	Standard: Displays standard set of colors.
Color Gamut	Wide: Increase number of colors used.
	Maximize the utilization of color to increase color quality.
Edge Enhancer	■ Show clearer and distinctive yet natural edges in of the video.
	■ This function is enabled in "Picture Mode - Cinema, Expert".
Color Standard	■ Convert the color of a different video to HD color.
Color Filter	<ul> <li>This is the function to filter the specific colors of the video.</li> <li>You can use the RGB filter to set color saturation and hue accurately.</li> </ul>
	Tou can use the ROD litter to set color saturation and flue accurately.
	*This feature is not available for all models.
	■ This is the function to express richer color.
xvYCC	■ This feature represents rich color as much as conventional video signal.
	■ This function is enabled in "Picture mode - Cinema, Expert" when xvYCC signal is inputted through HDMI.
	■ This is the pattern necessary for expert adjustment.
Expert Pattern	■ This function is enabled in "Picture Mode - Expert" when you watch DTV.
	Adjusts the overall color of the screen by changing the color of white.
	a. Method: 2 Points
	- Pattern: Inner, Outer
	- Red/Green/Blue Contrast, Red/Green/Blue Brightness:
	The adjustment range is -50 - +50.
	b. Method : 10 Point IRE
White Balance	- Pattern: Inner, Outer
	- IRE (Institute of Radio Engineers) is the unit to display the size of the video signal
	and can be set among 10, 20, 30 - 100. You can adjust Red, Green or Blue accord-
	ing to each setting.
	- Luminance: This function displays calculated luminance value for 2.2 gamma. You can input luminance value you want at 100 IRE, than the target luminance value for 2.2
	gamma is displayed at every 10 steps from 10 IRE to 90 IRE.
	- Red/Green/Blue: The adjustment range is -50 - +50.
	,
	■ As the tool used by the experts to make adjustments by using the test patterns, this does not affect other colors but can be used to selectively adjust the 6 color areas
	(Red/Green/Blue/Cyan/Mgt/Yellow).
	Color difference may not be distinctive even when you make the adjustments for the
	general video.
Color Management System	Adjusts Red/Green/Blue/Yellow/Cyan, Magenta.
	- Red/Green/Blue/Yellow/Cyan, Magenta Color: The adjustment range is -30 - $\pm$ 30.
	- Red/Green/Blue/Yellow/Cyan, Magenta Tint: The adjustment range is -30 - +30.
	- This feature is disable in RGB-PC and HDMI-PC mode.
	*This feature is not available for all models.
OPC	■ As the technology to reduce the power consumption while keeping the same bright-
	ness, this has the effect of reducing power consumption, improvement in contrast.

### PICTURE CONTROL

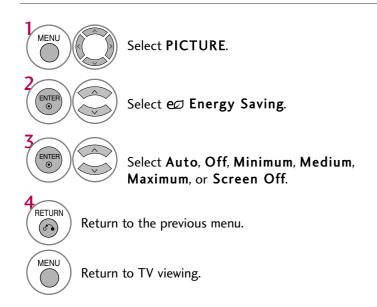
### **ENERGY SAVING**

It reduces the TV's power consumption by lowering the backlight level.

The default factory setting complies with the **Energy Star** requirements and is adjusted to the comfortable level to be viewed at home.

You can increase the brightness of your screen by adjusting the **Energy Saving** level or by setting the **Picture Mode**.

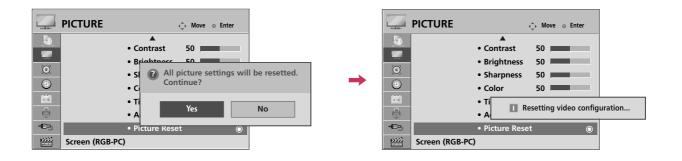


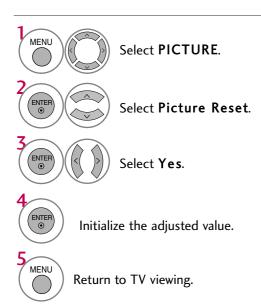


- When selecting Screen off, TV will turn off after 3 seconds.
   If you adjust "Energy Saving-Auto, Minimum, Medium, Maximum", Backlight feature will not work.
   When selecting Auto, Backlight is automatically adjusted through Intelligent sensor according to the surrounding conditions.
- Press the ENERGY SAVING button repeatedly to select the appropriate Energy Saving setup.

### **PICTURE RESET**

Settings of the selected picture modes return to the default factory settings.

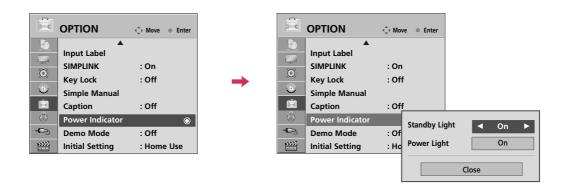




### PICTURE CONTROL

### **POWER INDICATOR**

Adjust the power/standby indicator light on the front of the TV.





Select **OPTION**.



Select **Power Indicator**.



Select Standby Light or Power Light.

- Standby Light: Determines whether to set the indicator light on the front of the TV to On or Off in standby mode.
- Power Light: Determines whether to set the indicator light on the front of the TV to On or Off when the power turns on.



Select your desired options.

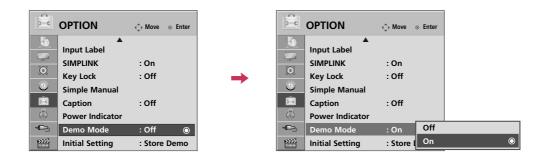


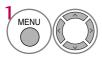
Return to the previous menu.



### **DEMO MODE**

Displays a slide show to explain the various feature of this TV.





Select **OPTION**.



Select **Demo Mode**.



Select **On** to show the various feature of the TV.



Return to TV viewing.

After a while, **Demo Mode** starts.

If you want to stop the demo, press any button (Except VOL +, - and MUTE button).

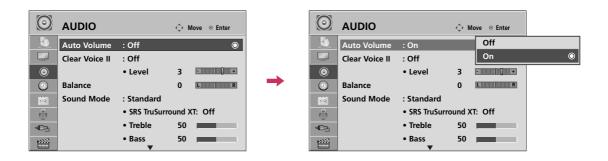
■ This feature is disabled in "Initial Setting-Home Use".

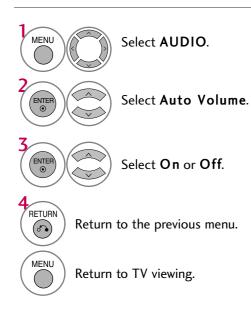
### **SOUND & LANGUAGE CONTROL**

### **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.

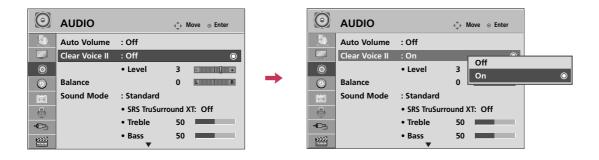
Because each broadcasting station has its own signal conditions, volume adjustment may be needed every time the channel is changed. This feature allows users to enjoy stable volume levels by making automatic adjustments for each program.

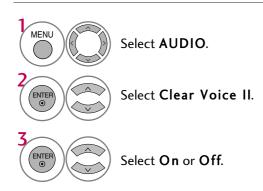




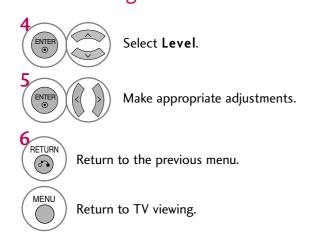
### **CLEAR VOICE II**

By differentiating the human sound range from others, it improves the sound quality of voices.



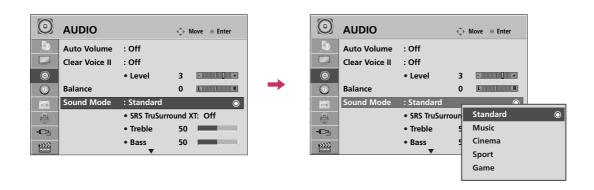


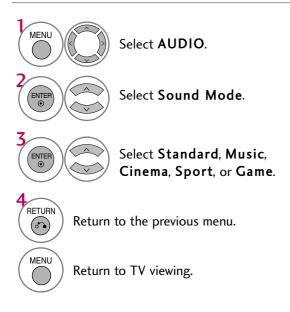
# Adjustment for Clear Voice Level With selecting $\mathbf{O}\,\mathbf{n}$



### PRESET SOUND SETTINGS (SOUND MODE)

Sound Mode lets you enjoy the best sound without any special adjustment using factory presets.

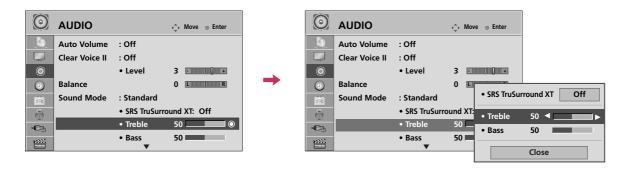


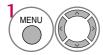


Standard, Music, Cinema, Sport, and Game are preset for optimum sound quality at the factory.
 You can also adjust Sound Mode in the Q.MENU.
 Standard: Offers standard-quality sound.
 Music: Optimizes sound for listening to music.
 Cinema: Optimizes sound for watching movies.
 Sport: Optimizes sound for watching sports events.
 Game: Optimizes sound for playing games.

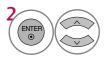
### SOUND SETTING ADJUSTMENT - USER MODE

Adjust the sound to suit your taste and room situations.

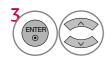




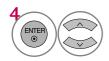
Select AUDIO.



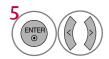
Select Sound Mode.



Select Standard, Music, Cinema, Sport, or Game.



Select Treble or Bass.



Make appropriate adjustments.



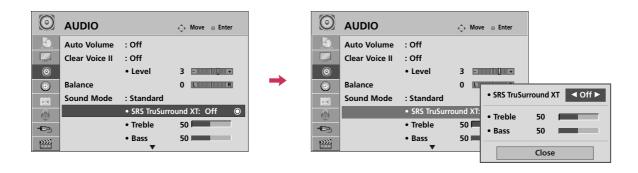
Return to the previous menu.

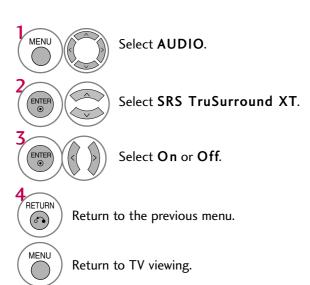


### **SOUND & LANGUAGE CONTROL**

#### **SRS TRUSURROUND XT**

Select this option to sound realistic.

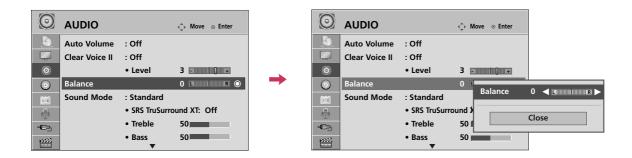


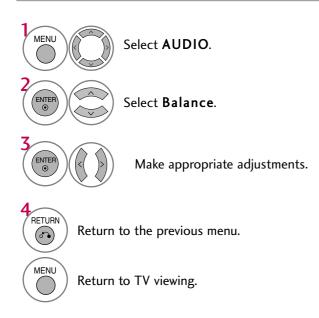


- If sound quality or volume is not at the level you want, it is recommended to use a separate home theater system or amp to cope with different user environments.
- If you select "Clear Voice II-On", SRS TruSurround XT feature will not work.
- SRS TruSurround XT: TruSurround XT is a patented SRS technology that solves the problem of playing 5.1 multichannel content over two speakers.

### **BALANCE**

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



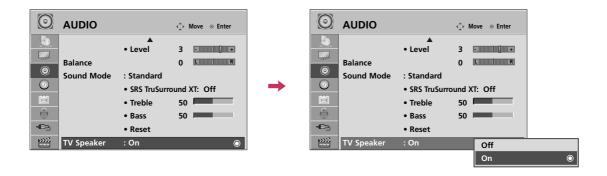


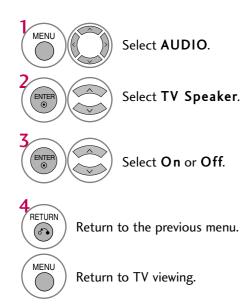
### **SOUND & LANGUAGE CONTROL**

### TV SPEAKERS ON/OFF SETUP

If you wish to use an external Hi-Fi system or a SRS System, turn off the TV's internal speakers.

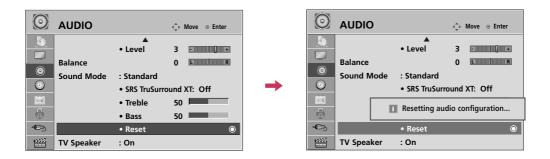
In AV, Component, RGB and HDMI with HDMI to DVI cable, the TV speaker can be operational even when there is no video signal.

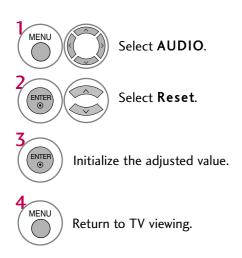




### **AUDIO RESET**

Settings of the selected Sound Mode return to the default factory settings.





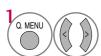
### **SOUND & LANGUAGE CONTROL**

### STEREO/SAP BROADCAST SETUP

On analog signals, 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.



### **Analog TV**



Select SAP.

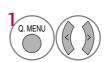


Select Mono, Stereo, or SAP.



Return to TV viewing.

### **Digital TV**



Select Multi Audio.

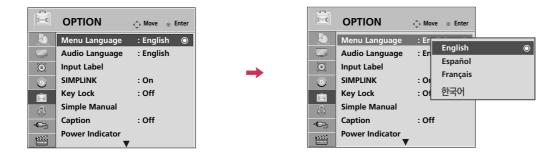


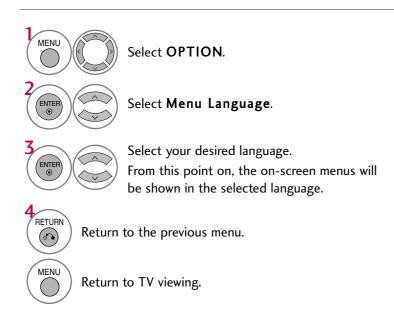
Select other languages.



### **ON-SCREEN MENUS LANGUAGE SELECTION**

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

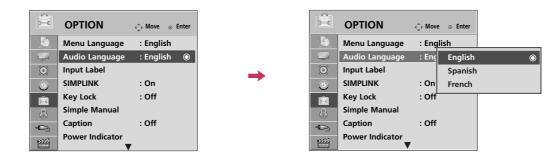




### **SOUND & LANGUAGE CONTROL**

### **AUDIO LANGUAGE**

This feature operates only in DTV/CADTV mode.

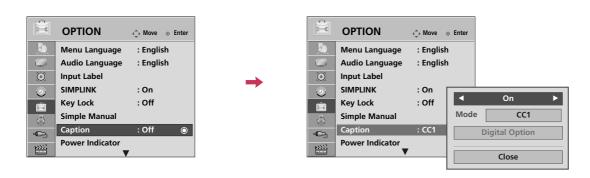


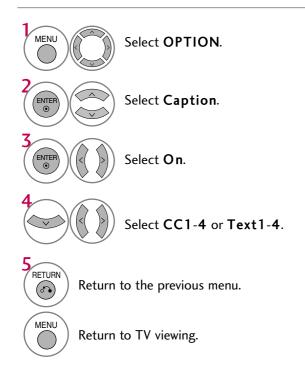


#### **CAPTION MODE**

#### **Analog Broadcasting System Captions**

Captions are provided to help the hearing impaired 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**.





When selecting Off, Sub-menus for Analog, DTV, and Digital Option become disabled.

#### **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.

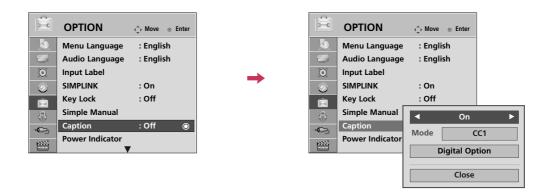
### **SOUND & LANGUAGE CONTROL**

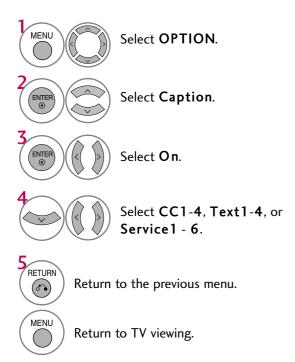
### **Digital Broadcasting System Captions**

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.

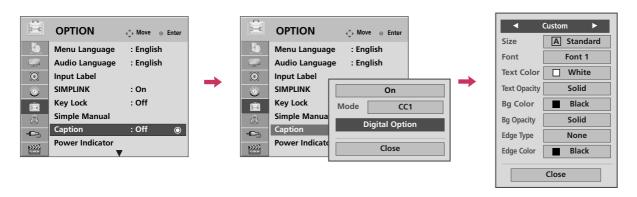
This function in only available when Caption Mode is set On.

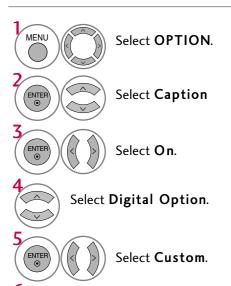




### **Caption Option**

Customize the DTV/CADTV captions that appear on your screen. This function in only available when Caption Mode is set On.





Customize the **Size**, **Font**, etc., to your preference. A preview icon is provided at the bottom of the screen, use it to see the caption language.

- Return to the previous menu.
- (MENU) Return to TV viewing.

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.

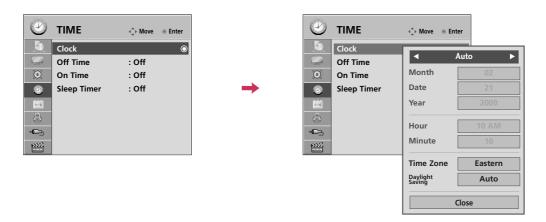
### **TIME SETTING**

### **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.





Select TIME.



Select Clock.

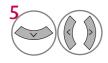


Select Auto.



Select your viewing area time zone.

- U.S.A: Eastern, Central, Mountain, Pacific, Alaska, or Hawaii.
- Canada: Eastern, Central, Mountain, Pacific, New F.land, or Atlantic.



Select **Auto**, **Off**, or **On** (depending on whether or not your viewing area observes Daylight Saving time).



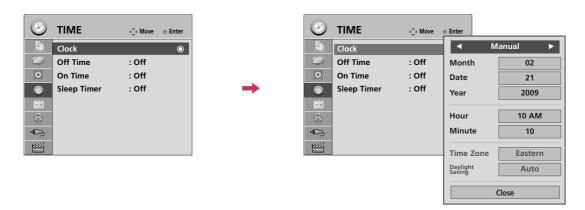
Return to the previous menu.

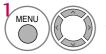


### **Manual Clock Setup**

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

If the Media Box is unplugged once or turn off with the AC power control switch on the Media Box, reset the **Clock** function.





Select TIME.



Select Clock.



Select **Manual**.



Select the Year, Month, Date, Hour, or Minutes option.



Set the Year, Month, Date, Hour, or Minutes option.



Return to the previous menu.



### TIME SETTING

### **AUTO ON/OFF TIME SETTING**

This function operates only if the current time has been set.

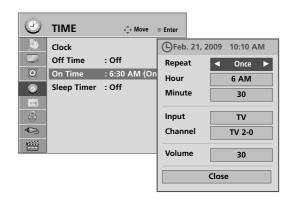
The **Off Time** function overrides the **On Time** function if they are both set to the same time.

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.

If you turn the Media Box or TV off using the main power switch after setting **On Time**, the **On Time** function will not work because the main power is off.







Select TIME.



Select Off Time or On Time.



Select Repeat.



Select Off, Once, Daily, Mon.~Fri., Mon.~Sat., Sat.~ Sun., or Sun..

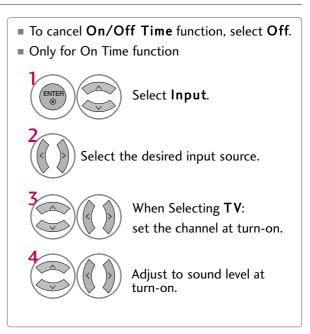


Select and set **Hour** or **Minute**.



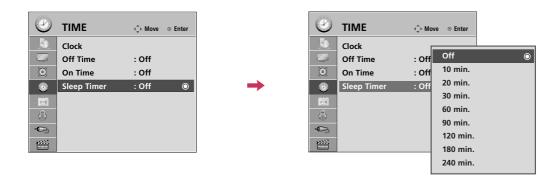
Return to the previous menu.

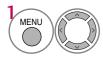




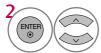
### **SLEEP TIMER SETTING**

The Sleep Timer turns the TV and Media Box off at the preset time. Note that this setting is cleared when the TV and Media Box is turned off.





Select TIME.



Select Sleep Timer.



Make appropriate adjustments.



Return to the previous menu.



- To cancel the **Sleep Timer**, select **Off**.
- You can also adjust Sleep Timer in the Q.MENU.

### 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 broad-casting 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.

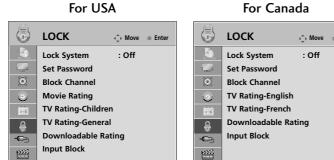
#### Ratings for Television programs including made-for-TV movies:

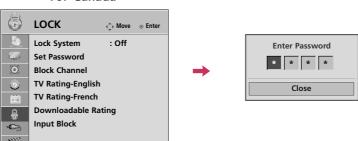
- TV-G (General audience)
- TV-PG (Parental guidance suggested)
- TV-14 (Parents strongly cautioned)
- TV-MA (Mature audience only)
- TV-Y (All children)
- TV-Y7 (Children 7 years older)

#### SET PASSWORD & LOCK SYSTEM

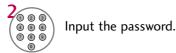
### **Setting up Your Password**

Set up blocking schemes to block specific channels, ratings, and external viewing sources. A password is required to gain access to this menu.





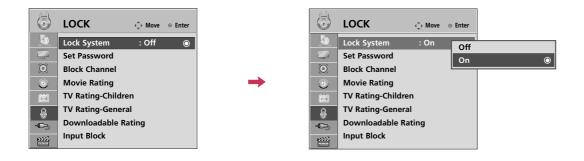


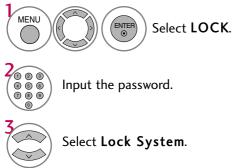


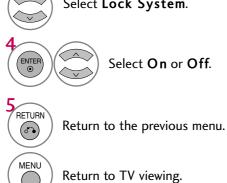
- Enter the password as requested.
- The TV is set up with the initial password "0-0-0-0".

### **Lock System**

Enables or disables the blocking scheme you set up previously.





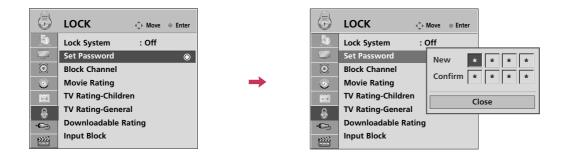


■ When you select **On**, the Lock System is enable.

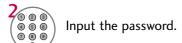
### PARENTAL CONTROL / RATINGS

#### **Set Password**

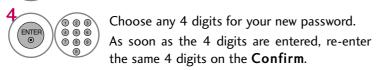
Change the password by inputting a new password twice.

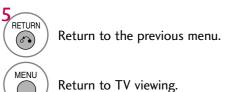






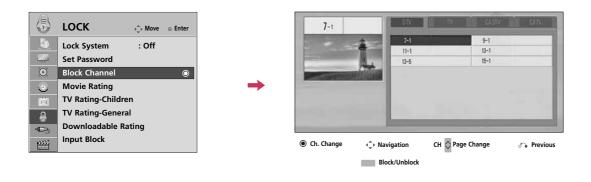






### **CHANNEL BLOCKING**

Blocks any channels that you do not want to watch or that you do not want your children to watch.







Input the password.



Select Block Channel.



Select a channel to block or unblock.



Block or unblock a channel.



Return to the previous menu.



Return to TV viewing.

If a channel is locked, enter the password to unlock it temporarily.

### PARENTAL CONTROL / RATINGS

### **MOVIE & TV RATING**

#### Movie Rating (MPAA) - For USA

Blocks movies according to the movie ratings limits specified, so children cannot view certain movies. You can set the ratings limit by blocking out all the movies with the ratings above a specified level. Keep in mind that the movie ratings limit only applies to movies shown on TV, not TV programs, such as soap operas.











Input the password.



Select Movie Rating.



Select G, PG, PG-13, R, NC-17, X, or Blocking Off.



Return to the previous menu.



Return to TV viewing.

- If Movie Rating, TV Rating-Children or TV Rating-General is locked, enter the password to unlock it temporarily.
   G (General audience)
   PG (Parental guidance suggested)
   PG-13 (Parents strongly cautioned)
  - NC-17 (No one 17 and under admitted)
  - X (Adult only)

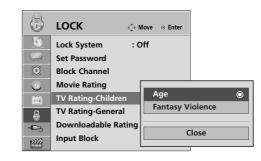
R (Restricted)

- Blocking Off (Permits all programs)
- ▶ If you set PG-13: G and PG movies will be available, PG-13, R, NC-17 and X will be blocked.

#### TV Rating Children - For USA

Prevents children from watching certain children's TV programs, according to the ratings limit set. The children rating does not apply to other TV programs. Unless you block certain TV programs intended for mature audiences in the TV Rating - sub menu, your children can view those programs.









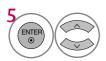
Input the password.



Select TV Rating-Children.



Select Age or Fantasy Violence.



Select block options.



Return to the previous menu.

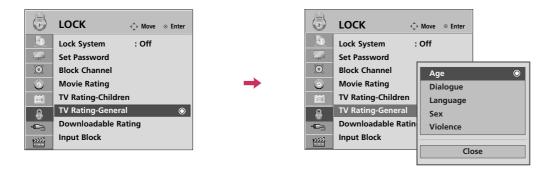


- Age (applies to TV-Y, TV-Y7)
- Fantasy Violence (applies to TV-Y7)

### PARENTAL CONTROL / RATINGS

#### TV Rating General - For USA

Based on the ratings, blocks certain TV programs that you and your family do not want to view.



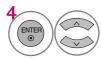




Input the password.

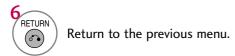


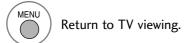
Select TV Rating-General.



Select Age, Dialogue, Language, Sex or Violence.



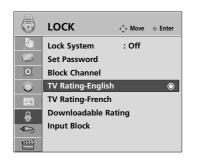




- Age (applies to TV-G,TV-PG,TV-14,TV-MA).Dialogue-sexual dialogue (applies to
- TV-PG,TV-14).
- Language-adult language (applies to TV-PG, TV-14, TV-MA).
- Sex-sexual situations (applies to TV-PG, TV-14, TV-MA).
- Violence (applies to TV-PG, TV-14, TV-MA).

### TV Rating English - For CANADA

Selecting Canadian English rating system.













Select **LOCK**.



Input the password.



Select TV Rating-English.



Select E, C, C8+, G, PG, 14+, 18+, or Blocking Off.



Return to the previous menu.



- If TV Rating-English or TV Rating-French is locked, enter the password to unlock it temporarily.
- E (Exempt)
- C (Children)
- C8+ (Children eight years and older)
- G (General programming, suitable for all audiences)
- PG (Parental Guidance)
- 14+ (Viewers 14 years and older)
- 18+ (Adult programming)
- Blocking Off (Permits all programs)

### PARENTAL CONTROL / RATINGS

#### TV Rating French - For CANADA

Selecting Canadian French rating system.











Input the password.



Select TV Rating-French.



Select E, G, 8ans+, 13ans+, 16ans+, 18ans+, or Blocking off.



Return to the previous menu.

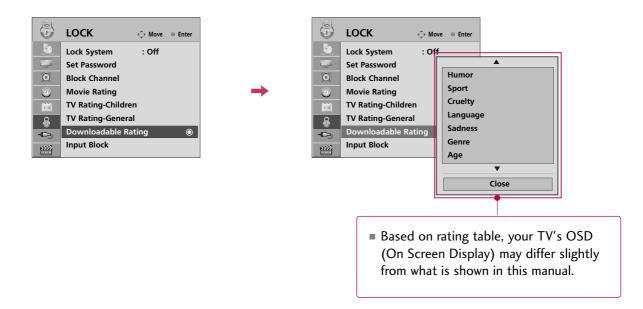


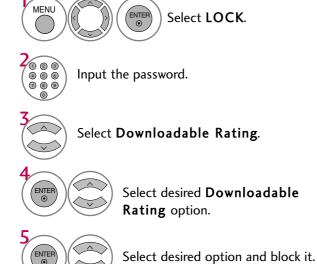
- E (Exempt)G (General)8ans+ (Genetle children)
- 8ans+ (General-Not convenient for little children)
- 13 ans+ (Not convenient for children of 13 years and younger)
- 16ans+ (Not convenient for children of 16 years and younger)
- 18ans+ (This programs is only for adults)
- Blocking off (Permits all programs)

### **DOWNLOADABLE RATING**

This function is available only for digital channels.

This function operates only when TV has received Region5 Rating data.





Return to the previous menu.

Return to TV viewing.

RETURN

(P)

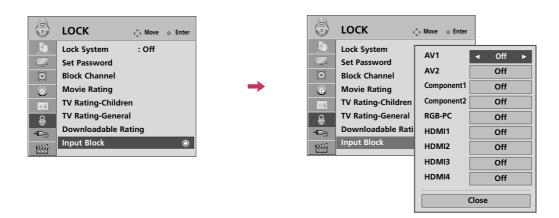
MENU

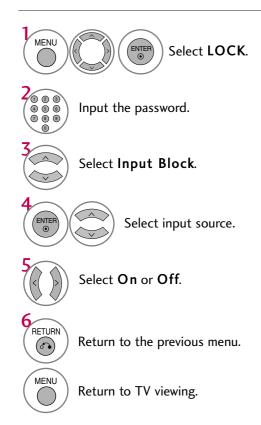
If a Downloadable rating is locked, enter the password to unlock it temporarily.

### PARENTAL CONTROL / RATINGS

### **EXTERNAL INPUT BLOCKING**

Enables you to block an input.





# **APPENDIX**

## **TROUBLESHOOTING**

Abnormal Operation	
The remote control doesn't work	<ul> <li>Check to see if there is any object between the product and the remote control causing obstruction. Ensure you are pointing the remote control directly at the TV.</li> <li>Ensure that the batteries are installed with correct polarity (+ to +, - to -).</li> <li>Ensure that the correct remote operating mode is set: TV, VCR etc.</li> <li>Install new batteries.</li> </ul>
Power is suddenly turned off	<ul> <li>Is the sleep timer set?</li> <li>Check the power control settings. Power interrupted.</li> <li>If there is no signal, the TV turns off automatically in 15 minutes.</li> </ul>

Video Problems	
No picture &No sound	<ul> <li>Check whether the product is turned on.</li> <li>Try another channel. The problem may be with the broadcast.</li> <li>Is the power cord inserted into wall power outlet?</li> <li>Check your antenna direction and/or location.</li> <li>Test the wall power outlet, plug another product's power cord into the outlet where the product's power cord was plugged in.</li> </ul>
Picture appears slowly after switching on	■ This is normal, the image is muted during the product startup process. Please contact your service center, if the picture has not appeared after five minutes.
No or poor color or poor picture	<ul> <li>Adjust Color in menu option.</li> <li>Keep a sufficient distance between the product and the VCR.</li> <li>Try another channel. The problem may be with the broadcast.</li> <li>Are the video cables installed properly?</li> <li>Activate any function to restore the brightness of the picture.</li> </ul>
Horizontal/vertical bars or picture shaking	■ Check for local interference such as an electrical appliance or power tool.
Poor reception on some channels	<ul> <li>Station or cable product experiencing problems, tune to another station.</li> <li>Station signal is weak, reorient antenna to receive weaker station.</li> <li>Check for sources of possible interference.</li> </ul>
Lines or streaks in pictures	■ Check antenna (Change the direction of the antenna).
No picture when connecting HDMI	Check HDMI cable over version 1.3. The HDMI cables don't support HDMI version 1.3, it cause flickers or no screen display. In this case use the latest cables that support HDMI version 1.3.

## **APPENDIX**

Audio Problems	
Picture OK & No sound	<ul> <li>Press the VOL or VOLUME button.</li> <li>Sound muted? Press MUTE button.</li> <li>Try another channel. The problem may be with the broadcast.</li> <li>Are the audio cables installed properly?</li> </ul>
No output from one of the speakers	■ Adjust Balance in menu option.
Unusual sound from inside the product	A change in ambient humidity or temperature may result in an unusual noise when the product is turned on or off and does not indicate a fault with the product.
No sound when connecting HDMI/USB	<ul> <li>Check HDMI cable over version 1.3.</li> <li>Check USB cable over version 2.0.</li> <li>Use normal MP3 file.</li> <li>*This feature is not available for all models.</li> </ul>

PC Mode Problems	
The signal is out of range	<ul><li>Adjust resolution, horizontal frequency, or vertical frequency on the PC.</li><li>Check the input source.</li></ul>
Vertical bar or stripe on background & Horizontal Noise & Incorrect position	■ Activate the Auto configure feature or adjust size, phase, or H/V position. (Option)
Screen color is unstable or single color	<ul><li>Check the signal cable.</li><li>Reinstall the PC video card.</li></ul>
When connecting the HDMI cable to the PC, there is no audio.	Check the manual for the video card in the PC to see if it supports HDMI audio and how to set it up properly.

Movie List Problems	
The file does not appear on the Movie List.	■ Check whether the extension is supported.
Message is displayed saying "File is not supported" or the audio is working normally but the video is not working normally.	<ul> <li>Check whether the file is playing normally on a PC.</li> <li>(Check whether the file is damaged.)</li> <li>Check whether the resolution is supported.</li> <li>Check whether the video/audio codec is supported.</li> <li>Check whether the frame rate is supported.</li> </ul>
Message is displayed saying "Audio is not supported" or the video is working normally but the audio is not working normally.	<ul> <li>Check whether the file is playing normally on a PC.</li> <li>(Check whether the file is damaged.)</li> <li>Check whether the audio codec is supported.</li> <li>Check whether the bit rate is supported.</li> <li>Check whether the sample rate is supported.</li> </ul>
Subtitle is not working.	<ul> <li>Check whether the file is playing normally on a PC.</li> <li>(Check whether the file is damaged.)</li> <li>Check whether the video file and subtitle file name are the same.</li> <li>Check whether the video file and subtitle file are located in the same folder.</li> <li>Check whether the subtitle file is supported.</li> <li>Check whether the language is supported. (When you open the subtitle file in Memo Pad, you can check the language of the subtitle file.)</li> </ul>

# Wireless Connection Problems

Wireless connection is not established or is frequently disconnected.

- Adjust the location of the Media Box.
- Check if there are any obstacles near the TV or Media Box.
- Make sure the Media Box is turned on.

# **MAINTENANCE**

Early malfunctions can be prevented. Careful and regular cleaning can extend the amount of time you can enjoy your new TV.

Caution: Be sure to turn the power off and unplug the power cord before you begin any cleaning.

# **Cleaning the Screen**

- Here's a great way to keep the dust off your screen for a while. Wet a soft cloth in a mixture of lukewarm water and a little fabric softener or dish washing detergent. Wring the cloth until it's almost dry, and then use it to wipe the screen.
- 2 Make sure the excess water is off the screen, and then let it air-dry before you turn on your TV.

# **Cleaning the Cabinet**

- To remove dirt or dust, wipe the cabinet with a soft, dry, lint-free cloth.
- Please be sure not to use a wet cloth.

### **Extended Absence**

### **A** CAUTION

▶ If you expect to leave your TV dormant for a long time (such as a vacation), it's a good idea to unplug the power cord to protect against possible damage from lightning or power surges.

# **PRODUCT SPECIFICATIONS**

MODELS		<b>47LH85</b> (47LH85-UC)	<b>55LH85</b> (55LH85-UC)			
Dimensions (Width x Height	With stand	46.4 x 33.5 x 15.7 inches 1179.0 x 851.4 x 398.8 mm	54.0 x 37.9 x 17.8 inches 1373.0 x 964.3 x 454.2 mm			
x Depth)	Without stand		54.0 x 34.9 x 4.2 inches 1373.0 x 888.5 x 106.9 mm			
Weight	With stand Without stand	55.9 lbs / 25.4 kg 47.6 lbs / 21.6 kg	86.4 lbs / 39.2 kg 74.5 lbs / 33.8 kg			
٨	MODELS	<b>ASW1000</b> (ASW1000-UA)				
Dimensions (Width x Height x Depth)		16.7 x 2.7 x 9.5 inches 426.0 x 68.6 x 234.5 mm				
Weight		5.7 lbs / 2.6 kg				
Power requirement Television System Program Coverage External Antenna Impedance		AC100-240V ~ 50/60Hz NTSC-M, ATSC, 64 & 256 QAM VHF 2-13, UHF 14-69, CATV 1-135, DTV 2-69, CADTV 1-135 75 ohm				
Environment condition	Operating Temperature Operating Humidity		(0 ~ 40°C) an 80%			
condition	Storage Temperature Storage Humidity	-4 ~ 140°F (-20 ~ 60°C) Less than 85%				

<sup>■</sup> The specifications shown above may be changed without prior notice for quality improvement.

## FCC ID: BEJEAX5296, IC: 2703L-EAX5296

Symbol	Parameter	Min.	Туре	Max.	Units
Fc (HRP)	Frequency Range	59.4	60.48	61.56	GHz
BW HRP	HRP Occupied Bandwidth			1.76	GHz
BW LRP	LRP Occupied Bandwidth			92	MHz
P HREIRP	HRP Radiated Power (EIRP)	23	25	27	dBm
P LREIRP	LRP Radiated Power (EIRP)	8	11	21	dBm
G HRTX	HRP Transmit Antenna Gain		15	17	dBi
G LRTX	LRP Transmit Antenna Gain		3	13	dBi

# **IR CODES**

Code (Hexa)	Function	Note	Code (Hexa)	Function	Note
08	POWER	Remote control Button (Power On/Off)	D6	TV	Discrete IR Code
FO	TV	Remote control Button			(TV Input Selection)
45	Q.MENU	Remote control Button	C4	POWER ON	Discrete IR Code
43	MENU	Remote control Button			(Only Power On)
ОВ	INPUT	Remote control Button	C5	POWER OFF	Discrete IR Code
10-19	Number Key 0-9	Remote control Button			(Only Power Off)
4C	- (Dash)/LIST	Remote control Button	5A	AV1	Discrete IR Code
1A	FLASHBK	Remote control Button			(AV1 Input Selection)
09	MUTE	Remote control Button	D0	AV2	Discrete IR Code
02	VOL+	Remote control Button			(AV2 Input Selection)
03	VOL -	Remote control Button	BF	COMPONENT1	Discrete IR Code
00	CH ^	Remote control Button			(Component1 Input Selection)
01	CH Y	Remote control Button	D4	COMPONENT2	Discrete IR Code
1E	FAV/MARK	Remote control Button			(Component2 Input Selection)
40	^	Remote control Button	D5	RGB-PC	Discrete IR Code
41	<b>~</b>	Remote control Button			(RGB-PC Input Selection)
07	<	Remote control Button	CE	HDMI1	Discrete IR Code
06	>	Remote control Button			(HDMI1 Input Selection)
44	ENTER	Remote control Button	CC	HDMI2	Discrete IR Code
28	RETURN	Remote control Button			(HDMI2 Input Selection)
95	ENERGY SAVING	Remote control Button	E9	HDMI3	Discrete IR Code
7E	SIMPLINK	Remote control Button			(HDMI3 Input Selection)
AA	INFO	Remote control Button	DA	HDMI4	Discrete IR Code
30	AV MODE	Remote control Button			(HDMI4 Input Selection)
72	RED	Remote control Button	76	Ratio 4:3	Discrete IR Code
71	GREEN	Remote control Button			(Only 4:3 Mode)
63	YELLOW	Remote control Button	77	Ratio 16:9	Discrete IR Code
61	BLUE	Remote control Button			(Only 16:9 Mode)
B1		Remote control Button	AF	Ratio Zoom	Discrete IR Code
ВО	<b>&gt;</b>	Remote control Button			(Only Zoom Mode)
BA	П	Remote control Button			
8F	<b>44</b>	Remote control Button			
8E	<b>&gt;&gt;</b>	Remote control Button			

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- Linux kernel 2.6
- busybox
- Izo

#### IGPL LIBRARIES:

uClibc

#### MPI\_LIBRARIES:

■ Nanox

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Version 2.1, February 1999

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Version 1.1

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If contributor has knowledge that a license under a third party's intellectual property rights is required to exercise the rights granted by such contributor under sections 2.1 or 2.2, contributor must include a text file with the source code distribution titled "LEGAL" which describes the claim and the party making the claim in sufficient detail that a recipient will know whom to contact. If contributor obtains such knowledge after the modification is made available as described in section 3.2, contributor shall promptly modify the LEGAL file in all copies contributor makes available thereafter and shall take other steps (such as notifying appropriate mailing lists or newsgroups) reasonably calculated to inform those who received the covered code that new knowledge has been obtained.

(b) Contributor APIs.

If contributor's modifications include an application programming interface and contributor has knowledge of patent licenses which are reasonably necessary to implement that API, contributor must also include this information in the LEGAL file.

#### (c) Representations.

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#### 3.5. Required notices.

You must duplicate the notice in exhibit A in each file of the source code. If it is not possible to put such notice in a particular source code file due to its structure, then You must include such notice in a location (such as a relevant directory) where a user would be likely to look for such a notice. If You created one or more modification(s), you may add your name as a contributor to the notice described in exhibit A. you must also duplicate this license in any documentation for the source code where You describe recipients' rights or ownership rights relating to covered code. You may choose to offer, and to charge a fee for, warranty, support, indemnity or liability obligations to one or more recipients of covered code. However, you may do so only on your own behalf, and not on behalf of the Initial developer or any contributor. You must make it absolutely clear than any such warranty, support, indemnity or liability obligation is offered by you alone, and You hereby agree to indemnify the Initial developer and every contributor for any liability incurred by the Initial developer or such contributor as a result of warranty, support, indemnity or liability terms you offer.

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If it is impossible for you to comply with any of the terms of this license with respect to some or all of the covered code due to statute, judicial order, or regulation then you must: (a) comply with the terms of this license to the maximum extent possible; and (b) describe the limitations and the code they affect. Such description must be included in the LEGAL file described in section 3.4 and must be included with all distributions of the source code. Except to the extent prohibited by statute or regulation, such description must be sufficiently detailed for a recipient of ordinary skill to be able to understand it.

#### 5. Application of this license.

This license applies to code to which the initial developer has attached the notice in exhibit A and to related covered code.

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