

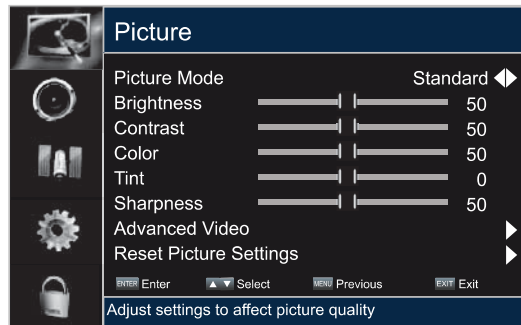
# Basic Features

## To Use the Menu

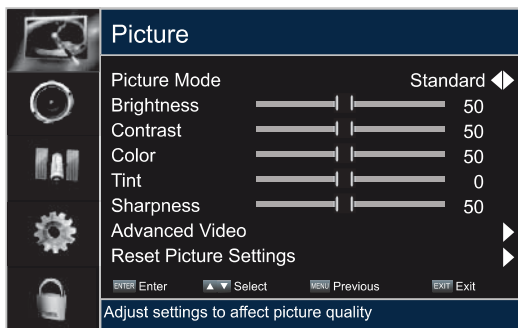
- 1 Press [MENU] to open the main menu.
- 2 Press [▲/▼] to select a menu option, then press [▶/ENTER] button to enter the menu.
- 3 In each menu, you can:
  - Press [▲/▼] to select an item,
  - Press [◀/▶] to adjust the value, or
  - Press [▶/ENTER] to enter the submenu,
  - Press [MENU] to back the previous menu.
- 4 Press [EXIT] to exit the menu.

### NOTE

The menus in the user manual may vary slightly from the actual screen.



## Using the Picture Menu



### You can adjust:

**Picture Mode** - Adjust the Picture Mode. You can select Vivid, Standard, Theater, Energy Savings or Custom.

**Brightness** - 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.

**Contrast** - 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.

**Color** - Adjusts the color intensity of the picture. A low setting may make the color look faded. A high setting may make the color look artificial.

**Tint** - Adjusts the color balance of the picture. Use this control to make skin tones look more natural.

**Sharpness** - You can increase the sharpness level for clearer images or decrease the sharpness level for smoother images.

**Advanced Video** - Access advanced video settings such as Backlight, Color Temperature and Noise Reduction.

**Dynamic Backlight Control:** Enhances the contrast ratio between light and dark areas of the picture. You can select Off, Low, or High.

**Backlight:** Sets the overall brilliance of the screen. When the option of **Dynamic Backlight Control** is turned Low or High, you cannot change the Back Light setting.

**Aspect Ratio:** To choose the screen aspect ration from Wide, Cinema, Auto, Normal, 1:1 PIXEL MAP and Zoom .

### NOTE

The option of the screen Aspect Ration is different in different inputs. (For more information, see "Shortcuts Instructions")

**Color Temperature:** Change the color temperature. You can select the color temperature from three options: Cool, Normal or Warm.

**Overscan:** Adjusts the picture's reproduction rate. You can select On or Off.

### NOTE

Only available in DTV, Component and HDMI(YUV) source.

**Noise Reduction:** Select to reduce the noise level of connected equipment: off, Low, Medium and High.

**Adaptive Contrast:** Automatically adjusts picture detail and brightness. You can select On or Off.

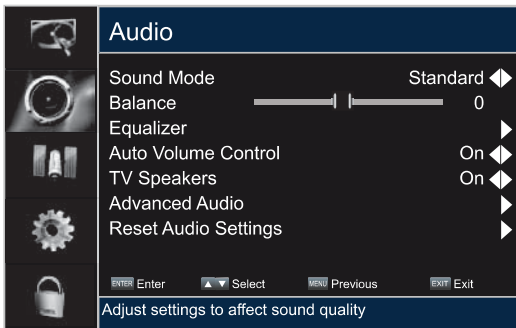
**120Hz Effect:** Inserts frames to reduce judder in fast action scenes. You can select On or Off.

### NOTE

Only available in the models that support 120 Hz.

**Reset Picture Settings** - Resets all Picture Settings to the factory defaults.

## Using the Audio Menu



### You can adjust:

**Sound Mode** - Select the Sound Mode: Standard, Theater, Music, Speech or Custom.

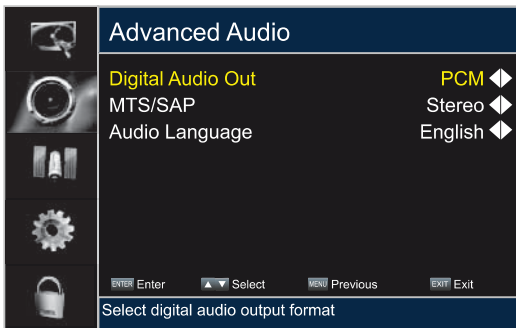
**Balance** - Adjust the volume of the left and right speakers.

**Equalizer** - Soften or enhance the sound at specific frequency points.

**Auto Volume Control** - Automatically adjusts volume to a consistent level; attenuates loud passages.

**TV Speakers** - Selects where to play TV audio. You can select On (default setting) to play audio through TV speakers, or select Off to play audio through the speakers on an external audio system.

**Advanced Audio** - Access Advanced Audio settings such as Digital Audio Out, MTS/SAP, Audio Language.



**Digital Audio Out:** Send digital audio to an external audio system. You can select PCM or RAW.

- **PCM:** PCM outputs two channel audio regardless of the input format.
- **RAW:** When the data stream carries Dolby signal, digital SPDIF outputs Dolby data stream. When the data stream carries no Dolby signal, it transports PCM data stream.

**MTS/SAP (Analog channels only):** Select the default audio stream, you can select Mono, Stereo or SAP (Second Audio Program).

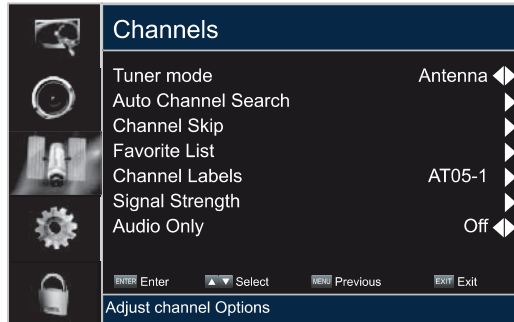
- **Mono:** Select this option if there is noise or static on weak stereo broadcasts.
- **Stereo:** Select this option for programs broadcast in stereo.

- **SAP:** Depending on the particular program being broadcast, you can listen to a foreign-language translation.

**Audio Language** (Digital channels only) - Change the default value for audio language.

**Reset Audio Settings** - Resets all audio settings to the factory defaults.

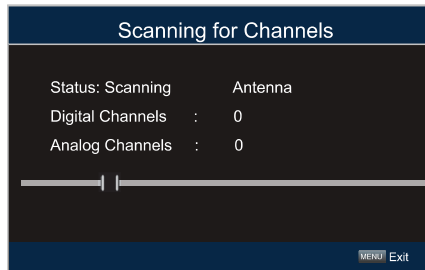
## Using the Channels Menu



### You can adjust:

**Tuner Mode** - Select the TV signal source. You can select Antenna or Cable.

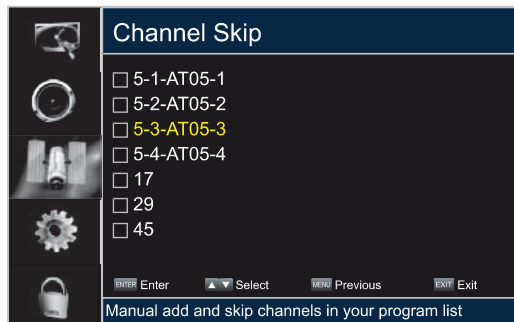
**Auto Channel Search** - Scans for channels that have signals and stores the channels information in memory.



**Digital Channels:** The scanned TV program in digital signals.

**Analog Channels:** The scanned TV program in analog signals.

**Channel Skip** - You can hide channels in the channel list. Press [▲/▼] to select the channels you want to hide and press [ENTER] to confirm.

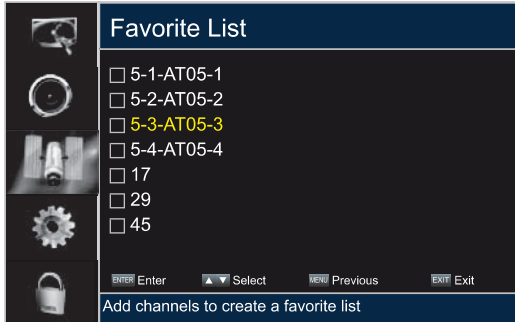


# Basic Features

## NOTE

When you press [CH  $\Delta$ /V] (or [CH +/-]) button, your TV skips the hidden channels. You can still tune to the channel by pressing the number buttons on the remote control.

**Favorite List** - Display your Favorite List. You can add or delete channels to create your favorite list.



**Channel Labels** - Change the channel name. Press [◀/▶] to select the character you want to change, then press [▲/▼] to set the character.

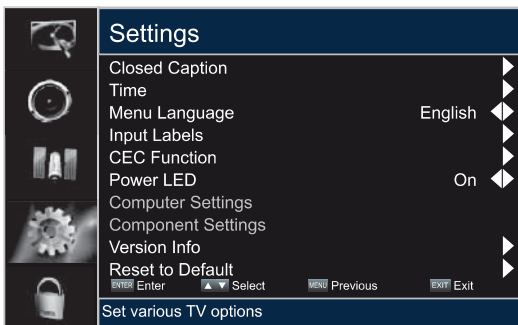
**Signal Strength** (Digital channels only)- You can check the digital signal strength to determine if you need to adjust your antenna or digital cable input.

**Audio Only** - Listen to the program audio only, when you turn off the picture on your TV.

## NOTES

- Audio Only works only when the input source is TV, and your TV is receiving a broadcast signal.
- To exit audio only mode, press any button. When you exit audio only mode, the Audio Only option is automatically reset to Off.

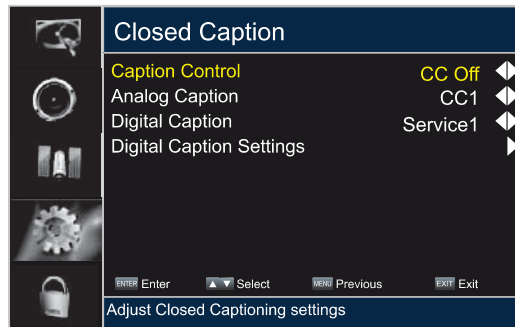
## Using the Settings Menu



**You can adjust:**

**Closed Caption** - Adjust Closed Caption settings.

**Closed Caption:** To select CC Off (turns off closed caption), CC On (turns on closed caption), or CC on when Mute (turns on closed caption when the sound is muted).

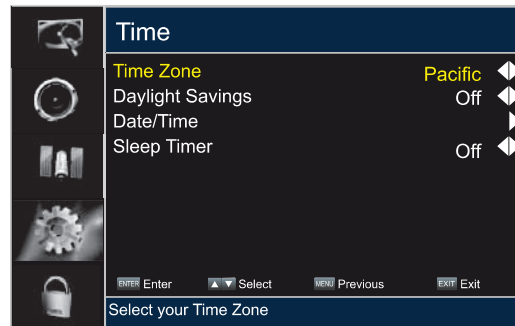


**Analog Caption:** Select an Analog Caption setting from CC1~CC4, TEXT1~TEXT4, Off.

**Digital Caption:** Select a Digital Caption setting: Service1~Service6, Off.

**Digital Caption Settings:** There are two Caption Styles. One is the automatic function set as the broadcaster, while the other is the custom style where you can adjust the font size, color, opacity, background color etc..

**Time** - Access Time settings such as Time Zone, Date/Time, Sleep Timer.



**Time Zone:** Select your local time zone: Pacific, Alaska, Hawaii, Newfoundland, Atlantic, Eastern, Central and Mountain.

**Daylight Savings:** Press [▲/▼] to highlight Daylight Savings, then press [◀/▶] to select On (if your viewing area observes Daylight Savings Time) or Off (if your viewing area does not observe Daylight Savings Time).

**Date/Time:** You can set time manually or select automatic if the TV is connected to an antenna or cable source.

- **Auto synchronization:** Select Manual (to set the date and time manually) or Auto (to set the date and time automatically from a TV signal source based on the time zone you select).

If you selected Manual, set the following options.

- **Date:** Set the current year/month/day.
- **Time:** Set the current time.

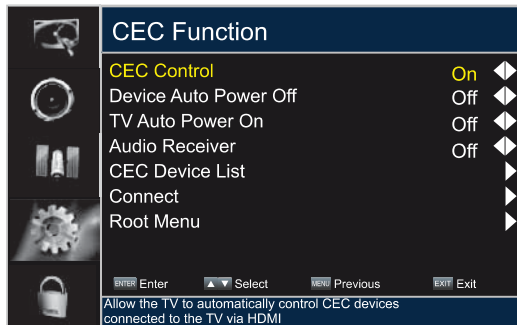
**Sleep Timer:** Specify the amount of time before your TV automatically turns off.

**Menu Language** - You can select the menu's language to English, Spanish or French.

# Basic Features

**Input Labels** - Press [▲/▼] to select the input source you want to label, then press [▶] to move to the custom label field and then press [▲/▼] to select the character you want. When you have completed the label, The next time you press INPUT, your label will appear in the Input source list.

**CEC Function-** CEC Function lets you control HDMI CEC-compatible devices connected to the HDMI jacks on your TV using the remote control that came with your TV. To use CEC Function, you must set the CEC Control setting to On.



## NOTES

- HDMI cables must be used to connect HDMI CEC-compatible devices to your TV.
- The connected device's HDMI CEC feature must be turned on.
- If you connect an HDMI device that is not HDMI CEC-compatible, all the CEC Control features do not work.
- Depending on the connected HDMI device, the CEC Control feature may not work.

**CEC Control:** Turning CEC Function on or off.

**Device Auto Power Off:** When HDMI-CEC is turned on, Device Auto Power Off turns off HDMI CEC devices when you turn off your TV.

**TV Auto Power On:** When CEC is turned on and you turn on an HDMI CEC device, TV Auto Power On turns on your TV automatically.

**Audio Receiver:** When CEC is turned on and you have connected an audio receiver to your TV, turning on Audio Receiver lets you use your TV's remote control to control the volume on the audio receiver.

**CEC Device Lists:** You can display a list of HDMI CEC devices that are connected to your TV and select the source you want.

**Connect:** Connect to the current CEC devices .

**Root Menu:** You can open an CEC-compatible device's root menu, then use your TV's remote control to control the device.

**Power LED** - To turn on or off the standby indicator.

**Computer Settings (Only available in VGA mode.)-** Access Computer Settings such as H.Position, V.Position, Clock, Phase and Auto Adjust.

**Auto Adjust:** Detects input signal clock, phase and position and adjusts TV display accordingly.

**H.Position:** Move the image right or left.

**V.Position:** Move the image up or down.

**Clock:** Adjust the sample frequency.

**Phase:** Adjust the focus of stable images.

**Reset Computer Settings:** Resets all computer settings to factory mode.

**Component Settings (Only available in Component mode.)** - You can adjust the horizontal distortion that may occur when watching video from a component video device.

**Phase:** Minimizes horizontal distortion.

**Reset Component Settings:** Resets all component video settings to factory mode.

**Version Info** - Display the software version information.

**Reset to Default** - Every TV has its original setting before leaving the factory. This function can help you restore these settings.

## Using the Parental Controls Menu

When you first use this function, the default password is [0000]. Once you input this password, you can set options.



**You can adjust:**

**Button Lock** - Block or unblock the button of the TV.

**Block Unrated TV** - Block unrated TV programs.

**USA Parental Locks** - Restrict movie and TV programs for USA Ratings.

**Canadian Parental Locks** - Restrict movie and TV programs for Canadian Ratings.

**Change Password** - If you want to change the default password, first enter the new password then enter the same password again.

**Open V-Chip** - Display an advanced V-Chip ratings table for digital channels (USA only).

**Reset Parental Control Settings** - Resets all parental control settings to factory mode.

**Clean All** - Reset all your settings to factory mode.

## Basic Features

Following is the description of these ratings.

### U.S. TV Ratings

Age	Defined as
TV-Y	All children
TV-Y7	Directed to older children
TV-G	General audience
TV-PG	Parental Guidance suggested
TV-14	Parents Strongly cautioned
TV-MA	Mature Audience only

Contents	Defined as
ALL	All of the ratings below that rating set blocked automatically
D	Suggestive dialogue
L	Strong language
S	Sexual situations
V	Violence
FV	Fantasy Violence

### U.S. Movie Ratings

Rating	Defined as
G	General audience
PG	Parental Guidance suggested
PG-13	Parents strongly cautioned
R	Restricted
NC-17	No one 17 and under admitted
X	Adult audience only

### Canadian English Ratings

Rating	Description
C	Children
C8+	Children 8 years and older
G	General Programming, suitable for all audiences
PG	Parents Guidance
14+	Viewers 14 years and older
18+	Adult Programming

### Canadian French Ratings

Rating	Description
G	General
8 ans+	8+General; Not recommended for young children
13 ans+	Programming may not be suitable for children under the age of 13
16 ans+	Programming is not be suitable for children under the age of 16
18 ans+	Programming restricted to adults

#### NOTE

As you block rating, all rating higher than the ones you select are blocked as well. E.g. if you choose to block the MPAA rating R, the higher ratings, NC-17 and X, are automatically blocked too.



# Advanced Features

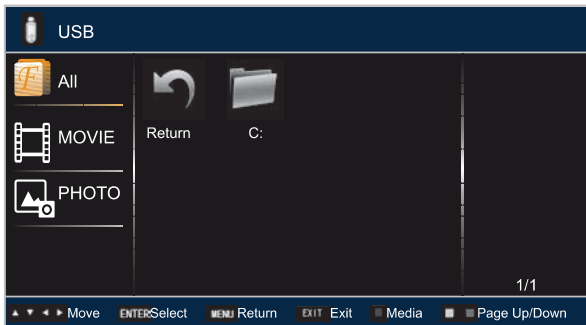
## Digital Media Player

Please note that Hisense will not assume any responsibility for any lost data and cannot guarantee perfect compatibility with all mass storage devices. Be sure to insert the USB disk with standard USB 2.0 port. Data Input from USB Memory Stick only. Do not connect any device to this terminal such as digital camera, keyboard, mouse, etc.

### NOTE

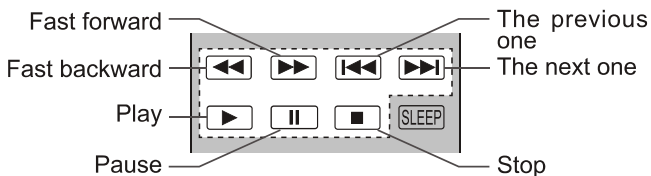
Never remove the USB flash drive or turn off your TV while viewing video/photo.

- Press [INPUT] button to display the INPUT menu, press [▲/▼] button to highlight the USB source, then press [ENTER] button to confirm. (If you want to exit DMP, you can press [INPUT] button to switch to other sources).
- Press [RED] button to switch the media type.
- Press [YELLOW/BLUE] button to turn to the previous/next page.



### Media content control function buttons

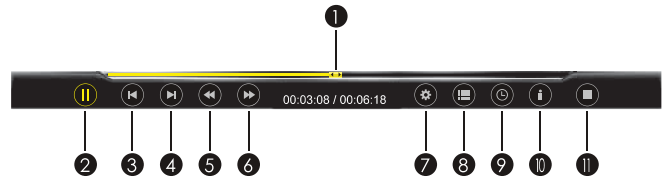
When viewing video/photo, you can press these buttons on the remote control to control video/photo.



## Enjoy Movie Files

1. Press [RED] button to switch the media type to MOVIE.
2. Press [▲/▼/◀/▶] to select the movie you want to view.
3. Press [ENTER] to play the movie.
4. Press [EXIT] to exit the video and return to the previous directory.
5. When enjoying the video, press [MENU] button to display/exit the tool bar. Press [▶/ENTER] to enter the submenu and press [EXIT] to return to the upper menu.

### ● Tool bar

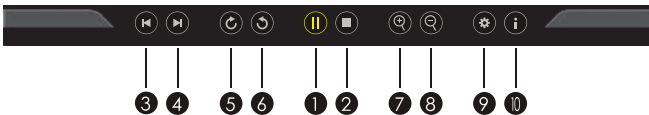


- ① Progress bar.
  - ② Play/Pause the video.
  - ③ Play the previous video.
  - ④ Play the next video.
  - ⑤ Fast backward. Press [ENTER] to select the backward speed.
  - ⑥ Fast forward. Press [ENTER] to select the forward speed.
  - ⑦ Options. Adjust Repeat Mode, Zoom Mode, Audio Track, and Subtitle.
  - ⑧ Play list. You can select the video you want to view, then press [ENTER] to play.
  - ⑨ Select time to play. Press [◀/▶] to select the position you want to set, press [0~9] to set the time (or press [▲/▼] to adjust it), then press [ENTER] to confirm and the video will to play at the time you have set.
  - ⑩ Video Info. Displays details on image resolution, audio and video code, subtitle, audio track, program and time.
  - ⑪ Stop playback.
6. Press [ASPECT] button one or more times to enlarge the image by Wide and Normal.

## Browse the Photos

1. Press [RED] button to switch the media type to PHOTO.
2. Press [▲/▼/◀/▶] to select the photo you want to view.
3. Press [ENTER] to browse the photo.
4. Press [EXIT] to return to the previous directory.
5. When browsing photos, press [MENU] button to display / exit the tool bar. Press [▶/ENTER] to enter the submenu and press [EXIT] to return to the upper menu.

### ● Tool bar



### ✓ NOTE

When the photos in browsing or pausing, the menu will be different.

- 1 Play/Pause the photo.
- 2 Stop browsing the photo.
- 3 Browse the previous photo.
- 4 Browse the next photo.
- 5 Allows the photo to rotate 90 degrees clockwise.
- 6 Allows the photo to rotate 90 degrees anti-clockwise.
- 7 Zoom in the photo.
- 8 Zoom out the photo.
- 9 Options. You can adjust Show Speed.
- 10 Photo Info. Allows you to view the photo information.

### ✓ NOTES

- The unit recognizes only a USB Memory Stick.
- Do not use a USB hub or an extension cable to connect an external hard disk drive to the unit. (Not supported)
- A USB Memory Stick is always inserted to this unit directly.
- A USB Memory Stick is not supplied with this unit.
- We do not guarantee that all USB Memory Sticks can be supported by this unit.
- Be sure to keep a backup copy of the original files on your device before you play them back on this unit. We have no responsibilities for damage or loss of your stored data.
- To protect your USB Memory Stick files from being erased place the write protect sliding tab in the protect position.
- When you are ready to remove a USB Memory Stick, set the unit to go into Standby mode to avoid any damage to your data and the unit.
- A USB Memory Stick that requires its own driver or the device with a special system such as fingerprint recognition are not supported.
- This unit is not allowed to use the USB Memory Stick which requires an external power supply (500mA or more).

# Advanced Features

## Playable Format List

### Video Decoder Support List

<i>File extension</i>	<i>Container</i>	<i>Video Decoder</i>	<i>Resolution</i>	<i>Bitrate (bps)</i>
*.avi	AVI	MPEG1	768*576	1.8M
		MPEG2 MP@HL	1920*1080	40M
		MPEG-4 SP@HL 3.0	1920*1080	40M
		MPEG-4 ASP@HL 4.0	1920*1080	40M
*.wmv	ASF	MPEG-4 SP@HL 3.0	1920*1080	40M
*.asf		MPEG-4 ASP@HL 4.0	1920*1080	40M
*.mp4	MP4	MPEG-4 SP@HL 3.0	1920*1080	40M
*.mov		MPEG-4 ASP@HL 4.0	1920*1080	40M
*.3gp				
*.mkv	MKV	MPEG-4 SP@HL 3.0	1920*1080	40M
		MPEG-4 ASP@HL 4.0	1920*1080	40M
*.mpg	PS	MPEG1	768*576	1.8M
*.mpeg				
*.vro				
*.vob		MPEG2 MP@HL	1920*1080	40M
*.ts		TS	MPEG2 MP@HL	1920*1080
*.ogm	OGG	MPEG2 MP@HL	1920*1080	40M
		MPEG-4 SP@HL 3.0	1920*1080	40M
		MPEG-4 ASP@HL 4.0	1920*1080	40M

### Audio Decoder Support List

<i>File extension</i>	<i>Container</i>	<i>Audio Decoder</i>
*.avi	AVI	MPEG1 Layer1/2
		MPEG2 AAC
		MPEG4 AAC-LC
		MPEG4 HE-AAC AC3
*.MP4	MP4	MPEG1 Layer1/2
		MPEG2 AAC
		MPEG4 AAC-LC
		MPEG4 HE-AAC
*.mpg	PS	MPEG1 Layer1/2
*.mpeg		
*.vro		AC3
*.vob		
*.ts	TS	MPEG1 Layer1/2
		MPEG2 AAC
		MPEG4 AAC-LC
		MPEG4 HE-AAC AC3
*.rm	RM	AC3 MPEG2 AAC
*.mkv	MKV	MPEG1 Layer1/2
		MPEG2 AAC
		MPEG4 AAC-LC
		MPEG4 HE-AAC
		AC3



# Trouble Shooting

**When there is something wrong with your TV, you can try turning off the TV and then restart it. You can also Operate according to the following chart. If the problem still cannot be solved, please contact the professional technicians.**

<i><b>SYMPTOMS</b></i>	<i><b>POSSIBLE SOLUTIONS</b></i>
No sound or picture.	<ul style="list-style-type: none"> <li>● Check if the power cord is in the AC outlet and if it has electricity.</li> <li>● Check if you have pressed [POWER] button on the TV or [POWER] button on the remote control.</li> <li>● Check to see if LED light is either red or blue. If illuminated, power to TV is OK.</li> </ul>
I have connected an external source to my TV and I get no picture and/or sound.	<ul style="list-style-type: none"> <li>● Check for the correct output connection on the external source and for the correct input connection on the TV.</li> <li>● Make sure you have made the correct selection for the input mode for the incoming signal.</li> </ul>
When I turn on my television, there is a few second delay before the picture appears. Is this normal?	Yes, this is normal. That is the TV searching for previous setting information and initializing the TV.
Picture is normal, but no sound.	<ul style="list-style-type: none"> <li>● Check the volume settings.</li> <li>● Check if Mute mode is set “on”.</li> </ul>
Sound but no picture or black and white picture.	<ul style="list-style-type: none"> <li>● If black and white picture first unplug TV from AC outlet and replug after 60 seconds.</li> <li>● Check Color Setting if picture is black and white.</li> </ul>
Sound and picture distorted or appear wavy.	<ul style="list-style-type: none"> <li>● An electrical appliance may be affecting TV set. Turn off any appliances, if interference goes away, move appliance farther away from TV.</li> <li>● Insert the power plug of the TV set into another power outlet.</li> </ul>
Sound and picture is blurry or cuts out momentarily.	<ul style="list-style-type: none"> <li>● If using an external antenna, check the direction, position and connection of the antenna.</li> <li>● Adjust the direction of your antenna or reset or fine tune the channel.</li> </ul>
Horizontal/vertical stripe on picture or picture is shaking.	Check if there is interfering source nearby, such as appliance or electric tool.
The plastic cabinet makes a “clicking” type of sound.	“Click” sound can be caused when the room temperature changes. This change causes the television cabinet to inflate or contract, which makes the sound. This is normal and TV is OK.
Black square appears in the center of my television screen?	The Closed Caption function is set in the text mode. To remove it, access Closed Caption from the menu screen and change the Mode setting from text to either CC1 or off .

## Trouble Shooting

<i>SYMPTOMS</i>	<i>POSSIBLE SOLUTIONS</i>
On some channels getting another language or sometimes no sound at all.	<p>That would indicate that the MTS mode on your unit is set to SAP mode. We suggest setting the MTS mode to either Stereo or Mono . For further instruction, please see Audio Adjust or MTS/SAP in your user manual.</p> <ul style="list-style-type: none"> <li>● SAP is Second Audio Program. It's a second audio channel that is usually used for a second language or descriptive audio for the visually impaired.</li> <li>● MTS stands for Multichannel Television Sound, a standard that allows the encoding of 3 channels of audio within a standard NTSC (analog) video signal to a television. A television that is able to receive MTS Stereo allows you to watch television with stereo sound.</li> </ul>
Not getting all of my cable channels on the television or I'm only getting 13 channels.	<ul style="list-style-type: none"> <li>● Check the cable connection for an incoming signal. Make sure the signal is coming OK. Best way to confirm signal is to use another TV and/or contact your cable company.</li> <li>● Reprogram your channels. Press [MENU] button on your TV remote control, change Input Source setting to "Cable", then use "Auto Channels Search" to reprogram your channels.</li> </ul>
[CH $\wedge$ / V] don't work when I set the Channel to Cable? They work with the Air setting?	<p>After switching to Cable, please auto program the channels. The TV will "remember" all the channels then the TV will allow you to surf the channels with [CH <math>\wedge</math>/V] buttons.</p>
Remote control does not work.	<ul style="list-style-type: none"> <li>● Confirm that TV still has power and is operational.</li> <li>● Change the batteries in the remote control.</li> <li>● Check if the batteries are correctly installed.</li> <li>● Clean the front of the remote control (LED window).</li> <li>● If using a universal remote, be sure to select the TV mode on the remote.</li> <li>● If the remote still does not work: <ul style="list-style-type: none"> <li>• Remove and reinstall the batteries correctly to reset the remote or install new batteries.</li> <li>• Press the Power button to turn on the TV. With a universal remote if you have reset or changed the batteries you will need to reprogram the remote for the other units.</li> </ul> </li> <li>● Check if there is obstruction between the remote control and the TV.</li> </ul> <p><b>TIP:</b> If you have a digital camera / camera phone, you can aim the front of the remote at camera lenses (at this time, the camera should set on camera mode, not play mode). Observe the camera screen while pressing a button on the remote control; you should see flashing light on the screen. If there is no light observed, the remote control is not working. You need to repair or replace the remote control.</p>