Sleep ▸	√ Off
LOCK		On

⬙ Move **MENU** Prev

② ③
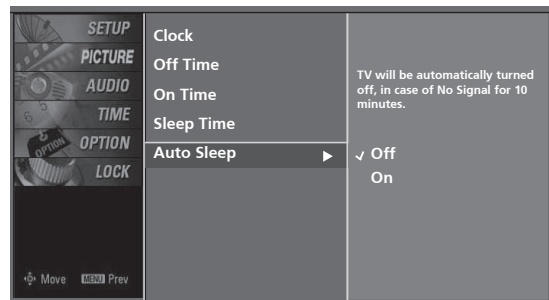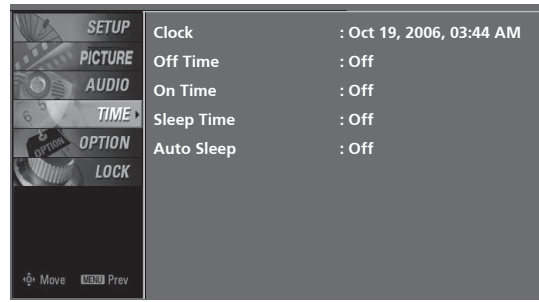
PARENTAL CONTROL / RATINGS

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.

For USA   **For Canada**

① Press the **MENU** button and then use ∧ or ∨ button to select the **LOCK** menu. Then, press the ＞ button.

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

SETUP	**For USA**	**For Canada**
PICTURE	Lock System : Off	Lock System : Off
AUDIO	Set Password	Set Password
TIME	Block Channel	Block Channel
OPTION	Movie Rating	TV Rating-English
LOCK	TV Rating-Children	TV Rating-French
	TV Rating-General	Downloadable Rating
	Downloadable Rating	Input Block
	Input Block	

Move MENU Prev