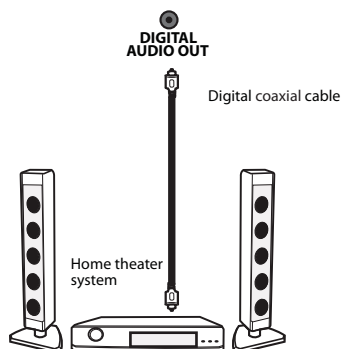## Connecting a home theater system

Connecting using a digital audio cable

To connect using a digital coaxial cable:
1   Make sure that your TV's power cord is unplugged and the home theater system is turned off.
2   Connect one end of a digital coaxial audio cable (not included) to the **DIGITAL AUDIO OUT** jack on the back of the TV.

DIGITAL
AUDIO OUT

Digital coaxial cable

Home theater
system

3   Connect the other end of the audio cable to the digital coaxial input jack on the home theater system.

*Note: The **DIGITAL OUTPUT** jack only works with DTV and HDMI output only.*

To play TV sound through a home theater system:
1   Turn on the TV and select a program to watch.
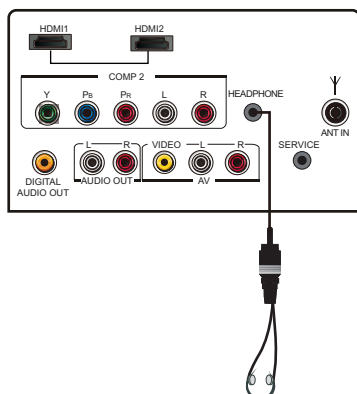2   Turn on the home theater system and select the TV sound source, then adjust the volume to a comfortable level.

Connecting headphones

Warning: When using headphones, adjust the headphone volume to avoid excessively loud volume which can damage your hearing.
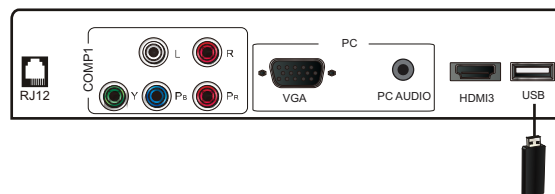
To connect headphones:
• Plug the headphones (not included) into the ⌒ (headphone) jack on the back of the TV.

Note: The TV sound automatically mutes when headphones are connected?

Connect devices with USB interface
• You can either use the USB connection cord or divectly insert the USB port at the side of TV.

Understanding the basics

Turning your TV on or off

To turn your TV on or off (standby mode):
1   Plug the power cord into an AC power outlet.
2   Press ⏻ (power). Your TV turns on.
3   Press ⏻ again to turn off your TV. When you turn off your TV, it goes into standby mode.

Warning: When your TV is in standby mode, it is still receiving power. To completely disconnect power, unplug the power cord.

Note: If your TV does not receive an input signal for several minutes, it automatically goes into standby mode.

Selecting the video input source

To select the video input source:
1   Turn on your TV, then press **INPUT** on the remote control or on the TV. The *INPUT SOURCE* menu opens.
2   Press ▲ or ▼ to highlight the video source you want, then press **ENTER**. Options include **TV**, **AV**, **YPbPr1,YPbPr2,VGA** (computer), **HDMI1,HDMI2,HDMI3** .

Selecting a channel

Tip: If you are using a cable or satellite box, use the remote control that came with that device to change channels.

To select a channel:
• Press **CH** ⋀ /**CH** ⋁ to go to the next or previous channel.
• Press the number buttons to enter the channel number you want, then wait for the channel to change, or press **ENTER** to change the channel immediately.
   • To select a digital channel, press the number buttons to select the main digital channel, then press the dash(-). button, then the number buttons again to select the sub-channel. Wait for the channel to change or press **ENTER** to change the channel.

Note: Button presses must be within three seconds of each other.

• Press **LAST** to go to the last channel viewed.
• Press **GUIDE** to display a list of memorized channels, press ▲ or ▼ to select the channel you want from the list, then press ENTER to go to that channel.

Note: If the list has more than one page, press ▲ or ▼ to scroll through the pages.
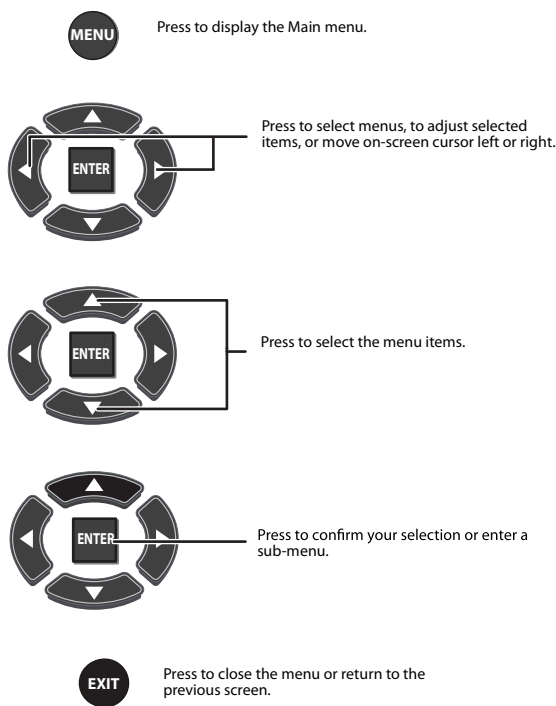
Adjusting the volume

To adjust the volume:
• Press **VOL** ⋀ /**VOL** ⋁ to increase or decrease the volume.
• Press **MUTE** to temporarily turn off all sound. Press **MUTE** again to restore the sound.

Displaying program information
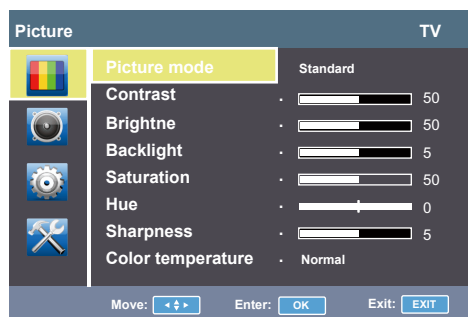
To display program information:
- Press **INFO** to show an information banner. The information banner shows current program information such as channel number, video input source, and resolution.
  - **Digital signal information**—Displays channel number, station name, channel label (if preset), broadcast program name, signal type, audio information, resolution,and current program start and end times when watching a digital channel.
  - **Analog signal information**—Displays channel number, channel label (if preset), signal type, audio information, and resolution when watching an analog channel.
- Press **MENU**,then GUIDE to show the digital program guide, which may show a list of available programs, program times, and program summaries, depending on the in formation provided by the broadcaster.

Navigating the menus

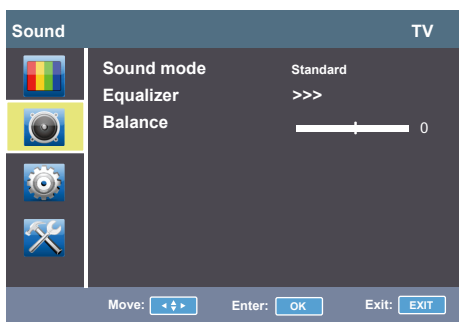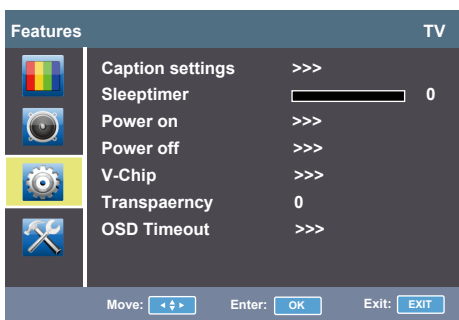|	
MENU	Press to display the Main menu.
ENTER	Press to select menus, to adjust selected items, or move on-screen cursor left or right.
ENTER	Press to select the menu items.
ENTER	Press to confirm your selection or enter a sub-menu.
EXIT	Press to close the menu or return to the previous screen.

On-screen menu overview

Use the on-screen menu to configure the various operational settings of your TV. To access the menu, press **MENU**. The menus and their corresponding functions are described in the following table:

Picture		TV
Picture mode	Standard	
Contrast		50
Brightne		50
Backlight		5
Saturation		50
Hue		0
Sharpness		5
Color temperature	Normal	

Move: ◄ ↕ ►   Enter: OK   Exit: EXIT

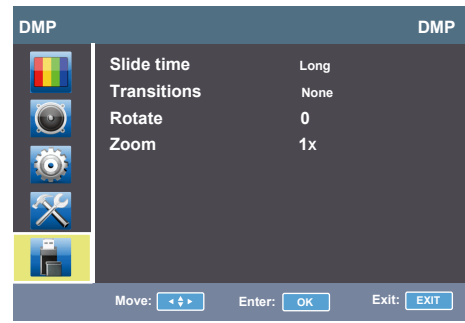| ① Picture		
	Preset Mode	Lets you enable one of five preset viewing options optimized for different viewing conditions.
	Contrast	Lets you adjust the level of picture contrast. Increasing the contrast adds more light to the white areas of the picture.
	Brightness	Lets you adjust the level of brightness on the screen. Increasing brightness can add more light to dark areas of the picture.
	Backlight	Lets you control panel overall brightness and background.
	Saturation	Lets you adjust the level of color intensity.
	Hue	Adjusts the color balance of the picture.Use this control to make skin tone look more natural.
	Sharpness	Lets you adjust the focus of the picture. Increase sharpness for a clearer picture, or decrease sharpness for a smoother picture.
	Color Temperature	Lets you select one of three preset color temperature settings: **Cool, Normal** or **Warm**.

Sound		TV
Sound mode	Standard	
Equalizer	>>>	
Balance		0

Move: ◄ ↕ ►   Enter: OK   Exit: EXIT

②

② Sound		
	Sound mode	lets you select the Sound mode.
	Equalizer	lets you adjust the level of luminosity.
	Balance	Lets you adjust the balance between the left and right speakers.

Features		TV
Caption settings	>>>	
Sleeptimer		0
Power on	>>>	
Power off	>>>	
V-Chip	>>>	
Transpaerncy	0	
OSD Timeout	>>>	

Move: ◄ ↕ ►   Enter: OK   Exit: EXIT

③

③ Features		
	Caption settings	Lets you configure the settings for caption in TV programs.
	Sleeptimer	Specify the amount of time before your TV automatically turns off: off-5-10-...-180 minutes..
	Power on	Lets you set the TV open time of every day.

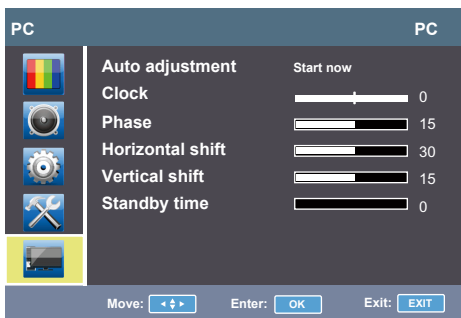|		
③ Features	Power off	Lets you set the TV close time of every day.
	V-Chip	Lets you select certain programs to be blocked. Lets you change access password.
	Transparency	Adjust the transparency of menu
	OSD Timeout	Adjust the time takes the OSD to disappear when no operations are performed.

Installation		TV
	Language	English
	Channels	>>>
	Time	>>>
	Source Labels	>>>
	Reset AV settings	Start now

Move: ◀ ♦ ▶   Enter: OK   Exit: EXIT

④

④ Installation	Language	You can select the menu's language among English, French and Espana.
	Channels	You can select the mode of RF input and search the channels automatically.
	Time	Lets you configure the system clock,time zone settings and daylight saving.
	Source Labels	Lets you name each input.
	Reset AV settings	Change setting back to default. (picture and sound only)

PC		PC
	Auto adjustment	Start now
	Clock	0
	Phase	15
	Horizontal shift	30
	Vertical shift	15
	Standby time	0

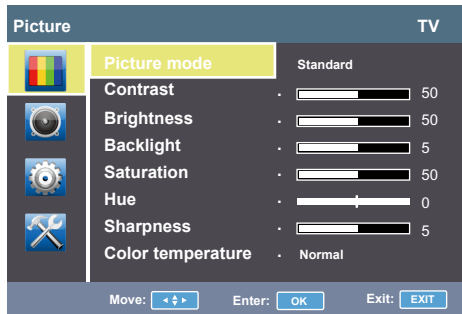Move: ◀ ♦ ▶   Enter: OK   Exit: EXIT

⑤

⑤ PC	Auto adjustment	Adjust the position of image on screen automatically.
	Clock	Adjust the clock used to synchronizing the image.
	Phase	Adjust the phase of the clock used for synchronizing the image.
	Horizontal shift	Adjust the horizontal position of the image.
	Vertical shift	Adjust the vertical position of the image.
	Standby time	Adjust the time to switched off when the computer has no signal.

DMP		DMP
	Slide time	Long
	Transitions	None
	Rotate	0
	Zoom	1x

Move: ◀ ♦ ▶   Enter: OK   Exit: EXIT

⑥

⑥ DMP	Slide time	Lets you set the slide time : long medium or short.
	Transitions	Lets you set the transiotion from one picture to the next.
	Rotate	Lets you revolve the picture.
	Zoom	Lets you set the scale of the picture in DMP mode.

DMP Function Introduction

Signal mode	support format
Pcture	JPEG
Music	MP3

Adjusting the picture

To adjust the picture:
In TV mode, you can adjust:

1 Press **MENU**. The *Main* menu opens.
2 Press **ENTER** or ▶. The *Picture* menu opens.

Picture		TV
Picture mode	Standard	
Contrast		50
Brightness		50
Backlight		5
Saturation		50
Hue		0
Sharpness		5
Color temperature	Normal	

Move: ◄‡► Enter: OK Exit: EXIT

3 Press ▲ or ▼ to highlight an option, then press **ENTER** or ▶ to access the option, and press ◄ or ▶ to adjust the option. You can select:

- **Picture Mode**—Selects the picture mode. You can select:
  - **Vivid** (a bright and vivid picture)
  - **Standard** (a standard picture)
  - **Game** (a finely detailed picture)
  - **ciema** (the brightness rightness is decreaced)
  - **power saver** (decrease the backlight for to save energy)

*Note: You can also press **PICTURE** on the remote control to select the picture mode.*

- **Contrast**–Lets you increase or decrease the contrast of the picture. Increase the contrast to adjust the white areas of the picture or decrease the contrast to adjust the black areas of the picture.
- **Brightness**–Lets you increase or decrease the brightness of the picture. Increasing the brightness can add more light to dark areas of the picture, while decreasing the brightness can add more darkness to light areas of the picture.
- **Backlight**–Adjust backlight to suit light conditions in the room. Under low room illumination, the use of lower backlight settings is recommended for reduced power consumption and extended life of the flat panel of your television.
- **Saturation**– Adjusts the intensity of the colours.
- **Hue**– change the picture quality when there is a NTSC signal at AV source.
- **Sharpness**–Lets you increase the sharpness level for clearer images or decrease the sharpness level for smoother images.
- **Color temperature**–Lets you change the color temperature. You can select the color temperature from three options: **Cool, Normal** or **Warm**.

4 Press **EXIT** to return to the previous menu, or press **MENU** to close the menu.

Choosing the display format (aspect ratio)

To choose the display format:

1 Press **ASPECT** on the remote control repeatedly to cycle through the available display formats. Options include:

- **Normal**—Selects the 4:3 aspect ratio to show a picture with black bar on both right and left hand side.
- **Full Screen**—Shows a full-screen picture.
- **Zoom1**—Enlarges the picture but may crop the top and bottom of picture. And has less black bar on right and left than Normal aspect mode.
- **Zoom2**—Enlarges the picture but may crop the top and bottom of picture. And no black bar on right and left.
- **Panorama**—Stretches the picture at the edges, but maintains a good aspect ratio at the center of the screen.
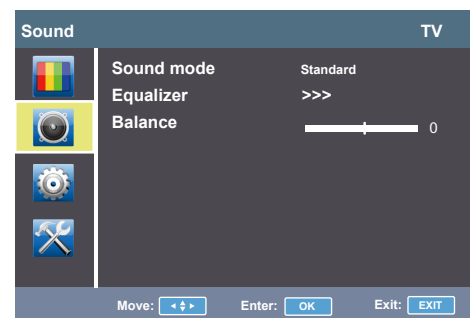
Note: In analog TV mode, allows you to select all aspect modes. In digital TV mode, allows you to select Normal mode and full-screen mode. Zoom and panorama modes are not available.

Adjusting the sound

To adjust the sound:
In TV mode, you can adjust:

1 Press **MENU**. The *Main* menu opens.
2 Press ▲ or ▼ to highlight **Audio**, then press **ENTER** or ▶. The *Audio* menu opens.

Sound		TV
Sound mode	Standard	
Equalizer	>>>	
Balance		0

Move: ◄‡► Enter: OK Exit: EXIT

3 Press ▲ or ▼ to highlight an option, then press **ENTER** or ▶ to access the option, and press ◄ or ▶ to adjust the option. You can select:

- **Sound Mode** — Press [◄/▶] to select between 4 different pre-adjusted sound modes:Custom,Standard,music,and Clear voice. The User mode preserves your preferred sound settings after using the Equalizer available under the Sound submenu.
- **Equalize**—Set the users' mode of sound, press [◄ /▶] button to select the sound component of 120HZ, 500HZ, 1.5K, 5K, and 10K. Press [▲/▼] button to weaken or enlarge the sound to the proper value.
  The sound Equalizer can also be easily configured for most frequent situations by pressing the [SOUND] button on your remote controller. Preset settings are provided for User, Music, Standard and Speech conditions. Standard mode delivers a flat frequency response, which preserves the natural characteristics of the original sound. In Music mode the extremes of low and high frequencies are accentuated to enhance musical instrument reproduction. The opposite effect is accomplished in Speech mode where very low and high frequencies are attenuated to improve the reproduction and intelligibility of the human voice.
- **Balance**—Adjusts the balance between the left and right audio channels.

4 Press **EXIT** to return to the previous menu, or press **MENU** to close the menu.

Selecting the audio mode

To select the audio mode:

- Press **SOUND** on the remote control one or more times to cycle through the available sound modes. Options include:
  - **Standard** (for normal programs).
  - **Music** (for music programs).
  - **Clear Voice** (for music programs).
  - **Custiom** (for a customized sound mode).