	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.
Color Standard	■ Convert the color of a different video to HD color.
Color Filter	 This is the function to filter the specific colors of the video. You can use the RGB filter to set color saturation and hue 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.
Even out Dattown	■ This is the pattern necessary for expert adjustment.
Expert Pattern	■ This function is enabled in "Picture Mode - Expert" when you watch DTV.
White Balance	 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 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 according 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.
Color Management System	■ 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. Adjusts Red/Green/Blue/Yellow/Cyan, Magenta.
	 Red/Green/Blue/Yellow/Cyan, Magenta Color: The adjustment range is -30 - +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 brightness, this has the effect of reducing power consumption, improvement in contrast.

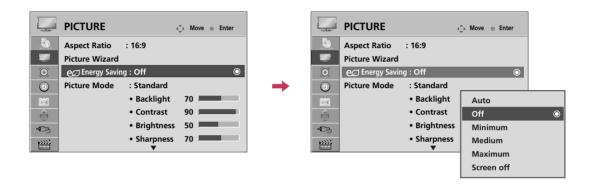
PICTURE CONTROL

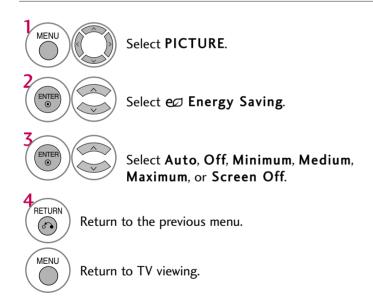
ENERGY SAVING

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**.

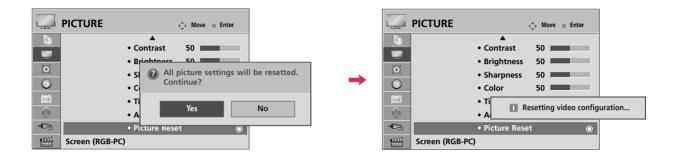


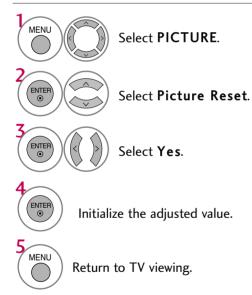


When selecting Screen off, TV will turn off after 3 seconds.
 If you adjust "Energy Saving-Auto, Minimum, Medium, Maximum", Backlight feature will not work.
 When selecting Auto, Backlight is automatically adjusted through Intelligent sensor according to the surrounding conditions.
 Press the ENERGY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

PICTURE RESET

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

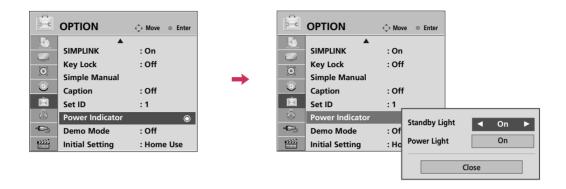




PICTURE CONTROL

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.

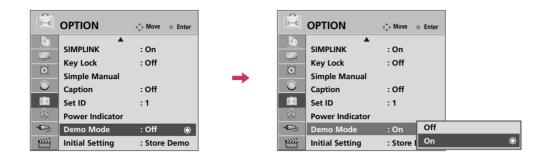


Return to the previous menu.



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).

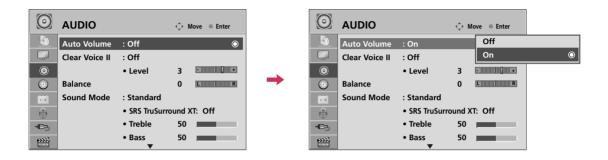
■ This feature is disabled in "Initial Setting-Home Use".

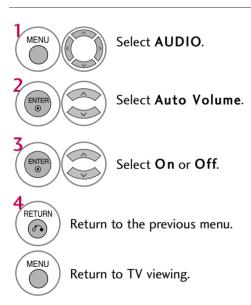
SOUND & LANGUAGE CONTROL

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.

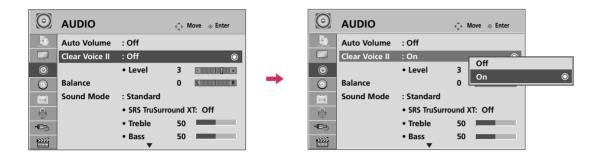
Because each broadcasting station has its own signal conditions, volume adjustment may be needed every time the channel is changed. This feature allows users to enjoy stable volume levels by making automatic adjustments for each program.





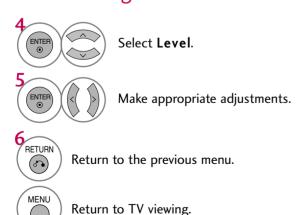
CLEAR VOICE II

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



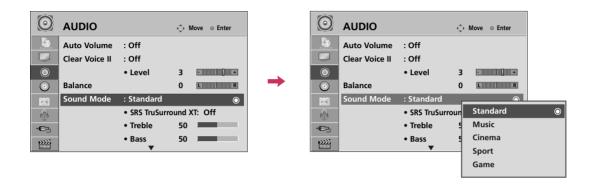


Adjustment for Clear Voice Level With selecting $\mathbf{O}\,\mathbf{n}$



PRESET SOUND SETTINGS (SOUND MODE)

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

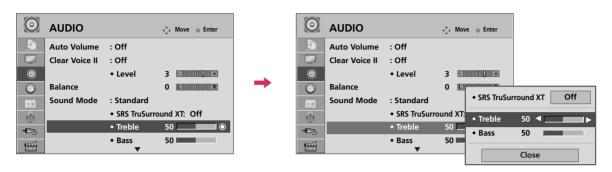


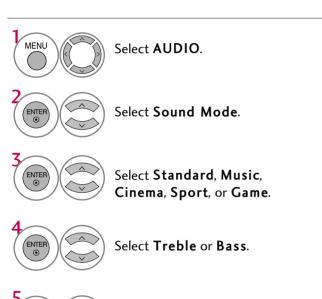


Standard, Music, Cinema, Sport, and Game are preset for optimum sound quality at the factory.
 You can also adjust Sound Mode in the Q.MENU.
 Standard: Offers standard-quality sound.
 Music: Optimizes sound for listening to music.
 Cinema: Optimizes sound for watching movies.
 Sport: Optimizes sound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

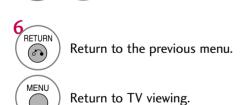
SOUND SETTING ADJUSTMENT - USER MODE

Adjust the sound to suit your taste and room situations.





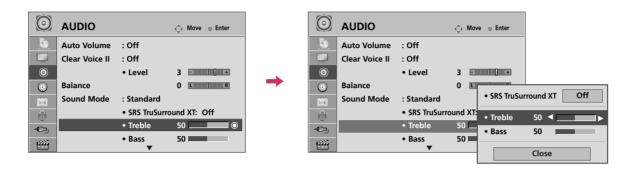
Make appropriate adjustments.

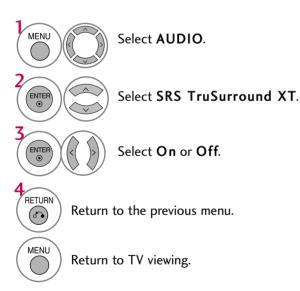


SOUND & LANGUAGE CONTROL

SRS TRUSURROUND XT

Select this option to sound realistic.

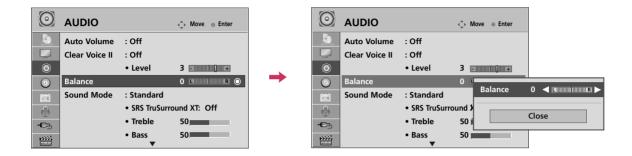


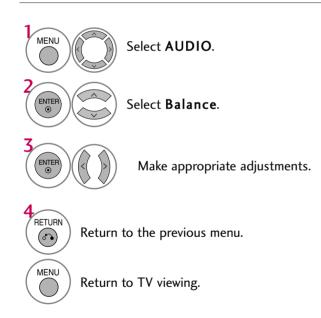


- If sound quality or volume is not at the level you want, it is recommended to use a separate home theater system or amp to cope with different user environments.
- If you select "Clear Voice II-On", SRS TruSurround XT feature will not work.
- SRS TruSurround XT: TruSurround XT is a patented SRS technology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



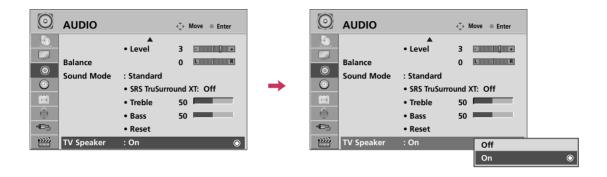


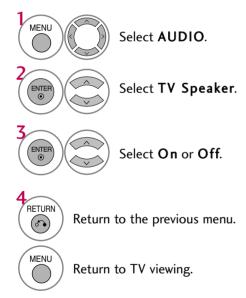
SOUND & LANGUAGE CONTROL

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.

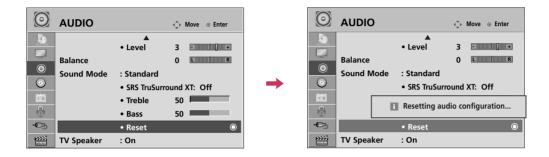
In AV, Component, RGB and HDMI with HDMI to DVI cable, the TV speaker can be operational even when there is no video signal.

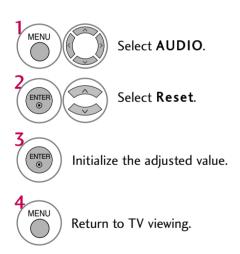




AUDIO RESET

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





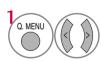
SOUND & LANGUAGE CONTROL

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**.

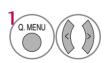


Select Mono, Stereo, or SAP.



Return to TV viewing.

Digital TV



Select Multi Audio.

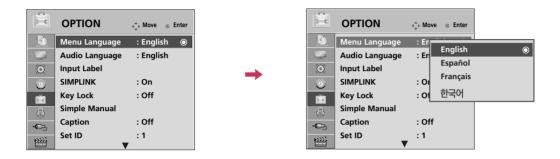


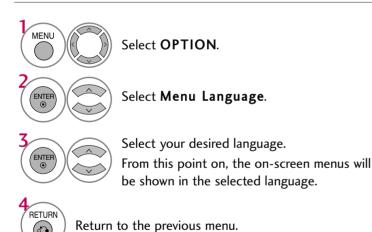
Select other languages.

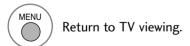


ON-SCREEN MENUS LANGUAGE SELECTION

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







6.0

SOUND & LANGUAGE CONTROL

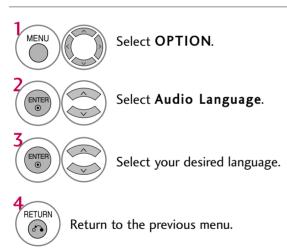
AUDIO LANGUAGE

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

This feature operates only in DTV/CADTV mode.



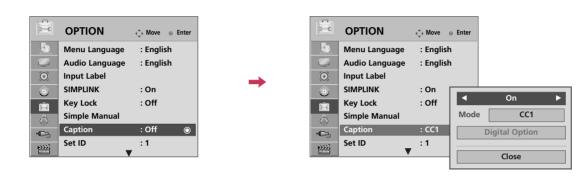


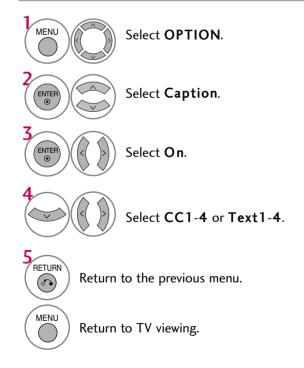


CAPTION MODE

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.

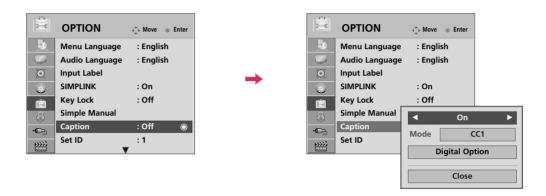
SOUND & LANGUAGE CONTROL

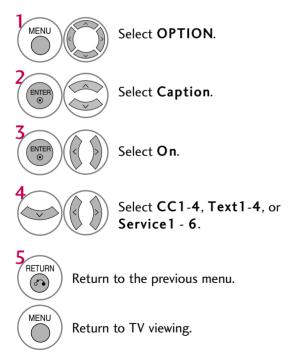
Digital Broadcasting System Captions

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.

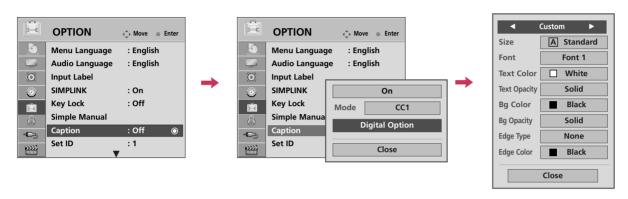


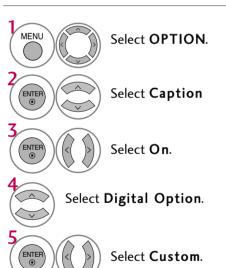


Caption Option

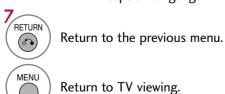
Customize the DTV/CADTV captions that appear on your screen.

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.



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.

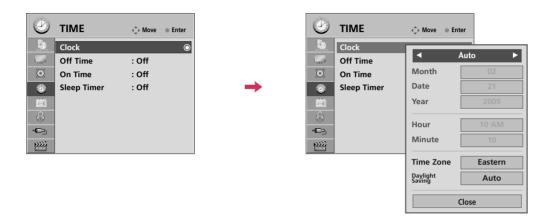
TIME SETTING

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.

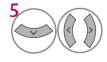


Select Auto.



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).



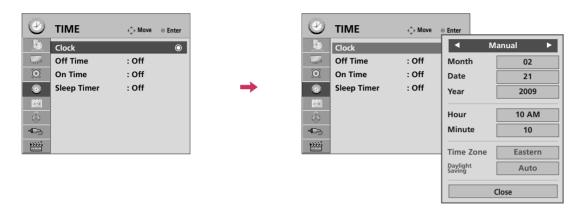
Return to the previous menu.



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.

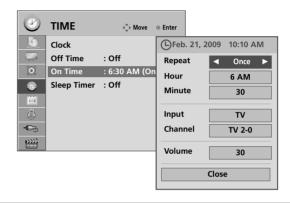
The Off Time function overrides the On Time function if they are both set to the same time.

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.

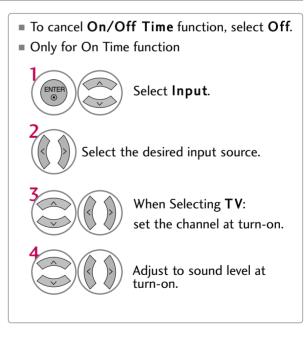






Return to the previous menu.

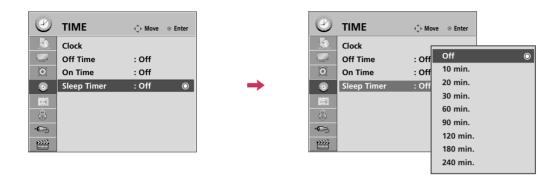
Return to TV viewing.

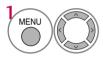


(00)

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.

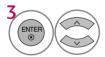




Select **TIME**.



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:

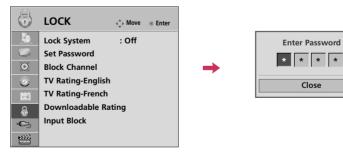
- TV-G (General audience)
- TV-PG (Parental guidance suggested)
- TV-14 (Parents strongly cautioned)
- TV-MA (Mature audience only)
- TV-Y (All children)
- TV-Y7 (Children 7 years older)

SET PASSWORD & LOCK SYSTEM

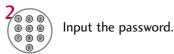
Setting up Your Password

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





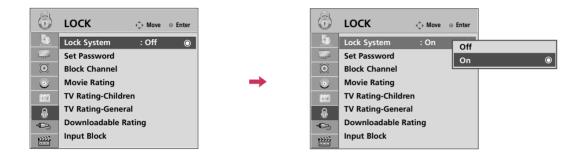


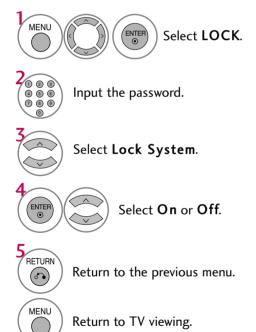


- Enter the password as requested.
- The TV is set up with the initial password "0-0-0-0".

Lock System

Enables or disables the blocking scheme you set up previously.



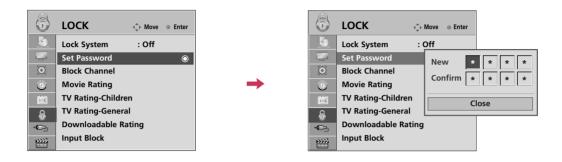


■ When you select **On**, the Lock System is enable.

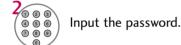
PARENTAL CONTROL / RATINGS

Set Password

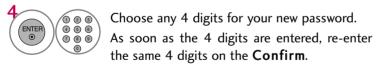
Change the password by inputting a new password twice.

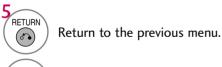


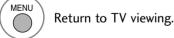






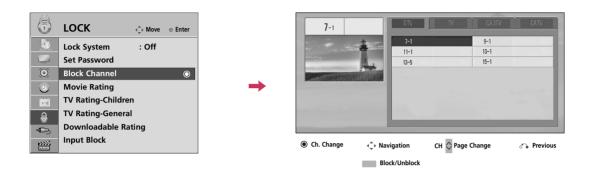






CHANNEL BLOCKING

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.



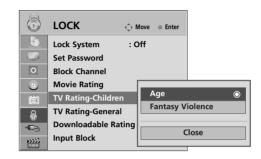
- If Movie Rating, TV Rating-Children or TV Rating-General is locked, enter the password to unlock it temporarily. ■ G (General audience) ■ PG (Parental guidance suggested)
 - PG-13 (Parents strongly cautioned)
 - R (Restricted)
 - NC-17 (No one 17 and under admitted)

 - X (Adult only)
 - 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.





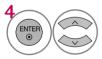




Input the password.



Select TV Rating-Children.



Select Age or Fantasy Violence.



Select block options.



Return to the previous menu.

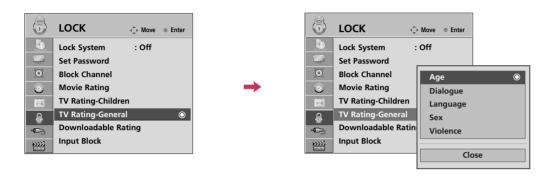


- Age (applies to TV-Y, TV-Y7)
- Fantasy Violence (applies to TV-Y7)

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.



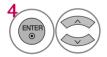




Input the password.



Select TV Rating-General.



Select Age, Dialogue, Language, Sex or Violence.



Select block options.



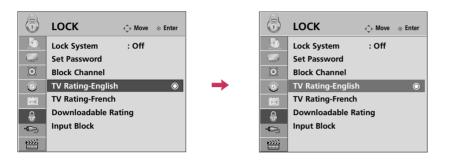
Return to the previous menu.



- 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.









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)

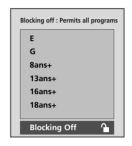
PARENTAL CONTROL / RATINGS

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.

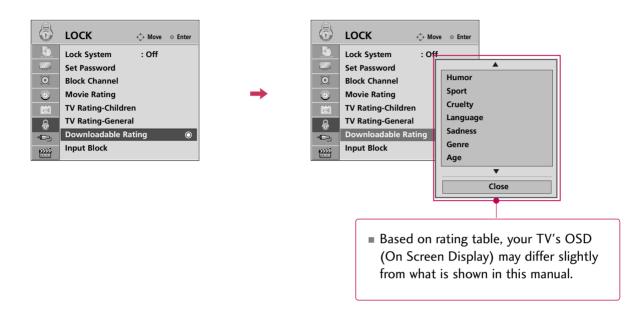


- E (Exempt)■ G (General)
- 8ans+ (General-Not convenient for little children)
- 13ans+ (Not convenient for children of 13 years and younger)
- 16ans+ (Not convenient for children of 16 years and younger)
- 18ans+ (This programs is only for adults)
- Blocking off (Permits all programs)

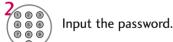
DOWNLOADABLE RATING

This function is available only for digital channels.

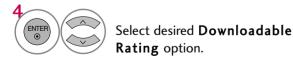
This function operates only when TV has received Region5 Rating data.

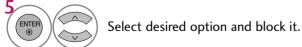


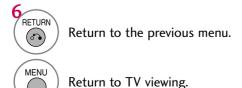










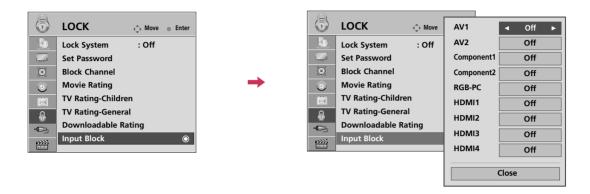


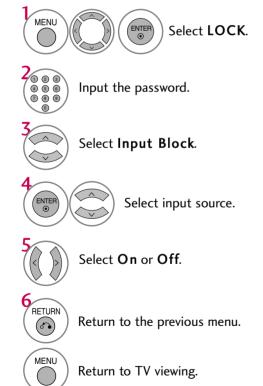
If a Downloadable rating is locked, enter the password to unlock it temporarily.

PARENTAL CONTROL / RATINGS

EXTERNAL INPUT BLOCKING

Enables you to block an input.





APPENDIX

TROUBLESHOOTING

Abnormal Operation	
The remote control doesn't work	 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. Ensure that the batteries are installed with correct polarity (+ to +, - to -). Ensure that the correct remote operating mode is set: TV, VCR etc. Install new batteries.
Power is suddenly turned off	 Is the sleep timer set? Check the power control settings. Power interrupted. If there is no signal, the TV turns off automatically in 15 minutes.

Video Problems	
No picture &No sound	 Check whether the product is turned on. Try another channel. The problem may be with the broadcast. Is the power cord inserted into wall power outlet? Check your antenna direction and/or location. Test the wall power outlet, plug another product's power cord into the outlet where the product's power cord was plugged in.
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	 Adjust Color in menu option. Keep a sufficient distance between the product and the VCR. Try another channel. The problem may be with the broadcast. Are the video cables installed properly? Activate any function to restore the brightness of the picture.
Horizontal/vertical bars or picture shaking	■ Check for local interference such as an electrical appliance or power tool.
Poor reception on some channels	 Station or cable product experiencing problems, tune to another station. Station signal is weak, reorient antenna to receive weaker station. Check for sources of possible interference.
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	 Press the VOL or VOLUME button. Sound muted? Press MUTE button. Try another channel. The problem may be with the broadcast. Are the audio cables installed properly?
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	 Check HDMI cable over version 1.3. Check USB cable over version 2.0. Use normal MP3 file. *This feature is not available for all models.

PC Mode Problems	
The signal is out of range	 Adjust resolution, horizontal frequency, or vertical frequency on the PC. Check the input source.
Vertical bar or stripe on background & Horizontal Noise & Incorrect position	■ Activate the Auto configure feature or adjust clock, phase, or H/V position. (Option)
Screen color is unstable or single color	Check the signal cable.Reinstall the PC video card.
Screen does not work normally when connected to the PC.	■ When connecting the notebook, press the Fn+F7 key on the notebook to select dual view.
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 file of the USB storage device is recognized in the PC. 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.	 Check whether the file is playing normally on a PC. (Check whether the file is damaged.) Check whether the resolution is supported. Check whether the video/audio codec is supported. Check whether the frame rate is supported.
Message is displayed saying "Audio is not supported" or the video is working normally but the audio is not working normally.	 Check whether the file is playing normally on a PC. (Check whether the file is damaged.) Check whether the audio codec is supported. Check whether the bit rate is supported. Check whether the sample rate is supported.
Subtitle is not working.	 Check whether the file is playing normally on a PC. (Check whether the file is damaged.) Check whether the video file and subtitle file name are the same. Check whether the video file and subtitle file are located in the same folder. Check whether the subtitle file is supported. Check whether the language is supported. (When you open the subtitle file in Memo Pad, you can check the language of the subtitle file.)

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		47LH85 (47LH85-UC)	55LH85 (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	46.4 x 30.7 x 4.1 inches 1179.0 x 780.6 x 105.9 mm	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		
V	MODELS	Media Box			
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	Operating Temperature Operating Humidity		F (0 ~ 40°C) an 80%		
condition	Storage Temperature Storage Humidity	-4 ~ 140°F (-20 ~ 60°C) Less than 85%			

[■] 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 ∨	Remote control Button	D4	COMPONENT2	Discrete IR Code
1 E	FAV/MARK	Remote control Button			(Component2 Input Selection)
40	^	Remote control Button	D5	RGB-PC	Discrete IR Code
41	~	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	>	Remote control Button			(Only Zoom Mode)
BA	II	Remote control Button			
8F	44	Remote control Button			
8E	>>	Remote control Button			

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- Izo

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uClibc

MPL LIBRARIES:

■ Nanox

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Version 2.1, February 1999

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Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

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We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the library.

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This option is useful when you wish to copy part of the code of the library into a program that is not a library.

4. You may copy and distribute the library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this license.

However, linking a "work that uses the library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the library), rather than a "work that uses the library". The executable is therefore covered by this license. Section 6 states terms for distribution of such executable.

When a "work that uses the library" uses material from a header file that is part of the library, the object code for the work may be a derivative work of the library even though the source code is not.

Whether this is true is especially significant if the work can be linked without the library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessories, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executable containing this object code plus portions of the library will still fall under Section 6.)

Otherwise, if the work is a derivative of the library, you may distribute the object code for the work under the terms of Section 6. Any executable containing that work also fall under Section 6, whether or not they are linked directly with the library itself.

6. As an exception to the sections above, you may also combine or link a "work that uses the library" with the library to produce a work containing portions of the library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the library is used in it and that the Library and its use are covered by this license. You must supply a copy of this license. If the work during execution displays copyright notices, you must include the copyright notice for the library among them, as well as a reference directing the user to the copy of this license. Also, you must do one of these things:

- a) Accompany the work with the complete corresponding machine-readable source code for the library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the library and then relink to produce a modified executable containing the modified library. (It is understood that the user who changes the contents of definitions files in the library will not necessarily be able to recompile the application to use the modified definitions.)
- b) Use a suitable shared library mechanism for linking with the library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.
- c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6, above, for a charge no more than the cost of performing this distribution.
- d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.
- e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the library together in an executable that you distribute.

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Version 1.1

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