

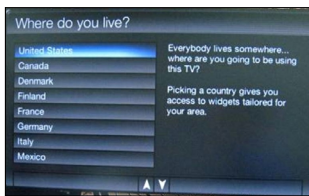
## YAHOO!WIDGETS

You can enjoy widget on your TV and available to select a useful snippets in dock,at the bottom of your TV. These snippets contain updated weather, sports score, updated stock, and view photo/video.

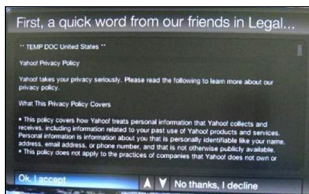
## OOBE (Out-of-Box-Experience)



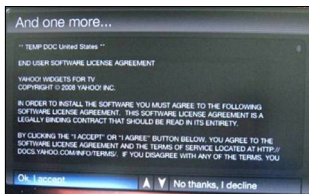
- 1  Display the Yahoo!Widgets. Start Widgets setting.



- 2  Select your country.



- 3  Select **Ok, I accept.**



- 4  Select **Ok, I accept.**



- 5  Select the alphabet.

- 6  Select **Save this name.**



- 7  Select **Ok, I accept.**



Tutorial 1

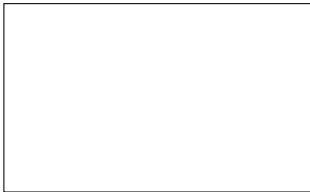


Choose any of the menu items

Tutorial 2



Tutorial 3



Tutorial 4



Tutorial 5



Red button: Close the widget.

Green button: Change the widget's settings.

Yellow button: Manage your snippets.

Blue button: Size video to fit, or make it fullscreen.

Tutorial 6



If you want to run this step again, select "Replay introduction" from the Profile widget at any time.

## Available Widgets



?

- ▶ **Flicker:**
- ▶ **Finance:**
- ▶ **Gallery:**
- ▶ **News:**
- ▶ **Weather:** When pressing the Yellow button in the dock, you can select the Weather widget.

## Setting Widgets



L/R button: Select snippet.

U/D

Enter button: Enter the selected widget.

Blue button: Change viewport.

Yellow: Move/Delete the selected widget.

Yahoo: Slide out the dock.

Menu: Show the Menu.

Button	Operation
Yahoo (Widgets)	Show the DOCK.
up/down	Move to sub menu highlight.
enter	Show Snippets.
menu	Return to MENU OSD
back/red	Exit Yahoo mode.
red	Close the widget.
green	Enter to weather widget setting mode
blue	Change viewport (aspect ratio)
Left/right	Move between snippets in the dock
Yellow	Edit snippets

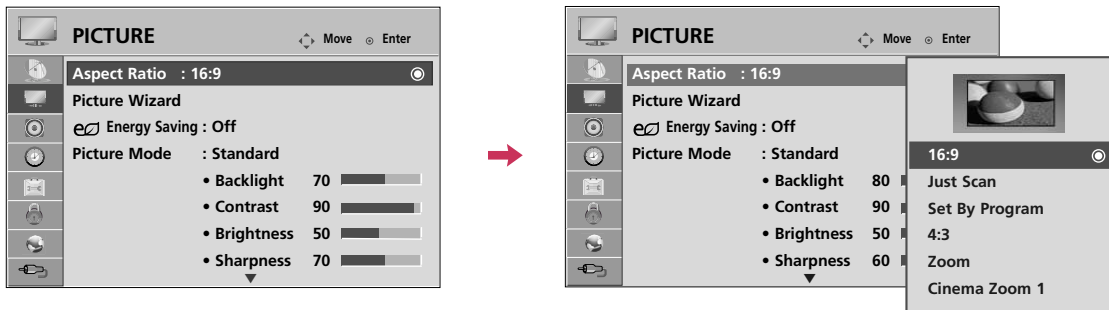









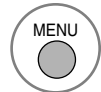
# PICTURE CONTROL

## PICTURE SIZE (ASPECT RATIO) CONTROL

This feature lets you choose the way an analog picture with a 4:3 aspect ratio is displayed on your TV.

- RGB-PC input source use 4:3 or 16:9 aspect ratio.



-   Select **PICTURE**.
-   Select **Aspect Ratio**.
-   Select the desired picture format.
-  Return to the previous menu.
-  Return to TV viewing.

- You can also adjust **Aspect Ratio** in the **Q.MENU**.
- Press the **RATIO** button repeatedly to select the desired picture format.

## 16:9

Adjust the picture horizontally, in a linear proportion to fill the entire screen.



## Just Scan

Normally the edges of video signals are cropped 1-2%. Just Scan turns off this cropping and shows the complete video.

Notes: If there is noise on the edges of the original signal, it will be visible when Just Scan is activated.

**Just Scan** operates only in DTV/CADTV/Component/HDMI-DTV/DVI-DTV (720p/1080i/1080p) input source.



## Set By Program

Selects the proper picture proportion to match the source's image.

(4:3 → 4:3)



(16:9 → 16:9)



## 4:3

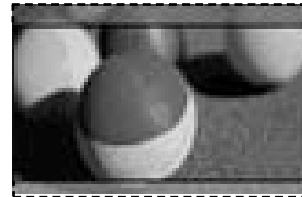
Choose 4:3 when you want to view a picture with an original 4:3 aspect ratio.



## Zoom

Choose Zoom when you want to view the picture without any alteration. However, the top and bottom portions of the picture will be cropped.

- When adjusting in Q.MENU menu,
  - a. < or > button: Adjust proportion of Zoom.
  - b. ^ or v button: Move the image on the screen.



## Cinema Zoom

Choose Cinema Zoom when you want to enlarge the picture in correct proportion.

Note: When enlarging or reducing the picture, the image may become distorted.

- < or > button: Adjust proportion of Cinema Zoom. The adjustment range is 1-16.
- ^ or v button: Move the image on the screen.



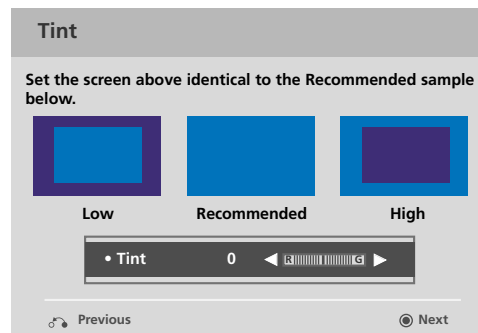
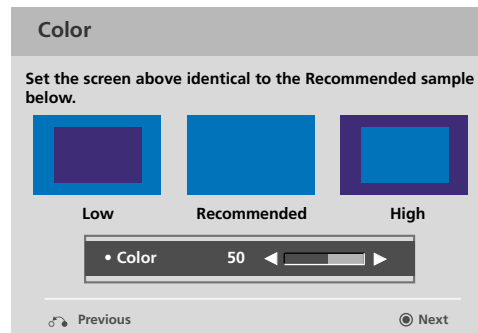
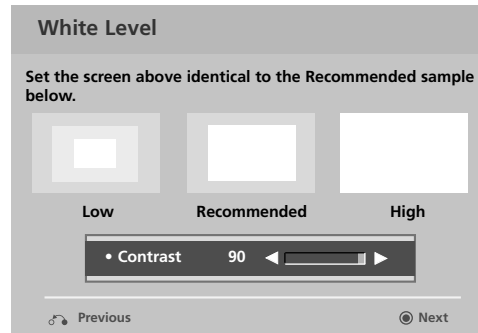
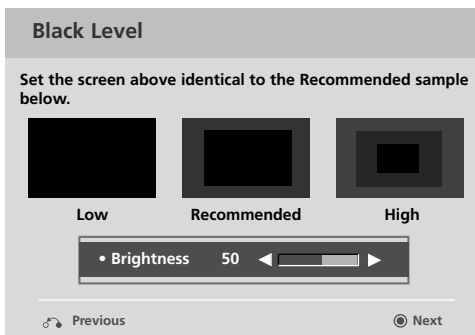
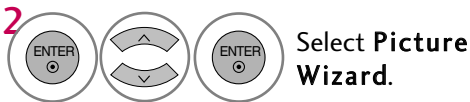
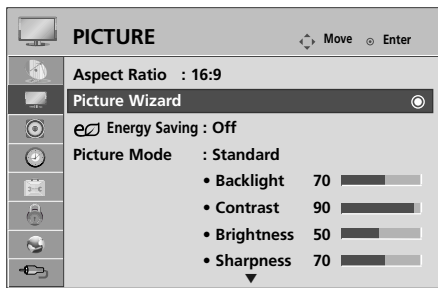
# PICTURE CONTROL

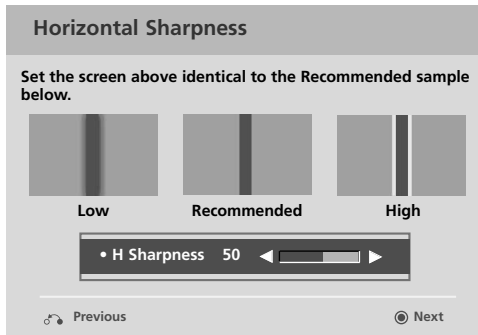
## PICTURE WIZARD

This feature lets you adjust the picture quality of the original image.

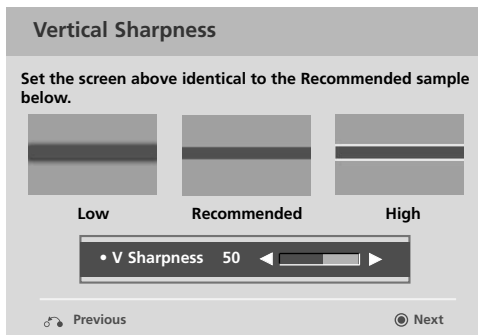
Use this to calibrate the screen quality by adjusting the Black and White Level etc. You can calibrate the screen quality by easily following each step.

When you adjust the image to **Low**, **Recommended** or **High**, you can see the example of the changes you made.



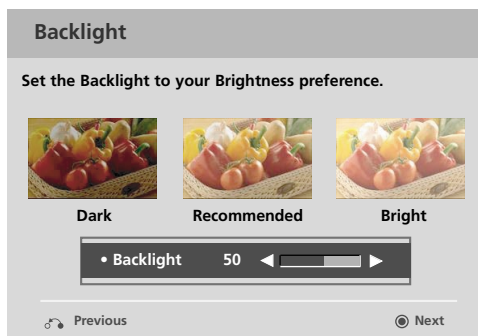


**8**   **Adjust Horizontal Sharpness.**

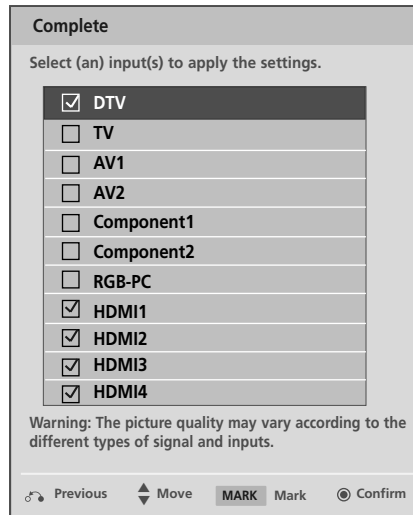




**9**   **Adjust Vertical Sharpness.**

For LCD TV

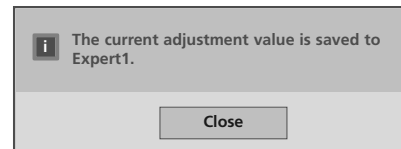



**10**   **Adjust Backlight.**



**11**   **Select input source to apply the settings.**

**12**  **Save.**



**13**  **Finish the Picture Wizard.**

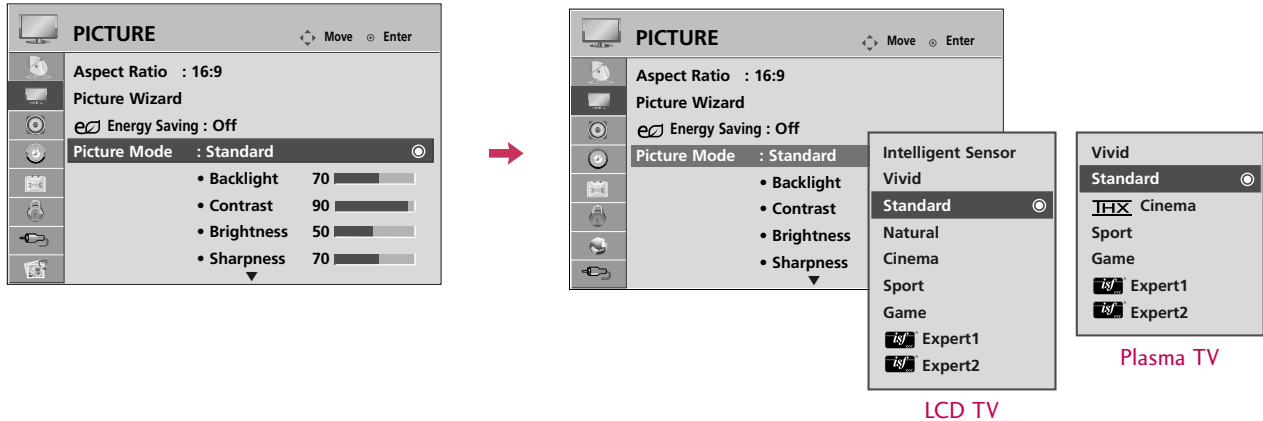
- If you stop the setting before the final step, the changes will not be saved to the TV.
- Once the **Picture Wizard** sets the picture quality, **Energy Saving** is changed to **Off** automatically.











# PICTURE CONTROL

## PRESET PICTURE SETTINGS (PICTURE MODE)

There are factory presets for picture settings available in the user menus. You can use a preset, change each setting manually, or use the Intelligent Sensor.



- 1   Select **PICTURE**.
- 2   Select **Picture Mode**.
- 3  

**Plasma TV:** Select **Vivid, Standard, THX Cinema, Sport, or Game.**  
**LCD TV:** Select **Intelligent Sensor, Vivid, Standard, Natural, Cinema, Sport, or Game.**
- 4  Return to the previous menu.
-  Return to TV viewing.













- **Vivid, Standard, Natural, Cinema, Sport, and Game** Settings are preset for the optimum picture quality at the factory.
- **Vivid:** This is the mode to maximize the effect of the video in the retail store. Strengthen the contrast, brightness, color and sharpness for vivid picture.
- **Standard:** This is the mode to realize optimum viewing condition for the general user.
- **Natural:** This is the mode to display the most natural screen status.
- **Cinema:** This mode optimizes video for watching movies.
- **Sport:** This is the video mode to emphasize dynamic video and primary color (e.g, white, uniform, grass, sky blue etc.) by realizing the optimal screen for sports.
- **Game:** This is the mode to realize fast response speed in a fast gaming screen.
- **Expert:** This is the mode to adjust the video in detail for video quality expert and general user.
- You can also adjust **Picture Mode** in the **Q.MENU**.

- When selecting **Intelligent Sensor**, **Energy Saving** is changed to **Auto** automatically.
- When selecting **Intelligent Sensor**, it is changed contrast, brightness, sharpness, color and tint automatically.
- **Intelligent Sensor:** The most suitable picture is automatically adjusted according to the surrounding conditions.
- **THX Cinema:** This is cinema quality mode to provide you the experience of watching a movie at home. The user will be able enjoy the best level of satisfactory screen quality in any movie without any separate adjustments. **THX Cinema** expresses the optimal screen quality when it is darkest.
- When selecting **THX Cinema**, Aspect ratio changes to Just scan.

# MANUAL PICTURE ADJUSTMENT - USER MODE

Adjust the picture appearance to suit your preference and viewing situations.  
This feature is disabled in “Picture Mode- ~~THX~~ Cinema” (For Plamsa TV).



- 1   Select **PICTURE**.
- 2   Select **Picture Mode**.
- 3   Select **Vivid, Standard, Natural, Cinema, Sport, or Game**.
- 4   Select **Backlight (For LCD TV), Contrast, Brightness, Sharpness, Color, or Tint**.
- 5   Make appropriate adjustments.
- 6  Return to the previous menu.
-  Return to TV viewing.

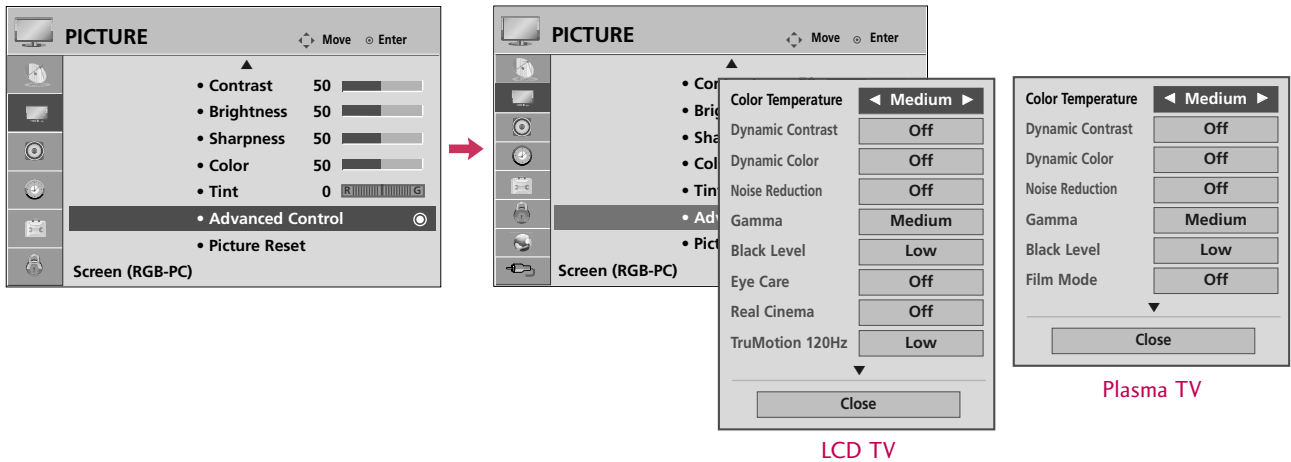
- When adjusting Energy Saving, **Backlight** function is disabled.
- **Backlight** (For LCD TV): This function adjusts the brightness of LCD panel, to control the brightness of the screen. Adjusting the backlight is recommended when setting the brightness of the set. When decreasing the backlight, the brightness of the black becomes darker without any loss in video signal and the power consumption is reduced.
- **Contrast**: Increase or decrease the gradient of the video signal. You may use Contrast when the bright part of picture is saturated.
- **Brightness**: Adjusts the base level of the signal in the picture. You may use Brightness when the dark part of the picture is saturated.
- **Sharpness**: Adjusts the level of crispness in the edges between the light and dark areas of the picture. The lower the level, the softer the image.
- **Color**: Adjusts intensity of all colors.
- **Tint**: Adjusts the balance between red and green levels.










# PICTURE CONTROL

## PICTURE IMPROVEMENT TECHNOLOGY

You can calibrate the screen for each Picture Mode or set the video value according to the special video screen. You can set the video seeing differently for each input.

To reset to the factory default after making adjustments to each input source, execute the **Picture Reset** function for each Picture Mode.

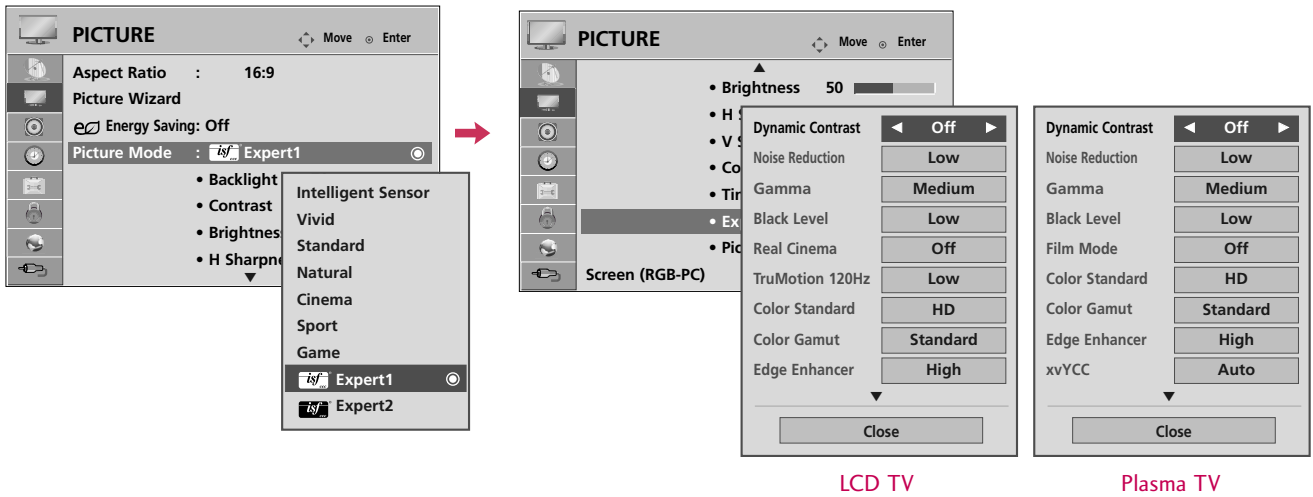


- 1   Select **PICTURE**.
- 2   Select **Advanced Control**.
- 3   Select your desired options.
- 4  Make appropriate adjustments.
- 5  Return to the previous menu.
-  Return to TV viewing.

















# EXPERT PICTURE CONTROL

By segmenting categories, **Expert1** and **Expert2** provide more categories which users can set as they see fit, offering the optimal picture quality for users.

This may also be used by a professional to help optimize the TV performance in the environment the TV is in.



PICTURE CONTROL

- 1   Select **PICTURE**.
- 2   Select **Picture Mode**.
- 3   Select  **Expert1** or  **Expert2**.
- 4   Select **Expert Control**.
- 5   Select your desired menu option.
- 6   Make appropriate adjustments.
- 7  Return to the previous menu.
-  Return to TV viewing.

# PICTURE CONTROL

Color Temperature	<ul style="list-style-type: none"> <li>■ Set to warm to enhance hotter colors such as red, or set to cool to make picture bluish.</li> </ul>
Dynamic Contrast	<ul style="list-style-type: none"> <li>■ Adjusts the contrast to keep it at the best level according to the brightness of the screen. The picture is improved by making bright parts brighter and dark parts darker.</li> </ul>
Dynamic Color	<ul style="list-style-type: none"> <li>■ Adjusts screen colors so that they look livelier, richer and clearer. This feature enhances hue, saturation and luminance so that red, blue, green and white look more vivid.</li> </ul>
Noise Reduction	<ul style="list-style-type: none"> <li>■ Reduces screen noise without compromising video quality.</li> </ul>
Gamma	<p><i>Low : Make dark and middle gray level area of the picture brighter.</i>  <i>Medium: Express original picture levels.</i>  <i>High: Make dark and middle gray level area of the picture darker.</i></p> <ul style="list-style-type: none"> <li>■ You can adjust brightness of dark area and middle gray level area of the picture.</li> </ul>
Black Level	<p><i>Low: The reflection of the screen gets darker.</i>  <i>High: The reflection of the screen gets brighter.</i>  <i>Auto: Realizing the black level of the screen and set it to High or Low automatically.</i></p> <ul style="list-style-type: none"> <li>■ Set black level of the screen to proper level.</li> <li>■ This function enables to select 'Low' or 'High' in the following mode: AV (NTSC-M), HDMI or Component. Otherwise, 'Black level' is set to 'Auto'.</li> </ul>
Eye Care (For LCD TV)	<ul style="list-style-type: none"> <li>■ Adjust the brightness of the screen to prevent the screen from being too bright. Dims extremely bright pictures.</li> <li>■ This feature is disabled in "<b>Picture Mode-Vivid, Cinema, Intelligent Sensor(For LCD TV)</b>".</li> </ul>
Real Cinema or Film Mode	<ul style="list-style-type: none"> <li>■ Makes video clips recorded in film look more natural by eliminating judder effect.</li> <li>■ DVD and Blu-ray movies are filmed at 24 frames per second. With LG Real Cinema, every frame is consistently processed 5 times in 1/24 of a second producing 120 fps with TruMotion or 2 times in 1/24 of a second producing 48 fps without TruMotion, thus totally eliminating the judder effect.</li> </ul>
TruMotion 120Hz (For LCD TV)	<p><i>High: Provides smoother picture movement.</i>  <i>Low: Provides smooth picture movement. Use this setting for standard use.</i>  <i>Off: Use this setting when "High" and "Low" setting result in noise.</i></p> <ul style="list-style-type: none"> <li>■ TruMotion120Hz provides even better quality for movies than 3:2 Pull-Down conversions.</li> <li>■ TruMotion can reduce the perception of blur on fast moving scenes by displaying 120 images per second.</li> <li>■ It is used for the best picture quality without any motion blur or judder when you enter a quick image or Film Source.</li> <li>■ TruMotion120Hz works with all inputs except PC mode.</li> <li>■ If you enable "TruMotion 120Hz", noise may appear on the screen. If this occurs, set "TruMotion 120Hz" to "Off".</li> </ul>

Color Gamut	<p><i>Standard: Displays standard color area.</i></p> <p><i>Wide: Mode to use and set the rich color area of the display.</i></p> <ul style="list-style-type: none"> <li>■ Maximize the utilization of color to increase color quality.</li> </ul>
Edge Enhancer	<ul style="list-style-type: none"> <li>■ Show clearer and distinctive yet natural corners of the video.</li> </ul>
Color Standard	<ul style="list-style-type: none"> <li>■ Convert the color of a different video to HD color.</li> </ul>
Color Filter	<ul style="list-style-type: none"> <li>■ 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.</li> </ul>
xvYCC	<ul style="list-style-type: none"> <li>■ This is the function to express richer color.</li> <li>■ This feature represents rich color as much as conventional video signal.</li> <li>■ This function is enabled in "<b>Picture mode - Cinema, Expert</b>" when xvYCC signal is inputted through HDMI.</li> </ul>
Expert Pattern	<ul style="list-style-type: none"> <li>■ This is the pattern necessary for expert adjustment.</li> <li>■ This function is enabled in "<b>Picture Mode - Expert</b>" when you watch DTV.</li> </ul>
White Balance	<ul style="list-style-type: none"> <li>■ This is the function to adjust the overall color of the screen to the feeling you want. <ul style="list-style-type: none"> <li>a. Method : 2 Points <ul style="list-style-type: none"> <li>- Pattern: Inner, Outer</li> <li>- Red/Green/Blue Contrast, Red/Green/Blue Brightness: The adjustment range is -50 - +50.</li> </ul> </li> <li><i>LCD TV</i></li> <li>b. Method : 10 Point IRE <ul style="list-style-type: none"> <li>- Pattern: Inner, Outer</li> <li>- 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.</li> <li>- 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.</li> <li>- Red/Green/Blue: The adjustment range is -50 - +50.</li> </ul> </li> <li><i>Plasma TV</i></li> <li>b. Method : 20 Point IRE <ul style="list-style-type: none"> <li>- IRE (Institute of Radio Engineers) is the unit to display the size of the video signal and can be set among 5, 10, 15 - 100 Plasma TV. You can adjust Red, Green or Blue according to each setting.</li> <li>- Red/Green/Blue: The adjustment range is -50 - +50.</li> </ul> </li> </ul> </li> </ul>
Color Management System	<ul style="list-style-type: none"> <li>■ 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.</li> </ul> <p>Adjusts Red/Green/Blue/Yellow/Cyan, Magenta.</p> <ul style="list-style-type: none"> <li>- Red/Green/Blue/Yellow/Cyan, Magenta Color: The adjustment range is -30 - +30.</li> <li>- Red/Green/Blue/Yellow/Cyan, Magenta Tint: The adjustment range is -30 - +30.</li> <li>- This feature is disable in RGB-PC and HDMI-PC mode.</li> </ul>
OPC	<p><i>*This feature is not available for all models.</i></p> <ul style="list-style-type: none"> <li>■ As the technology to reduce the power consumption while keeping the same brightness, this has the effect of reducing power consumption, improvement in contrast.</li> </ul>

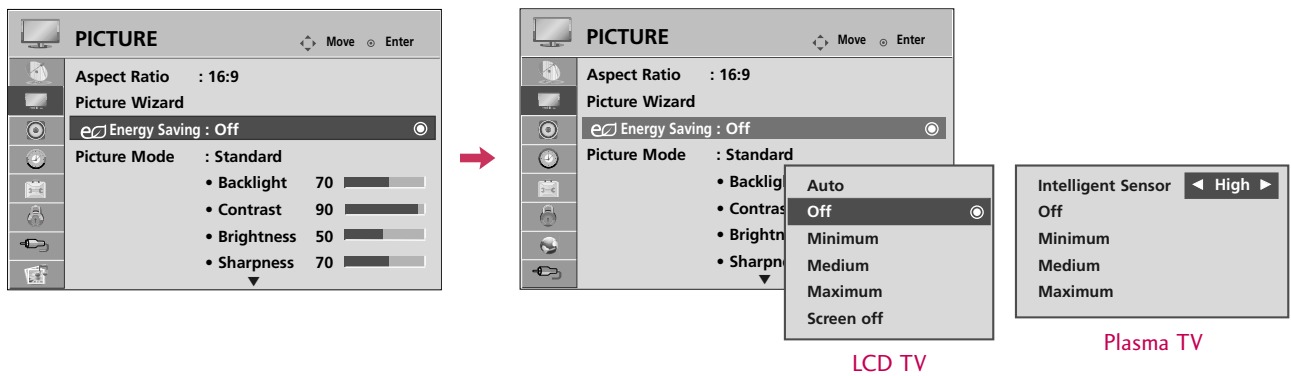
# PICTURE CONTROL

## 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**.





PICTURE CONTROL

- 1   Select **PICTURE**.
- 2   Select **Energy Saving**.
- 3   **Plasma TV**: Select **Intelligent Sensor, Off, Minimum, Medium, or Maximum**.

*\*When selecting Intelligent Sensor*  
 Select **Low, Middle, or High**.

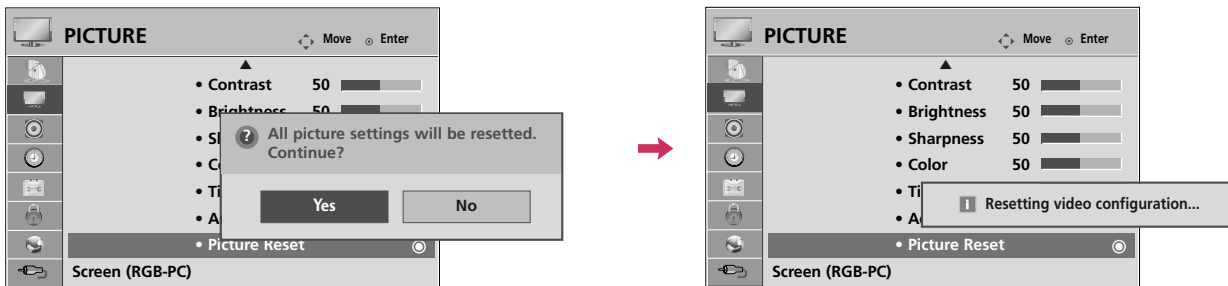
**LCD TV**: Select **Auto, Off, Minimum, Medium, Maximum, or Screen Off**.









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

- 4  Return to the previous menu.
-  Return to TV viewing.

# PICTURE RESET

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



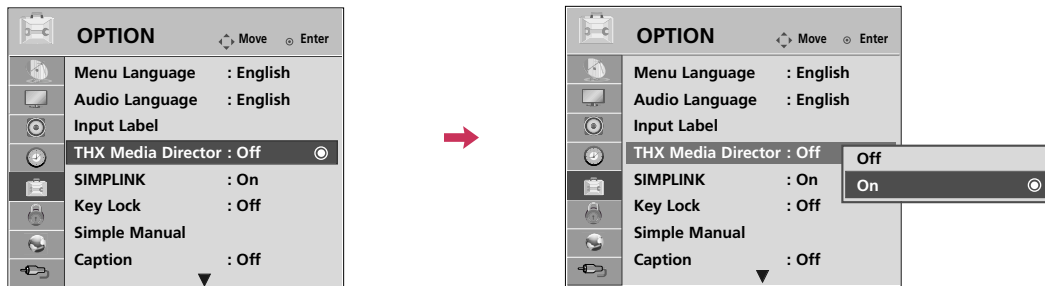
-   Select **PICTURE**.
-   Select **Picture Reset**.
-   Select **Yes**.
-  Initialize the adjusted value.
-  Return to TV viewing.



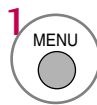
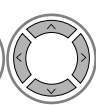

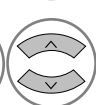

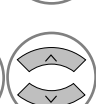

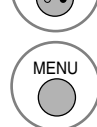
# PICTURE CONTROL

## THX MEDIA DIRECTOR - For Plasma TV

?

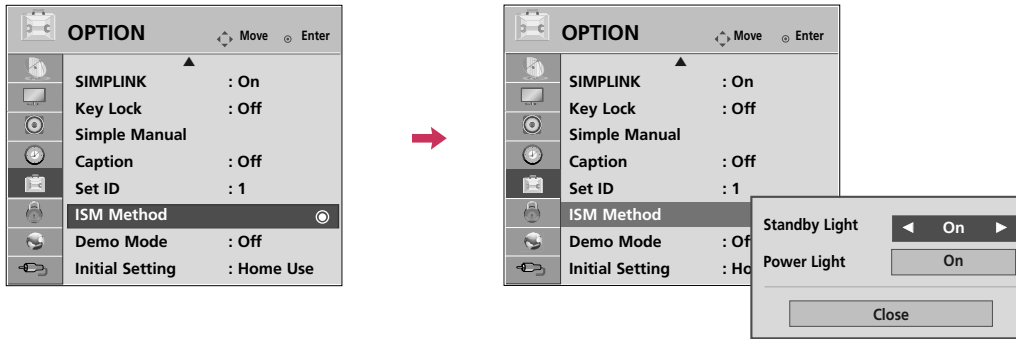










PICTURE CONTROL

-   Select **OPTION**.
-   Select **THX Media Director**.
-   Select **On** or **Off**.
-  Return to the previous menu.
-  Return to TV viewing.

## IMAGE STICKING MINIMIZATION (ISM) METHOD - For Plasma TV

A frozen still picture displayed on the screen for prolonged periods can result in a ghost image. You can use Orbiter to help prevent image sticking. The other two functions are for removing a ghost image.



- 1   Select **OPTION**.
- 2   Select **ISM Method**.
- 3   Select **Normal, Orbiter, Color Wash,** or **White Wash**.
- 4  Return to the previous menu.
-  Return to TV viewing.

- **Normal:** If image sticking is never a problem, ISM is not necessary - set to Normal.
- **Orbiter:** Orbiter may help prevent ghost images. However, it is best not to allow any fixed image to remain on the screen. To avoid a ghost image on the screen, the image will move every 2 minutes.
- **Color Wash:** The color block with the screen moved a little and the white pattern are alternately displayed. It is difficult to see the after image on all colors. Once it has been corrected it will not be visible in any color.
- **White Wash:** White Wash removes ghost images from the screen. Use sparingly. Watch the TV normally for a while before using this feature to see if the ghost image disappears on its own.

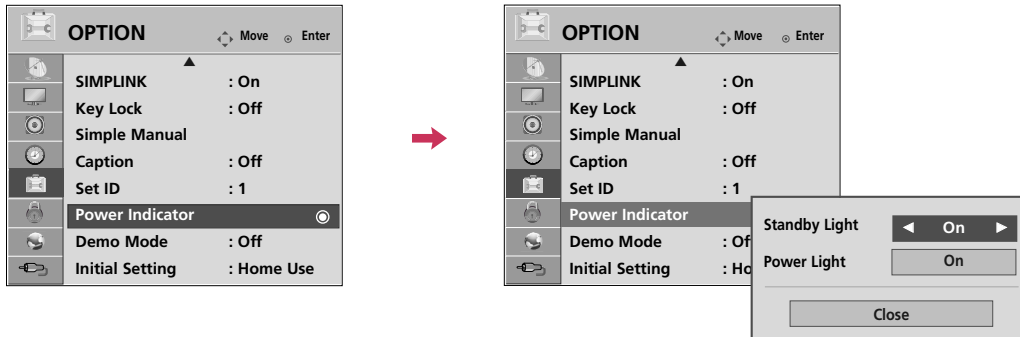
### ! NOTE

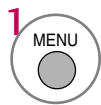
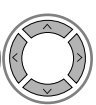







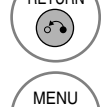
- ▶ An excessive ghosted image may be impossible to clear entirely with White Wash. To return to normal viewing, press the any button.

# PICTURE CONTROL

## POWER INDICATOR - For LCD TV

Adjust the power/standby indicator light of TV front.

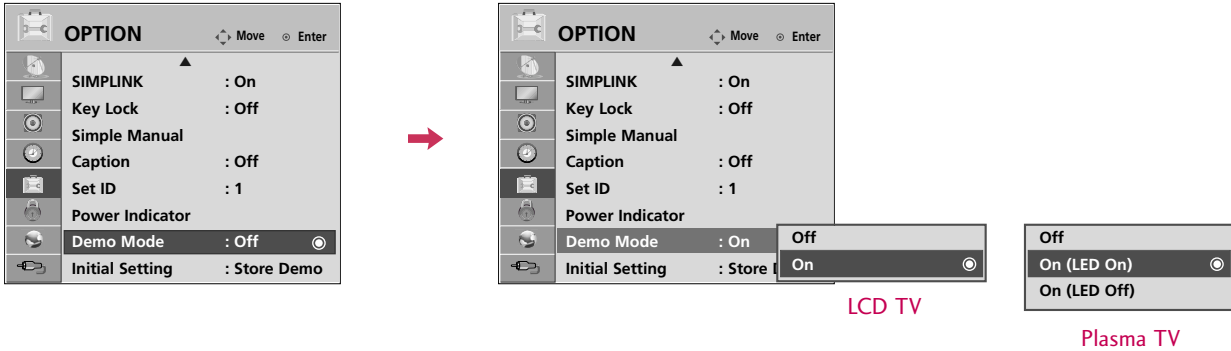


-   Select **OPTION**.
-   Select **Power Indicator**.
-   Select **Standby Light** or **Power Light**.
-   Select your desired options.
-  Return to the previous menu.
-  Return to TV viewing.

- **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.

# DEMO MODE

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



1 Select **OPTION**.

2 Select **Demo Mode**.

3 **Plasma TV**: Select **LED On** or **LED Off** to show the various feature of the TV.

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

4 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).

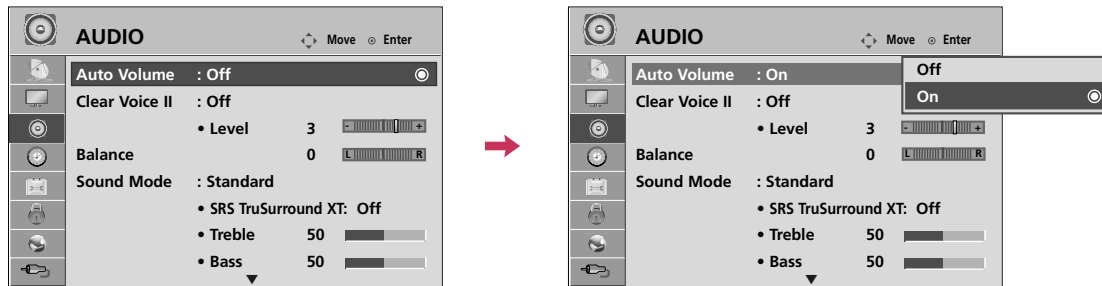
- This feature is disabled in "Initial Setting-Home Use".
- LED On: ?
- LED Off: ?









# 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.

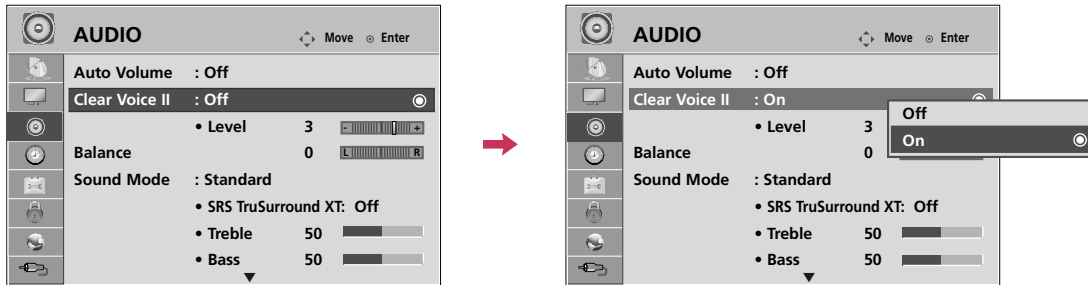
Because each broadcasting station has its own signal conditions, volume adjustment may be needed every time the channel is changed. This feature allows users to enjoy stable volume levels by making automatic adjustments for each program.



-   Select **AUDIO**.
-   Select **Auto Volume**.
-   Select **On** or **Off**.
-  Return to the previous menu.
-  Return to TV viewing.

# CLEAR VOICE II

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





1   Select **AUDIO**.


2   Select **Clear Voice II**.


3   Select **On** or **Off**.

## Adjustment for Clear Voice Level With selecting **On**

4   Select **Level**.

5   Make appropriate adjustments.

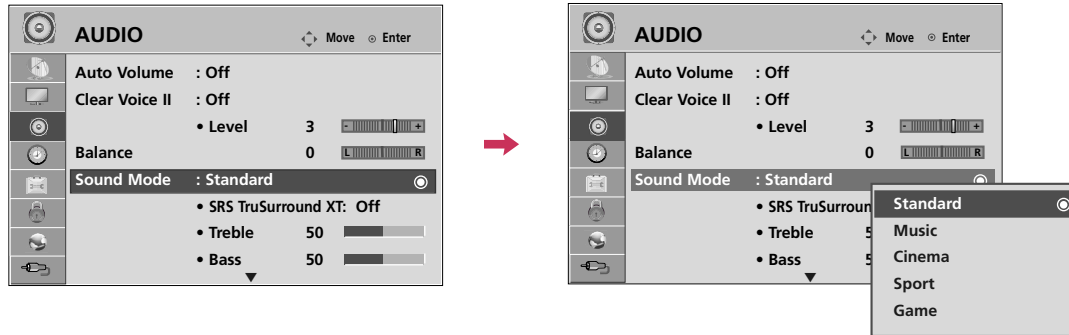
6  Return to the previous menu.









 Return to TV viewing.

# SOUND & LANGUAGE CONTROL

## PRESET SOUND SETTINGS (SOUND MODE)

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

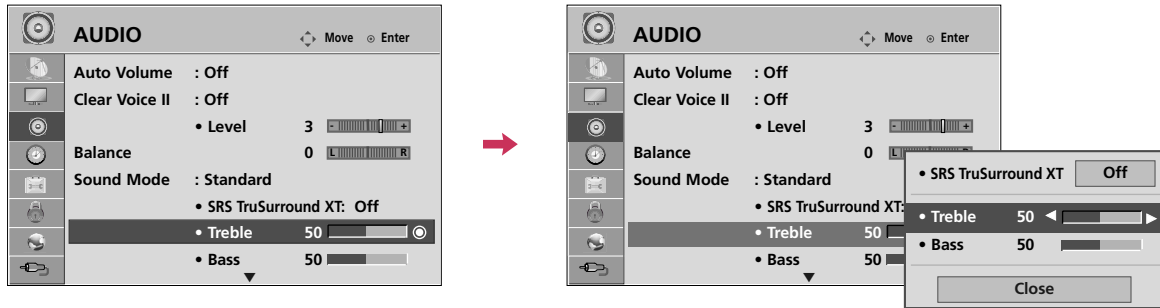


-   Select **AUDIO**.
-   Select **Sound Mode**.
-   Select **Standard, Music, Cinema, Sport, or Game**.
-  Return to the previous menu.
-  Return to TV viewing.

- **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.



- 1 Select **AUDIO**.
- 2 Select **Sound Mode**.
- 3 Select **Standard, Music, Cinema, Sport, or Game**.
- 4 Select **Treble or Bass**.

- 5 Make appropriate adjustments.
- 6 Return to the previous menu.
- Return to TV viewing.

## SRS TRUSURROUND XT

Select this option to sound realistic.

- 1 Select **AUDIO**.
- 2 Select **SRS TruSurround XT**.
- 3 Select **On or Off**.
- 4 Return to the previous menu.
- Return to TV viewing.

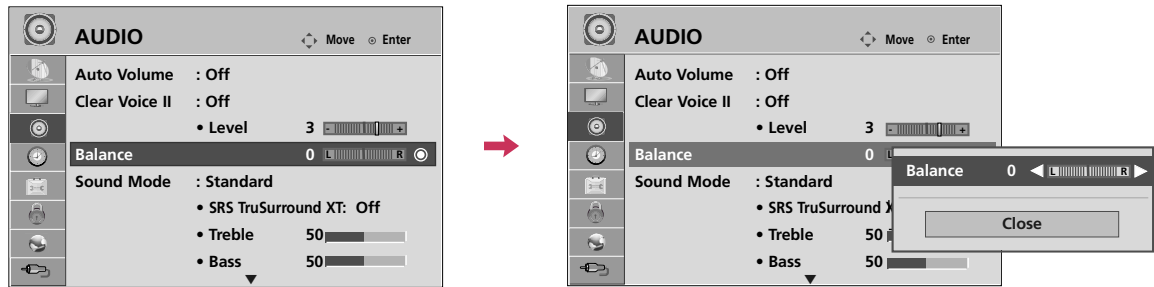
- If sound quality or volume is not at the level you want, it is recommended to use a separate home theater system or amp to cope with different user environments.
- If you select “**Clear Voice II-On**”, **SRS TruSurround XT** feature will not work.
- **SRS TruSurround XT**: TruSurround XT is a patented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




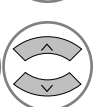

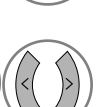

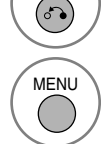


# SOUND & LANGUAGE CONTROL

## BALANCE

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



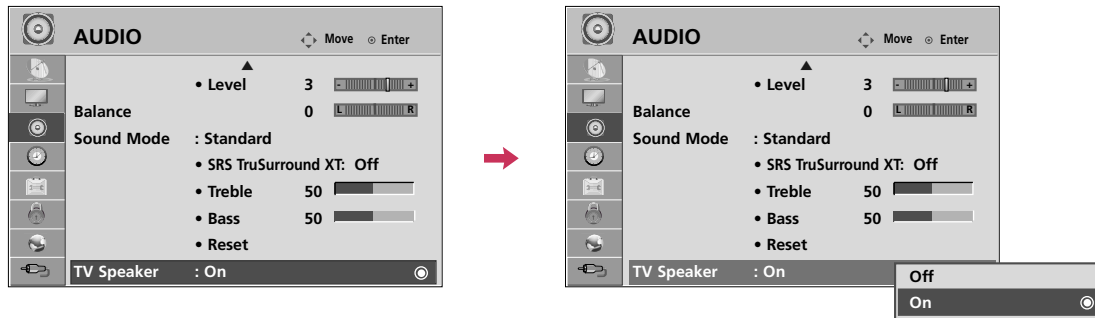
-   Select **AUDIO**.
-   Select **Balance**.
-   Make appropriate adjustments.
-  Return to the previous menu.
-  Return to TV viewing.









## TV SPEAKERS ON/OFF SETUP

Turn the TV speakers off if using external audio equipment.

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

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

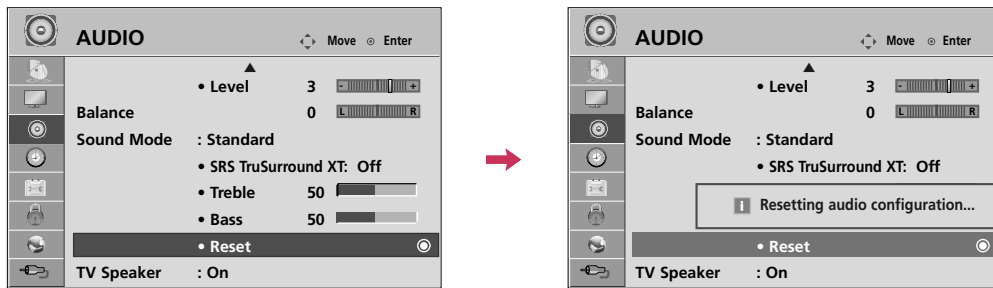








-   Select **AUDIO**.
-   Select **TV Speaker**.
-   Select **On** or **Off**.
-  Return to the previous menu.
-  Return to TV viewing.

# SOUND & LANGUAGE CONTROL

## AUDIO RESET

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



-   Select **AUDIO**.
-   Select **Reset**.
-  Initialize the adjusted value.
-  Return to TV viewing.

## STEREO/SAP BROADCAST SETUP


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



### Analog TV


1   Select **SAP**.


2  Select **Mono, Stereo, or SAP**.

3  Return to TV viewing.

### Digital TV

1   Select **Multi Audio**.

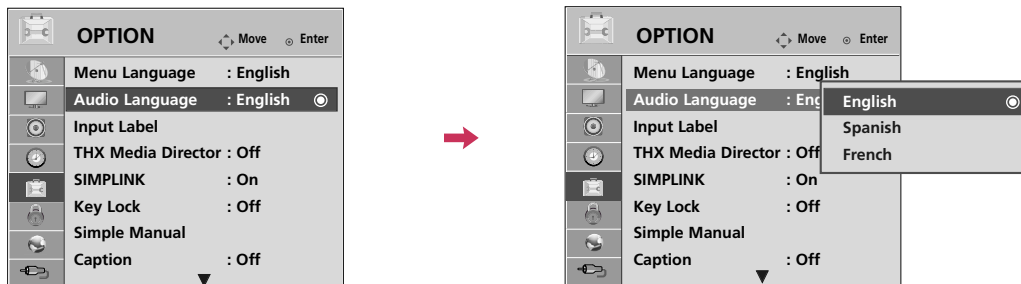
2  Select other languages.

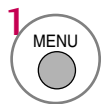


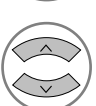

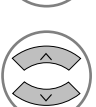

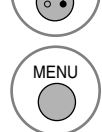
3  Return to TV viewing.

# 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.











-   Select **OPTION**.
-   Select **Audio Language**.
-   Select your desired language.
-  Return to the previous menu.
-  Return to TV viewing.

# ON-SCREEN MENUS LANGUAGE SELECTION

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



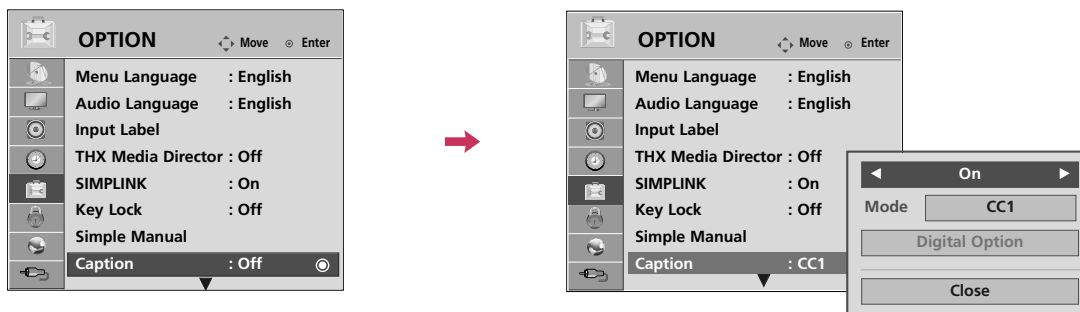
- 1   Select **OPTION**.
- 2   Select **Menu Language**.
- 3   Select your desired language.  
From this point on, the on-screen menus will be shown in the selected language.
- 4  Return to the previous menu.
-  Return to TV viewing.











# SOUND & LANGUAGE CONTROL

## CAPTION MODE

### Analog Broadcasting System Captions

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



- 1   Select **OPTION**.
- 2   Select **Caption**.
- 3   Select **On**.
- 4   Select **CC1-4** or **Text1-4**.
- 5  Return to the previous menu.
-  Return to TV viewing.

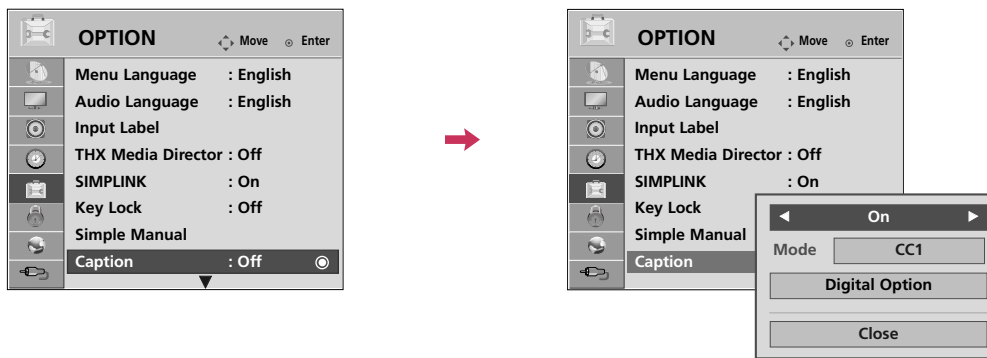
- When selecting **Off**, Sub-menus for Analog, DTV, and Digital Option become disabled.
- **CAPTION**  
The term for the words that scroll across the bottom of the TV screen; usually the audio portion of the program provided for the hearing impaired.
- **TEXT**  
The term for the words that appear in a large black frame and almost cover the entire screen; usually messages provided by the broadcaster.











## Digital Broadcasting System Captions

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

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

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



- 1   Select **OPTION**.
- 2   Select **Caption**.
- 3   Select **On**.
- 4   Select **CC1-4, Text1-4, or Service1 - 6**.
- 5  Return to the previous menu.
-  Return to TV viewing.

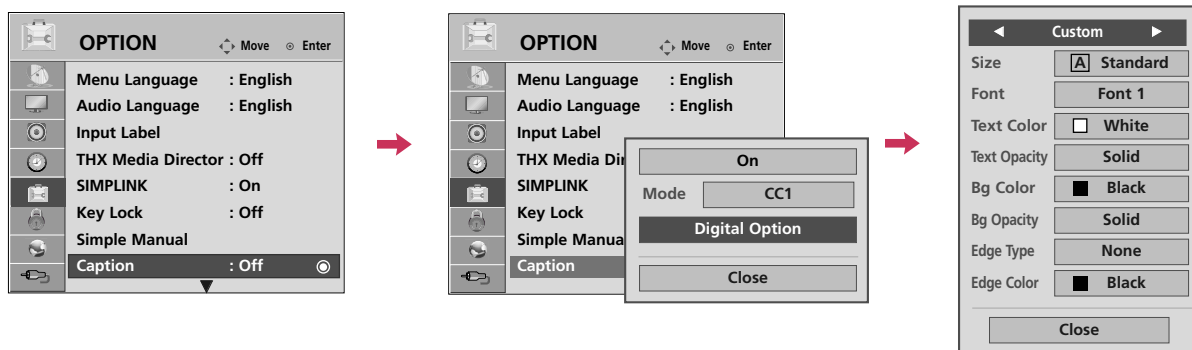
















# SOUND & LANGUAGE CONTROL

## Caption Option

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

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



- 1   Select **OPTION**.
- 2   Select **Caption**
- 3   Select **On**.
- 4   Select **Digital Option**.
- 5   Select **Custom**.
- 6   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.
- 7  Return to the previous 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

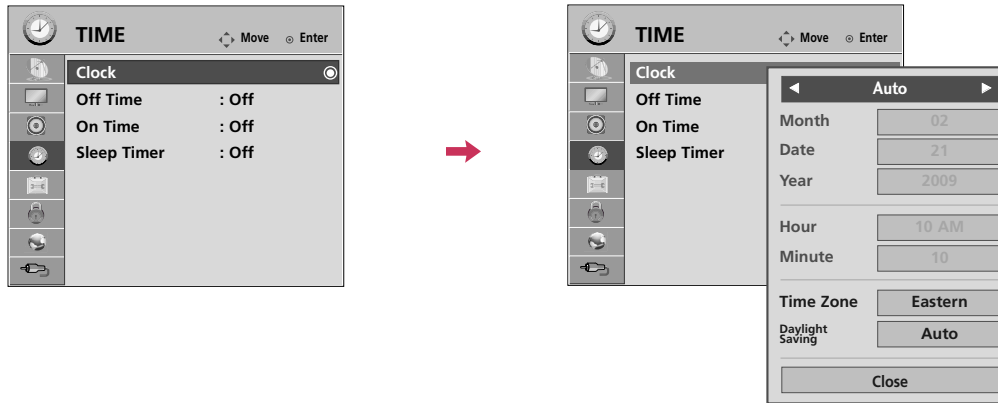
## CLOCK SETTING













### 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.



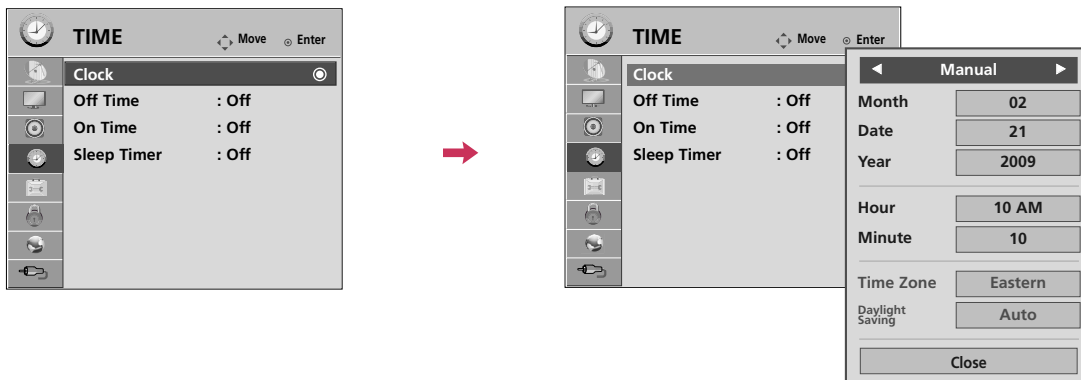
- 1   Select **TIME**.
- 2   Select **Clock**.
- 3   Select **Auto**.
- 4   Select your viewing area time zone.
  - U.S.A: **Eastern, Central, Mountain, Pacific, Alaska, or Hawaii.**
  - Canada: **Eastern, Central, Mountain, Pacific, New F.land, or Atlantic.**
- 5   Select **Auto, Off, or On** (depending on whether or not your viewing area observes Daylight Saving time).
- 6  Return to the previous menu.
-  Return to TV viewing.

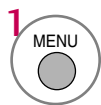


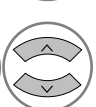

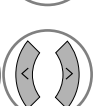



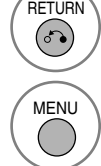
# TIME SETTING

## Manual Clock Setup

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

If this TV is unplugged once or turn off with the AC power control switch on the TV, 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.
-  Return to TV viewing.