

# Haier®

# Haier®

## TFT-LCD TV TÉLÉVISEURLCD MANUAL PARA EL USUARIO

HL19SL2/HL19SLW2/HL22XSL2/  
HL22XSLW2

OWNER'S MANUAL  
GUIDED'UTILISATION  
DEL TELEVISOR TFT-LCD

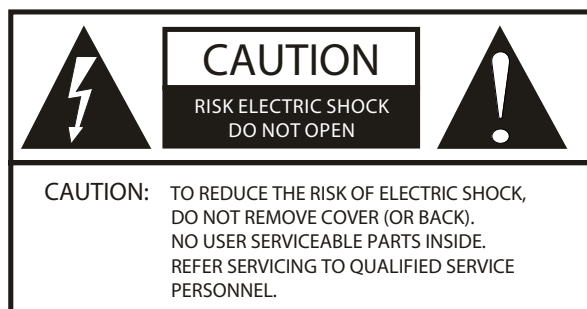
Please READ this manual carefully before operating your TV, and retain it for future reference.

Veuillez lire ce guide attentivement et entièrement avant d'utiliser votre téléviseur, conservez ce guide pour vous y reporter ultérieurement.

Se recomienda leer con atención este manual antes de poner en funcionamiento su televisor y conservarlo para consultas futuras.

01  
0090509587

## Warning



The lightning flash with arrowhead symbol, within an equilateral triangle is intended to alert the user to the presence of uninsulated dangerous voltage within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.


**WARNING:** TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

**CAUTION:** TO PREVENT ELECTRIC SHOCK DO NOT USE THIS POLARIZED PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.

### **Caution:**

- These servicing instructions are for use by qualified service personnel only. To reduce the risk of electric shock, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so.
- **CAUTION:** USE OF ANY CONTROLS, ADJUSTMENTS, OR PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE. (This item is only for TV with DVD models.)

## Important Safety Instructions

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
10. Only use attachments/accessories specified by the manufacturer.
11. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/ Apparatus combination to avoid injury from tip-over. 
12. Unplug this apparatus during lightning storms or when unused for long periods of time.
13. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
14. The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.
15. The mains plug or appliance inlet is used as the disconnect device, remain it readily operable during the apparatus normal use.

Class I apparatus shall be connected to a mains socket outlet with a protective earthing connection.



Energy Star 4.0 compliant

By being Energy Star compliant you are assured that your Haier model is helping the environment by using less energy while saving you money. ENERGY STAR is a joint program of the U.S. Environmental Protection Agency and the U.S. Department of Energy promoting energy efficiency.

## SAVE THESE INSTRUCTIONS

Thank you for purchasing the Haier product. This easy-to-use manual will guide you in getting the best use of your product. Remember to record the model and serial number. They are on label in back of the unit.

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Model number

---

serial number

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Date of purchase

Staple your receipt to your manual. **You will need it to obtain warranty service.**

# Contents

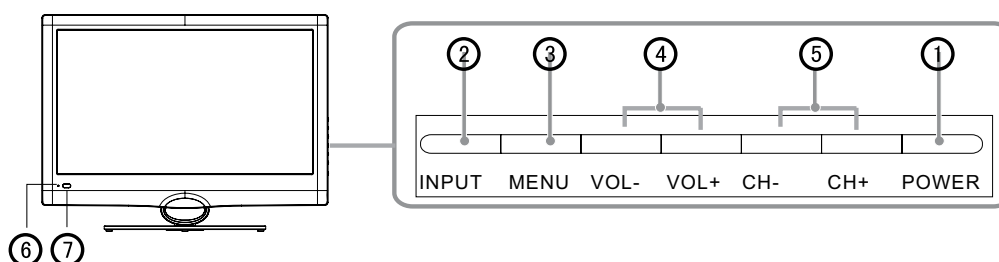
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# Introduction

## Controls

This is a simplified representation of the TV front panel, side panel control buttons and side inputs.

### TV Side panel controls and connections

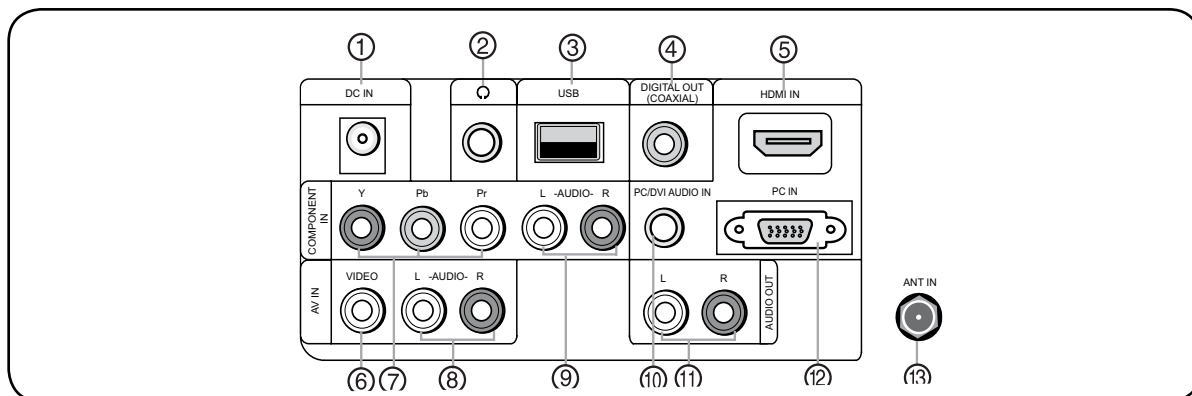


①	<b>POWER</b>	Press to turn on and off the TV.
②	<b>INPUT</b>	Press to access the input source mode. Press repeatedly to change the source to the one you want to watch. In the <b>MENU</b> screen, the <b>INPUT</b> button serves as the <b>ENTER</b> button.
③	<b>MENU</b>	Menu display. Press to access the on-screen menu display.
④	<b>VOL +/-</b>	Press to adjust the volume. In the <b>MENU</b> screen, these buttons serve as left/right buttons.

⑤	<b>CH +/-</b>	Connect a USB flash drive to view JPEG images or listen to MP3 songs.
⑥	<b>Power indicator</b>	
⑦	<b>Remote Sensor</b>	Receives IR signals from the remote control. Do not put anything near the sensor, which may block the remote control signal.

## Connection Options

### Back panel connections



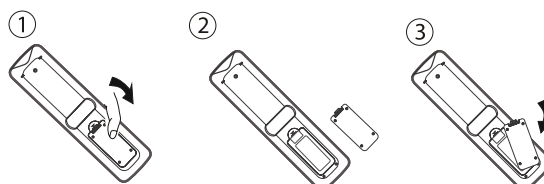
①	<b>DC IN</b>	Direct current input.
②	<b>Headphone jack</b>	Headphone audio output terminal.
③	<b>USB input</b>	Connect a USB flash drive to view MPEG2 videos, JPEG images or listen to MP3 songs.
④	<b>Digital Out</b>	Connect various types of digital audio equipment.
⑤	<b>HDMI In</b>	Connect a HDMI device to receive digital audio and uncompressed digital video.
⑥	<b>VIDEO In</b>	Connect the video signal from a video device to this jack.

⑦	<b>Component Input</b>	Connect a component video device to these jacks.
⑧	<b>AUDIO In</b>	Connect the audio L/R cables from the video signal source to these jacks.
⑨	<b>AUDIO In</b>	Connect the audio L/R cables from the video signal source to these jacks.
⑩	<b>PC Audio In</b>	Connect the audio L/R cables from a computer to this jack.
⑪	<b>AUDIO OUT</b>	Connect the audio L/R cables to your audio equipment.
⑫	<b>PC Video In</b>	Connect a video cable from a computer to this jack.
⑬	<b>Antenna Input</b>	Connect cable or antenna signals to the TV, either directly or through your cable box.

## Remote Control

### Battery loading

- Slide open the cover of the battery compartment on the back of the remote controller.
- Load two (AAA) alkaline batteries in the compartment, (plus and minus poles to respective mark)
- Replace the cover of the battery compartment.



## Precautions

As strong light may interfere the signals, change your position to operate the remote controller if the television cannot be turned on or off as you expect.

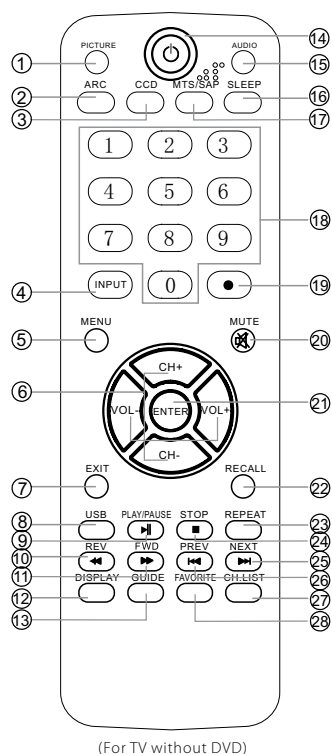
Keep the remote controller away from heat source or humid area to ensure effective performance of the remote controller.

Make sure that two AAA alkaline batteries are loaded. The batteries must be of the same type. The batteries must be located properly. The batteries are not rechargeable.

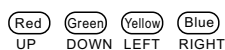
Make sure that there is no obstacle between the remote controller and television set.

## Remote control

The remote control cannot be operated unless the batteries are properly loaded. When using the remote control, aim it at the remote sensor on the TV.



### Color buttons



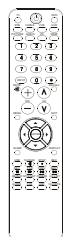
When functions are attached to the color buttons, the color buttons are shown on screen.

①	<b>PICTURE</b>	Press repeatedly to cycle through the available picture modes
②	<b>ARC</b>	Select the aspect ratio
③	<b>CCD (closed caption)</b>	Select a closed caption option
④	<b>INPUT</b>	Show the input source
⑤	<b>MENU</b>	Press to open the on-screen menu
⑥	<b>Thumbstick (Up/Down/Left/Right)</b>	Volume/Channel Selection, Allows you to navigate the on-screen menus and adjust the system settings to your preference.
⑦	<b>EXIT</b>	Clears all on-screen displays and returns to TV viewing from any menu
⑧	<b>USB</b>	Press to switch input source to USB in
⑨	<b>USB PLAY/PAUSE</b>	
⑩	<b>USB fast reverse</b>	
⑪	<b>USB fast forward</b>	
⑫	<b>DISPLAY</b>	Press to display the TV status information on the top of the TV screen
⑬	<b>GUIDE</b>	Display the guide when you are watching analog or digital channels
⑭	<b>Power</b>	Press to turn on and off the TV
⑮	<b>AUDIO</b>	Press to cycle through different sound settings
⑯	<b>SLEEP button</b>	Press to display the sleep timer option
⑰	<b>MTS/SAP</b>	Select MONO, STEREO, SAP in NTSC system
⑱	<b>Number buttons</b>	Press to change a channel
⑲	<b>. button</b>	Press to select digital channels. For example, to enter "54-3", press "54", "." and "3"
⑳	<b>MUTE</b>	Switches the sound on or off
㉑	<b>ENTER</b>	Accesses the highlighted item in the on-screen menu
㉒	<b>RECALL</b>	Press to jump back and forth between two channels
㉓	<b>USB REPEAT</b>	
㉔	<b>USB STOP</b>	
㉕	<b>USB Next Chapter</b>	
㉖	<b>USB Previous Chapter</b>	
㉗	<b>CH.LIST</b>	Open the channel list in TV
㉘	<b>FAVORITE</b>	Open the favourite channel list in TV

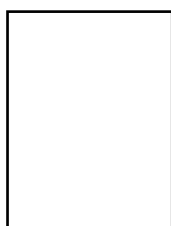
# Installation

## External Equipment Connections

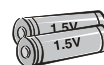
### Accessories



Remote control



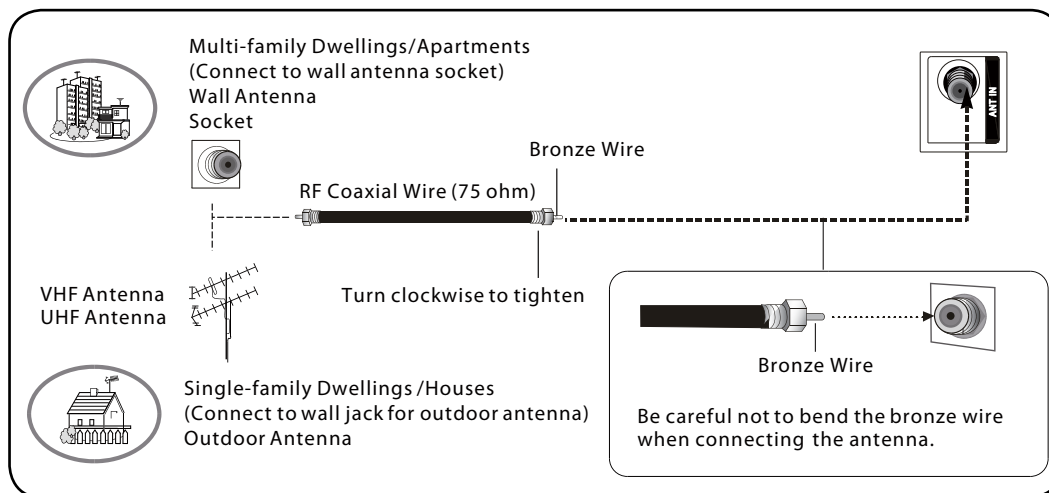
Owner's manual



Alkaline battery (AAA) x2

### Antenna Connection

Over-the-air TV reception quality will depend on your antenna type, antenna location and antenna positioning.



- To improve the picture quality in a poor signal area, please purchase a signal amplifier and install properly.
- If the antenna needs to be split for two TV's, install a "2-Way Signal Splitter" in the connections.
- To install the antenna properly please contact a professional in your area.

**Note**

- All cables shown are not included with the TV.

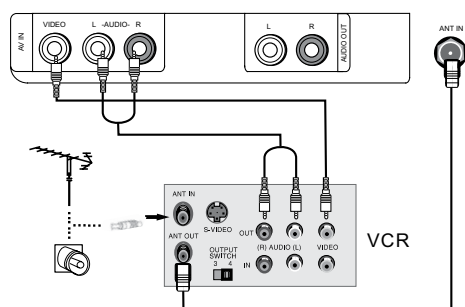


## Choose Your Connection

There are several ways to connect your television, depending on the components you want to connect and the quality of the signal you want to achieve. The following are examples of some different ways to connect your TV with different input sources.

## Connecting a VCR

To avoid picture noise (interference), leave an adequate distance between the VCR and TV.



### Connection Option 1

Set VCR output switch to channel 3 or 4 and then tune the TV to the same channel number.

### Connection Option 2

- 1 Connect the audio and video cables from the VCR's output jacks to the TV input jacks, as shown in the figure. When connecting the TV to VCR, match the jack colors (Video = yellow, Audio Left = white, and Audio Right = red). compared to connecting a regular VCR to the Video input.
- 2 Insert a video tape into the VCR and press **PLAY** on the VCR. (Refer to the VCR owner's manual.)
- 3 Select the input source with using the **INPUT** button on the remote control, and then press **▲ / ▼** button to select the source, press **ENTER** button to confirm.

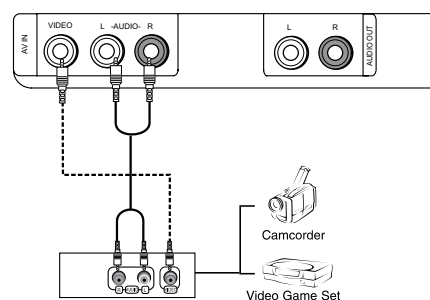
## External A/V Source Setup

### How to connect

- 1 Connect the audio and video cables from the

external equipment's output jacks to the TV input jacks, as shown in the figure.

- 2 When connecting the TV to external equipment, match the jack colors (Video = yellow, Audio Left = white, and Audio Right = red).



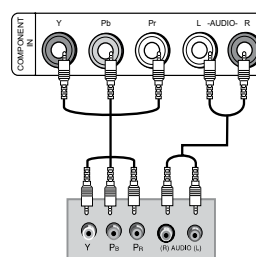
### How to use

- 1 Select the input source with using the **INPUT** button on the remote control.
- 2 Operate the corresponding external equipment. Refer to external equipment operating guide.

## Component Setup

### How to connect

Connect the DVD video outputs (COMPONENT) to the Y Pb Pr jacks on the TV and connect the DVD audio outputs to the YPbPr Audio IN jacks on the TV, as shown in the figure.



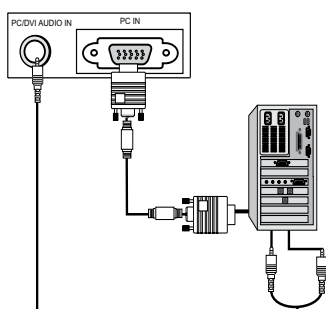
### How to use

- 1 Turn on the DVD player, insert a DVD disc.
- 2 Use **INPUT** button on the remote control to select proper input.

## Connecting a computer

### How to connect

- 1** To get the best picture quality, adjust the VGA graphics card to 1024×768.
- 2** Use the TV's VGA or DVI (Digital Visual Interface) Audio IN port for audio connections, depending on your computer connector.
  - If the graphic card on the computer does not output analog and digital RGB simultaneously, connect only one of either VGA IN or HDMI IN to display the VGA on the TV.
  - If the graphic card on the computer does output analog and digital RGB simultaneously, set the TV to either VGA or HDMI; (the other mode is set to Plug and Play automatically by the TV.)
- 3** Then, make the corresponding audio connection. If using a sound card, adjust the VGA sound as required.



### How to use

- 1** Turn on the computer and the TV.
- 2** Use INPUT on the remote control to select VGA or HDMI source.
- 3** Check the image on your TV. There may be noise associated with the resolution, vertical pattern, contrast or brightness in VGA mode. If noise is present, change the VGA mode to another resolution, change the refresh rate to another rate or adjust the brightness and contrast on the menu until the picture is clear. If the refresh rate of the VGA graphic card can not be changed, change the VGA

graphic card or consult the manufacturer of the VGA graphic card.

### Note

- Use a DVI cable.
- Avoid keeping a fixed image on the TV's screen for a long period of time. The fixed image may become permanently imprinted on the screen.
- The synchronization input form for Horizontal and Vertical frequencies is separate.

### Resolution

Mode	Resolution	Frame frequency (Hz)
VGA	640×480	60Hz
SVGA	800×600	60Hz
		75Hz
XGA	1024×768	60Hz
		75Hz

## Cable TV Setup

After subscribing to a cable TV service from a local provider you can watch cable TV programming. The TV cannot display TV programming unless a TV tuner device or cable TV converter box is connected to the TV. For further information regarding cable TV service, contact your local cable TV service provider(s).

### Connection Option 1

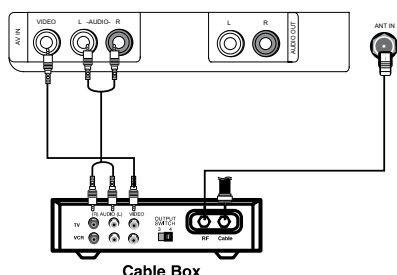
- 1** Select 3 or 4 with channel switch on cable box.
- 2** Tune the TV channel to the same selected output channel on cable box.
- 3** Select channels at the cable box or with the cable box remote control.

### Connection Option 2

- 1** Connect the audio and video cables from the Cable Box's output jacks to the TV input jacks, as shown in the figure. When connecting the TV to a Cable Box, match the jack colors (Video = yellow, Audio Left = white, and

Audio Right = red).

- 2 Select the input source by using the **INPUT** button on the remote control or on the TV.
- 3 Select your desired channel with the remote control for cable box.



## HDMI input

### How To Connect

Connect the cables from the external equipment's output jacks to the TV input jacks, as shown in the figure.

### How To Use

- 1 Select the input source by using **INPUT** button on the remote control or on the TV.
- 2 Operate the corresponding external equipment. Refer to external equipment operating guide.

## Operation

In the manual, the OSD (on screen display) may be different from your TV's, because it is just an example to help you with the TV operation.

There are several options you might need to set up in order for your TV to work properly. Read the instructions that follow.

## Switching On/Off the TV set

- 1 First, connect power cord correctly.
- 2 Select the viewing source by using **INPUT** button on the remote control.

- 3 When finished using the TV, press **POWER** button on the remote control. The TV reverts to standby mode.
- 4 If you intend to be away on vacation, disconnect the power plug from the wall power outlet.

### Note

- If the TV in power on , the screen show information according the type of input signal, the information will disappear. If there is no signal, "No Signal" will display on the screen.

## Choose the Menu Language

When you start using your set for the first time, you must select the language which will be used for displaying menus and indications.

- 1 Choose **TV** Input and then press **MENU** button.
- 2 Press **CH+/-** button to select **Function** menu.
- 3 Press **VOL+** or **ENTER** button and then use **CH+/-** button to select **Language**.
- 4 Press **VOL+/-** button to select language. (**English, Spanish or French**)

Video	Language	English	◀▶
Audio	OSD Timeout	Short	◀▶
	OSD Transparency	Middle	◀▶
Channel	DPMS	On	◀▶
	Blue Screen	On	◀▶
Function	DCR	On	◀▶
Lock	Time Setup		▶▶
	Closed Caption		▶▶
	Default		▶▶

Function      [CH+/-] Select [EXIT] Back

## Choose the Input source

Change the picture source so you can watch your TV, VCR, DVD, Cable, or any other devices that are connected to your TV.

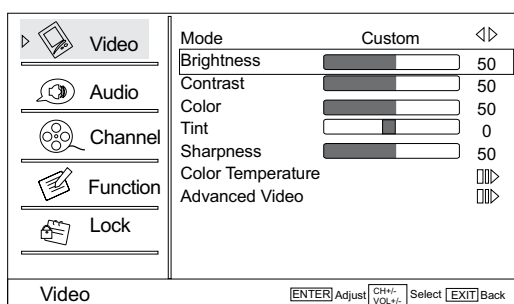
- 1 Press **INPUT** button to enter the Select Source menu and then use **CH+/-** button to select the desired items (TV, composite, Component, PC, HDMI).
- 2 Press **ENTER** button to confirm.

## Video Menu Options

- Picture quality can be adjusted for any input separately.

The picture quality on the screen can be adjusted as follows:

- Press **MENU** button and then use **CH+/-** button until the **Video** menu appears on the screen.
- Press **VOL+ / ENTER** button to enter the menu function and **CH+/-** button to scroll up and down to select the desired function.
- Press **VOL+ / ENTER** button to confirm and **VOL+/-** button increase and decrease the level to adjust the selected option to your preference.
- Repeat step 2 and step 3 until desired picture quality has been achieved.



### Note

- The options may be different because of the inputs.
- Symbols on top of the menu in this manual may differ from the actual set display.
- The picture options can be changed only in Custom mode, the other modes are fixed.

## Function

- Mode:** Select the type of picture which best corresponds to your viewing requirements by selecting picture mode in Video menu. You may select the picture mode directly by pressing the PICTURE button on the remote control.
- Brightness:** Press **CH+/-** button and **VOL+ / ENTER** button to confirm, then press **VOL+/-** button to adjust the brightness of the picture.

- Contrast:** Press **CH+/-** button and **VOL+ / ENTER** button to confirm, then press **VOL+/-** button to adjust the contrast of the picture.

- Color:** Press **CH+/-** button and **VOL+ / ENTER** button to confirm, then press **VOL+/-** button to adjust the color saturation.

- Tint:** Adjust the tone of the picture.

**Sharpness:** Adjust the amount of the detail enhancement, the image sharpness rises as the number increases (By increasing the level, it will show cleaner and clearer images and by decreasing the level, it will make the picture smoother).

- Color temperature:** This will increase or decrease Warm (red) and Cool (blue) colors to suit personal preferences. Select Cool to give the white colors a blue tint, Standard to give the white colors a neutral tint, Warm to give the white colors a red tint. User to allow you change the color manually.

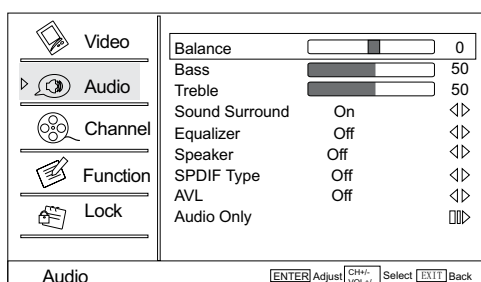
- Advanced Video:** To adjust the picture in advanced level:

- DNR:** Digital Noise Reduction, to adjust to reduce the appearance of digitizing error caused by the compress: Medium/Strong/Auto/off/Low.
- MPEG NR:** To adjust the MPEG Noise Reduction: Medium, Strong, Off and Low.
- Adaptive Luma Control:** To adjust changes in the luminance of the picture On or Off.
- Flesh Tone:** To adjust the flesh colors: High, Off, Low or Medium.
- Blue Stretch:** To set Blue Stretch: On and Off.
- Game Mode:** To set Game Mode: On and Off.

## Audio Menu Options

Sound can be adjusted for any input as follows:

- Press **MENU** button and then **CH+/-** button until the following menu appears on the screen.



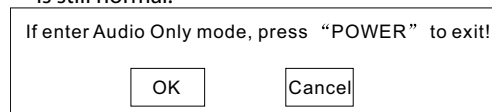
- 2 Press **VOL+ / ENTER** button to enter the menu and **CH+/-** button to go up and down to select the desired option.
- 3 Press **VOL+ / ENTER** button to confirm and **CH+/-** button increase and decrease the level to adjust the selected option to your preference.
- 4 Repeat step 2 and step 3 until desired audio quality has been achieved.

## Function

- ❖ **Balance:** Press **CH+/-** button and **VOL+ / ENTER** to confirm, then press **VOL+/-** to adjust the audio output between left and right speakers.
- ❖ **Bass:** Press **CH+/-** button and **VOL+ / ENTER** button to confirm, then press **VOL+/-** to increase or decrease the level of the lower-pitched sounds.
- ❖ **Treble:** Press **CH+/-CH+/-** button and **VOL+ / ENTER** to confirm, then press **VOL+/-** to increase or decrease the level of the higher-pitched sounds.
- ❖ **Sound surround:** To turn the simulated surround sound on or off.
- ❖ **Equalizer:** To adjust the equalizer Off /Rock /Pop /Live /Dance/ Techno /Classic and Soft.
- ❖ **Speaker:** To adjust the speaker on or off.
- ❖ **SPDIF Type:** To adjust the SPDIF output: Off /Dolby Digital and PCM.
- ❖ **AVL:** This will reduce the differences in volume level among broadcasters.
- ❖ **Audio Only:** Press **VOL+ / ENTER** button to confirm, the following display will appear on the screen:

Press **VOL-** to select **OK**, then press **OK** to confirm. The TV screen will be black and no picture, but the sound

is still normal.



You can press **POWER** button to reveal the picture on the screen.

## SAP Broadcasts Setup

This TV can receive MTS stereo programs and SAP (Secondary Audio Program) that accompanies the stereo program; if the station transmits an additional sound signal as well as the original one.

When having selected SAP button on the remote control, this TV can only receive the signal when the TV station transmits the proper signals.

Mono sound is automatically received if the broadcast is only in Mono; even though Stereo or SAP has been selected.

Select Mono if you want to listen to mono sound during stereo/SAP broadcasting.

Stereo or SAP can be received in a Analog channel.

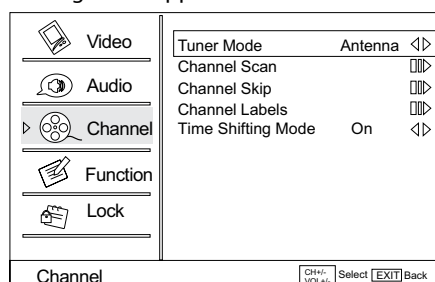
- 1 Use the SAP button to select your desired MTS mode in a analog signal. Each time you press the SAP button, Mono, Stereo or SAP appear. If other languages are available on the digital signal, select them with the SAP button.

- 2 Press EXIT button to save and return to TV viewing.

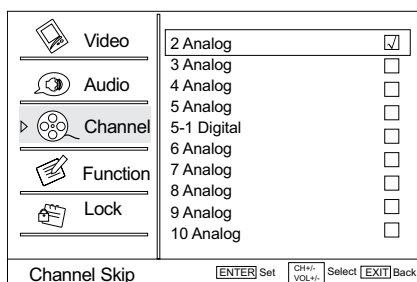
## Channel Menu Options

Channel menu will appear in main menu only in TV mode.

- 1 Press **MENU** button and **CH+/-** button until the following menu appears on the screen.

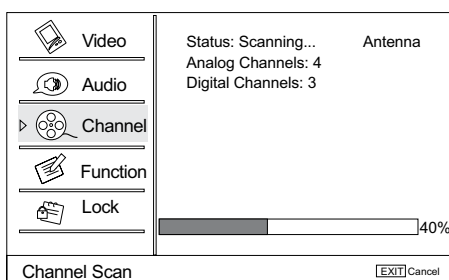


- 2 Press **VOL+ / ENTER** button to enter the menu and **CH+/-** button to go up and down to select the desired option.
- 3 Press **VOL+ / ENTER** button to confirm and **VOL+/-** button increase and decrease the level to adjust the selected option to your preference.
- 4 Repeat step 2 and step 3 until desired audio quality has been achieved.



## Function

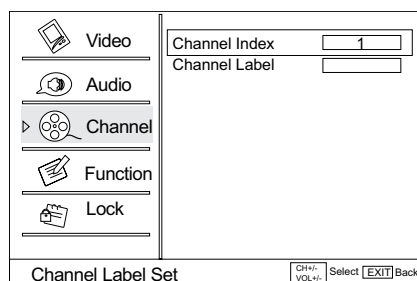
- ❖ **Tuner Mode:** Press **VOL+ / ENTER** button to select Antenna or Cable.
- ❖ **Channel Scan:** Press **VOL+ / ENTER** button to start to scan, press **EXIT** to cancel.



All channels now available will be automatically preset in order. After the search has finished, the first program number will display on the screen. This search automatically adds only the active channels in your area to the TV's memory. It deletes any channels on which there is no broadcast or a poor signal. The channels found are automatically saved.

- ❖ **Channel Skip:** Press **VOL+ / ENTER** button to enter the submenu, then press **CH+/-** button to select the channel number (eg.2) and press **ENTER** to confirm, a mark will be display in the pane as follows and this channel will be skipped next time you press **CH+/-** button but you can press digits button to select the channel. If you want to resume the channel, press **ENTER** button again.

- ❖ **Channel Labels:** Allows you to name the channel that is selected. Press **VOL+ / ENTER** button to enter the submenu.

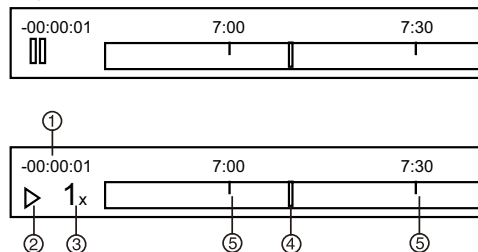


Then press **CH+/-** button to select Channel Index and **VOL+/-** button to select the position of the item that you want to change, afterward press **INPUT** to input the numbers and symbols and **ENTER** button to confirm.

- ❖ **Time Shifting Mode:** To turn the Time Shifting Mode on or off.

- 1 Set the Time Shifting On, then insert the USB drive in the USB input.
- 2 Press **PLAY/PAUSE** to play or pause the program. If you want to stop time shift function, press the **STOP** button.

You can stop the time shift program being played by pressing the **STOP** button.



1. Timeshift time. The time offset to the current time.
2. Playback status: It shows the playback status for timeshift component.

	<b>Play</b>		<b>Fast forward</b>
	<b>Pause</b>		<b>Fast reverse</b>

3. Playback speed. 1x, 2x, 4x, 8x, 16x, 32x.

4. Playback position. The playback position is always at the center of the time bar.

5. Time scale, which shows the scales of every half hour. The text would move smoothly as the time go by. And the time scale text could be cut-off if the text is on the boundary.

**Note**

- Time Shift function is only available in DTV mode.
- The maximum recording duration is determined bduration time can be calculated by the formula.
- The timeshift record only supports FAT32 file-system.
- The timeshift record supports more than 4GB recording. That is, the timeshift data is stored in multi-file to resolve the FAT32 4 GB limitations.
- The recording buffer is a ring buffer. For ring buffer, if the maximum recording duration is reached, the oldest program would be discarded and keep recording the latest program.
- When changing channel or changing input source, the timeshift would stop automatically.
- Timeshift record will store the fact of no signal.
- Timeshift record will store the video, audio and data service. But because of the limited number of PID filter in hardware, we only support:

Video streams: Max 1 stream

Audio streams: Max 8 streams

CC stream: No limited.

- In recording, the data is not guaranteed to be stored in the disk. If the timeshift playback plays a corrupted data block, it would show "Data lost" message to indicate that the current data is not stored correctly

## Function Menu Options

- 1** Press **MENU** button and **CH+/-** button until the following menu appears on the screen.

	Video	Language	English	◀▶
	Audio	OSD Timeout	Short	◀▶
	Channel	OSD Transparency	Middle	◀▶
	Function	DPMS	On	◀▶
	Lock	Blue Screen	On	◀▶
		DCR	On	◀▶
		Time Setup		▶▶▶
		Closed Caption		▶▶▶
		Default		▶▶▶
<b>Function</b>		CH+/- Select [EXIT] Back		

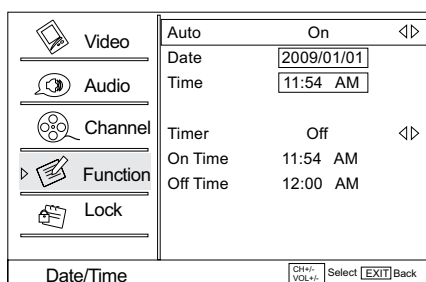
- 2** Press **VOL+/-** **ENTER** button to enter the menu and **CH+/-** button to go up and down to select the desired option.
- 3** Press **VOL+/-** **ENTER** button to confirm and **VOL+/-** button increase and decrease the level to adjust the selected option to your preference.
- 4** Repeat step 2 and step 3 until desired quality has been achieved.

## Function

- ❖ **Language:** Press **VOL+/-** button to select language of the OSD.
- ❖ **OSD Timeout:** Press **VOL+/-** button to select **Middle /Short** and **Long** to change the time of the OSD display.
- ❖ **OSD Transparency:** Press **VOL+/-** button to select among **Low/High** and **Middle** to change the transparency of the OSD. To select Low, the OSD is opacity.
- ❖ **DPMS:** PC Power Management. To set On, the set will be in standby mode automatically if no signal in 2 minutes; if signal input, the set will be on again automatically.
- ❖ **Blue Screen:** Press **VOL+/-** button to select On, the screen will be in blue after 3 seconds if there is no signal.
- ❖ **DCR:** Press **VOL+/-** button to select On or Off.
- ❖ **Time Setup:** Press **VOL+/-** **ENTER** button to enter the submenu.
  - **Time Zone:** Press **VOL+/-** button to select the appropriate time zone.

	Video	Time Zone	▶▶▶
	Audio	Date/Time	▶▶▶
	Channel	Sleep Timer	Off ◀▶
	Function		
	Lock		
<b>Time Setup</b>		CH+/- Select [EXIT] Back	

- **Date/Time:** Press **VOL+/-** **ENTER** button to enter the submenu.



**Auto:** Press **VOL+/-** button to select On or Off . When Auto mode on , the time can not be adjusted. Select Off , you can operate to set the time manually.

**Date:** Press **VOL+/-** button to select the position and digits button to set the date.

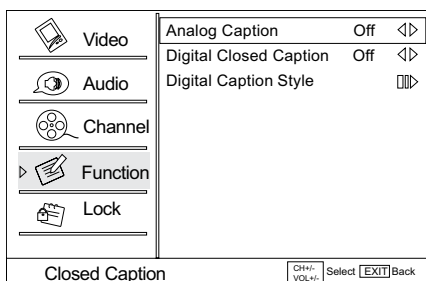
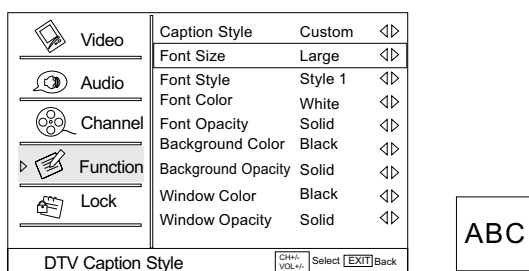
**Time:** Press **VOL+/-** button to select the position and digits button to set the time.

**Timer:** Press **VOL+/-** button to select On or Off . To select Off, the time can not be adjusted.

**On Time/Off Time:** Press **VOL+/-** button to select the position and digits button to set the time. Press **ENTER** button to switch on **AM** and **PM**.

- **Sleep Timer:** Press **VOL+/-** button to select the number of minutes: To select Off, 5Min, 10Min, 15Min, 30Min, 45Min, 60Min, 90Min, 120Min, 180Min or 240Min.

❖ **Closed Caption:** Press **VOL+/-** **ENTER** button to enter the submenu.



- **Analog Caption:** Press **VOL+/-** button to

select the Closed Caption options. It helps the hearing impaired with the broadcast program, as well as helping children learn how to read. A built in decoder displays the audio portion of a program as text on the screen when this option is selected.

CC1: When CC1 is displayed on TV means CC mode is turned on.

CC2 to CC4: For other modes of video related broadcast information.

Text1: For program guide and other information displayed by broadcasters. (This blocks a large portion of the picture on your screen).

Text2 to Text4 :For other modes of information displayed by broadcasters. (This blocks a large portion of the picture on your screen).

**IMPORTANT:** Closed captioning availability entirely depends on broadcasters supplying the signal. Therefore, closed captioning might not always be available and language availability will differ by broadcast.

Select CC1 for full translation of the primary language such as English in your area. Select CC2 for secondary language translation such as French or any other language that may be broadcast in your area.

- **Digital Closed Caption:** Press **VOL+/-** button to select Service1/Service2/Service3/Service4/Service5/Service6/Off.

- **Digital Caption Style:** Press **VOL+/-** **ENTER** button to enter the submenu.

**Caption Style:** To display the digital closed caption by head-end defined or user defined: As Broadcaster and Custom.

**Font Size :** To adjust the font size: Large, Small or Medium.

**Font Style :** To adjust the font style: Style1, Style2, Style3, Style4, Style5, Style6 and Style7.

**Font Color:** To adjust the font color: White, Green, Blue, Red, Cyan, Yellow, Magenta and Black.

**Font Opacity:** To adjust the font opacity: Solid, Translucent and Transparent.

**Background Color:** To adjust the background color: Black, White, Green, Blue, Red, Cyan, Yellow and Magenta.

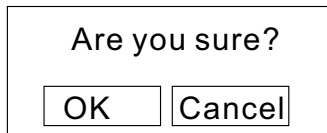
**Background Opacity:** To adjust the background opacity: Solid, Translucent and Transparent.

**Window Color:** To adjust the window color: Black, White, Green, Blue, Red, Cyan, Yellow and Magenta.

**Window Opacity:** To adjust the window opacity: Translucent, Transparent or Solid.



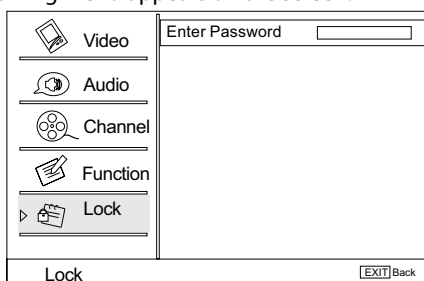
❖ **Default:** Press **VOL+ / ENTER** button to enter the submenu.



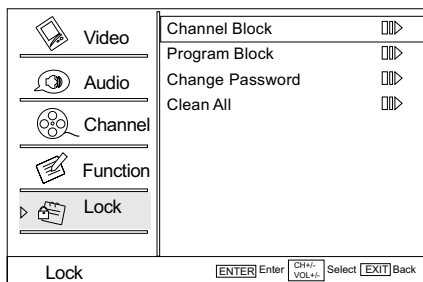
Press **VOL+/-** button to select OK or Cancel, then press **OK** to confirm. If **OK** the parameter will return to the factory set.

## Lock menu

❶ Press **MENU** button and **CH+/-** button until the following menu appears on the screen.

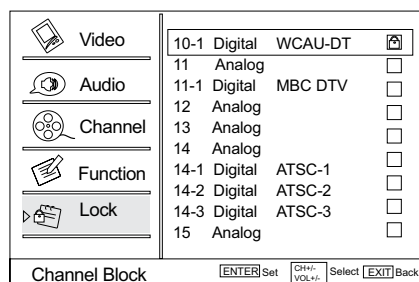


❷ Press **VOL+ / ENTER** button to enter and then press digits button to input the digits (The initial password is 0000. If you forget your password, you can always input 9443 to regain control). The menu will display as follows:



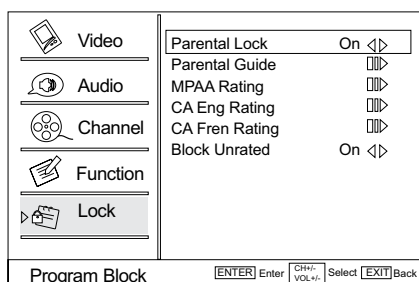
## Function

❖ **Channel Block:** Press **VOL+ / ENTER** button to enter the submenu as follows.



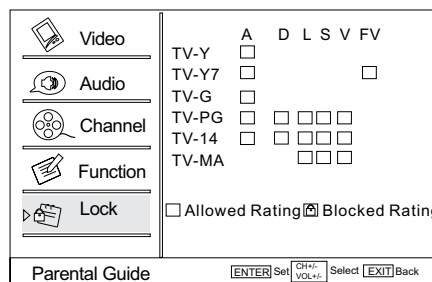
Press **CH+/-** button to select the channel you want to lock, then press **ENTER** button to confirm. The channel is locked and a lock mark appears in the pane. If you want to unlock the channel, repeat the operation above again. Then press **EXIT** to exit step by step.

❖ **Program Block:** **VOL+ / ENTER** button to enter the submenu as follows.



- **Parental Lock:** Press **VOL+/-** button to select On or Off. Used to lock all the system following. To set Off, the system following can not be available.
- **Parental Guide:** Press **VOL+ / ENTER** button to enter the submenu as follows. Press **CH+/- / VOL+/-** button to select the item you want to lock. Then press **ENTER** button to confirm to lock and press again to resume it. Parental Guide Technology: The "P.L. Technology" allows you to use U.S. and Canadian Movies and TV PROGRAMS Guide ratings to block certain types of TV programs and movies.

To clearly understand TV program rating codes, read the following information:



• **U.S. TV Program Ratings**

TV-Y: For all children - these types of rated programs are designed for a very young audience, including children from ages 2-6.

TV-Y7: Directed towards older children - this type of rated programs may include comedic violence of mild physical, or may frighten children under the age of 7.

TV-G: General audience-these types of rated programs contains little or no violence, no strong language, and little or no sexual dialogue and situations.

TV-PG: Parental Guidance Suggested-this type of rated programs may contain limited violence, some suggestive sexual dialogue and situations, and rare language.

TV-14: Parents strongly cautioned-these types of rated programs may contain sexual content, strong language and more intense violence.

TV-MA: Mature audience only these types of rated programs may contain sexual violence, explicit sexual content and profane language.

(A)ALL: Blocks all available sub\_ratings.

(D)Dialogue: This type of rated programs contain dialogue with sexual content.

(L)Langug: This type of rated programs contain offensive language.

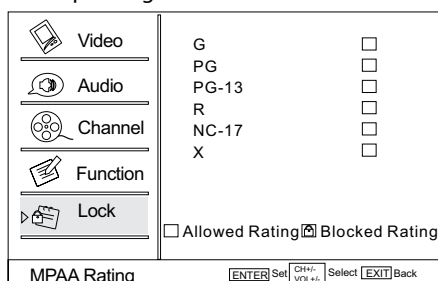
(S)Sex: This type of rated programs contain sex.

(V)Violence: This type of rated programs contain violence.

(FV)Fantasy Violence : This type of rated programs contain Fantasy and cartoon violence.

• **MPAA Rating**

Press **VOL+ / ENTER** button to enter submenu as follows. Then press **CH+ / -** button to select the item you want to lock. Then press **ENTER** button to confirm to lock and press again to resume it.



To understand clearly about movie rating codes, read the following list:

U.S. Movie Rating Chart

G: General Audience-this type of movie rating means all ages admitted to see the movie.

PG: Parental guidance suggested. Some material may not be suitable for children.

PG-13: Parents Strongly Cautioned - this type of movie rating means some material may not be appropriate for children under13.

R: :Restricted- This type of movie rating means children under 17 of age require to be with parent or guardian.

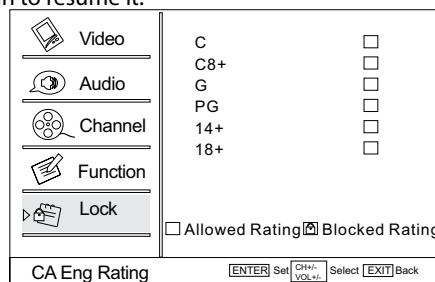
NC-17: This type of movie rating means no one 17 and under admitted.

X: This type of movie rating means adults only.

• **CA Eng Rating**

Press **VOL+ / ENTER** button to enter submenu as follows.

Press **CH+ / -** button to select the item you want to lock. Then press **ENTER** button to confirm to lock and press again to resume it.



To clearly understand Canadian program rating codes, read the following list:

Canadian English Rating Chart

C: This type of programming is intended for children under age 8. There is no offensive language, nudity or sexual content.

C8+: These type of rated programs are generally considered acceptable for children 8 years and over. There is no profanity, nudity or sexual content.

G: These type of rated programs are generally suitable for all audiences.

PG: Parental Guidance Suggested -in these types of rated programs, some material may not be suitable for children.

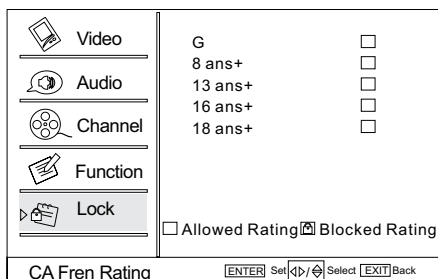
14+: In these type of rated programs, some content may not be suitable for viewers under the age of 14. Parents are strongly cautioned not to have their children view 14+ rated programs by pre-teens and early teens.

18+: Adults Only-these types of rated programs are only for adult viewers only.

• **CA Fren Rating**

Press **VOL+ / ENTER** button to enter submenu as follows.

Press **CH+/-** button to select the item you want to lock. Then press **ENTER** button to confirm to lock and press again to resume it.



**Canadian French Rating Chart**

**G:** These types of rated programs are generally suitable for all audiences.

**8 ans+:** Children 8 years and above (French)

**13 ans+:** 13 years old and above(French)

**16 ans+:** 16 years old and above(French)

**18 ans+:** Adults Only-these types of rated programs are only for adult viewers only.

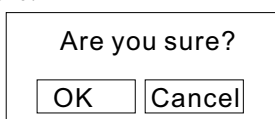
• **Blocked Unrated**

Press **CH+/-** button to select On or Off. Used to lock all the channel not rated.

Password:

❖ **Change password:** Press **VOL+/-** **ENTER** button to enter the submenu, press digits button to input the number of 0-9 twice in the New Password and Confirm Password. Then you can change the password when you input the same number twice.

❖ **Clean All:** Press **VOL+/-** **ENTER** button to enter the submenu:



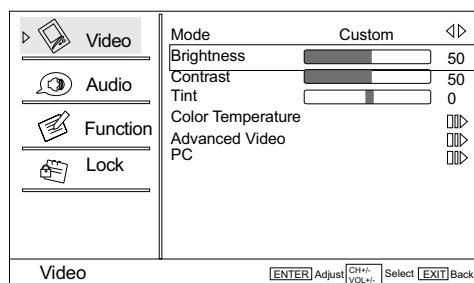
Press **VOL+/-** button to select OK or Cancel then **OK** to confirm. If OK, the parameter will return to the factory set.

**Note**

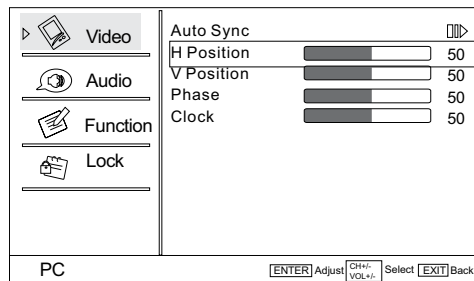
- ❑ If there is any lock mark on the top of the set such as channel lock, parental lock and so on, you can press OK to resume it. (Press OK to display password menu and input your password.)

## PC menu

- 1 Press **MENU** button and **CH+/-** button to select **Video** menu in PC mode.
- 2 Press **VOL+/-** **ENTER** button to enter the Video menu and **CH+/-** button to go up and down to select the desired option .
- 3 Press **VOL+/-** **ENTER** button to confirm and **VOL+/-** button to increase and decrease the level to adjust the selected option to your preference .
- 4 Repeat step 2 and step 3 until desired quality has been achieved.



❖ **PC:** Press **CH+/-** button to select and **VOL+/-** **ENTER** button to confirm, the PC menu as below:



- **Auto Sync:** Press **CH+/-** button and then press **▶** button to adjust that automatically adjusts the available options for the best viewing configuration.
- **H Position:** Press **CH+/-** button and then press **VOL+/-** button to adjust the horizontal position of the picture.
- **V Position:** Press **CH+/-** button and then press **VOL+/-** button to adjust the vertical position of the picture.
- **Phase:** Press **CH+/-** button and then press **VOL+/-** button to adjust the phase of the picture.
- **Clock:** Press **CH+/-** button and then press **VOL+/-** button to adjust the clock of the picture.

## USB Input

- 1** Supporting media and file format: Digital pictures (.JPG/.JPEG/.BMP(Baseline & Progressive)/.PNG), digital music (.MP3(8~320kbps)) and Video(.avi/.mpg/.mpeg/.vro/.vob/.ts coded with MPEG-1 or MPEG-2 standard) files.
  - Due to differences in the file code and file mode, It is possible that some files cannot be read.
- 2** Before starting operation, verify USB storage device is of FAT32 file system format. At present, this television does not support NTFS and the file systems of other format.
- 3** Supports USB/Memory Card Plug & Play (don't need to reset TV system),USB Hard-drive support - only support the class of USB HD that follows USB power consumption spec.
- 4** The television operation may be halted due to excessive rate of information code errors. In such case, restart the system. Please note - there are many nonstandard USB mobile devices in the market. If a nonstandard device is used then an identification problem may occur.

## USB Media Menu operation

- 1** Plug-in an external storage device into USB port.
- 2** Press **USB** button on the remote to display multimedia.
- 3** Press **ENTER** button on the remote to display the sub page.
- 4** Press **EXIT** button on the remote to return to the previous menu.

## To play pictures

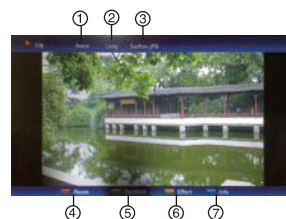
- 1** Press **USB** button on the remote to enter USB media system.The system start up takes about 3 seconds.
  - Then insert the USB drive in the USB input.



- 2** Press **MENU** button, and the press **CH+/-** to select Media Type , Press **ENTER** and press **CH+/-** to select Photo.



- 3** Press **CH+/-/VOL+/-** button to select folder or file, and then press **ENTER** button to enter the play interface.



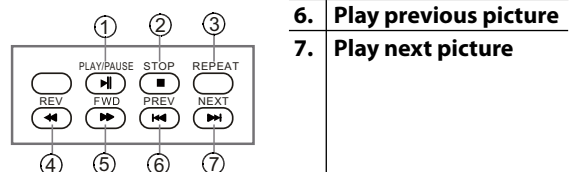
<b>1. Play mode:</b> None/Dissolve/Wipe right/ Wipe left/Wipe up/Wipe down/Box in/Box out/ Random	<b>3. File name</b>
<b>2. Play time:</b> Short/Medium/Long	<b>4. Pause</b>
	<b>5. Duration</b>
	<b>6. Effect</b>
	<b>7. Information</b>

- 4** Press **MENU** button to display the option list.



<b>1. Play/Pause</b>	<b>4. Duration</b>
<b>2. Repeat</b>	<b>5. Effect</b>
<b>3. Shuffle</b>	<b>6. Information</b>

- 5** Press the button on the remote control to select the adjusted item, press **ENTER** button to confirm.



- 6. Play previous picture
- 7. Play next picture

6 Press **EXIT** button to return to the previous menu.  
Press **USB** button to exit the USB mode.

**Note**

☐ You may play the pictures among selected.

### To play music

1 Press **USB** button on the remote to enter stream media system.



2 Press **MENU** button, and the press **CH+/-** to select Media Type , Press **ENTER** and press **CH+/-** to select Music.

3 Press **CH+/-/VOL+/-** button to select folder or file, and then press **ENTER** button to enter the play interface.



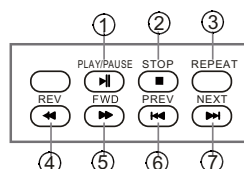
1. Play Time	4. Shuffle On or Off
2. File Name	5. Audio Only
3. Repeat	6. Information

4 Press **MENU** button to display the option list.



1. Play/Pause	4. Show Info
2. Repeat	5. Show Spectrum
3. Shuffle On or Off	6. Audio Only

5 Press the button on the remote control to select the adjusted item, press **ENTER** button to confirm.



- 1. Play or pause
- 2. Stop
- 3. Repeat
- 4. Fast reverse
- 5. Fast forward
- 6. Play previous music
- 7. Play next music

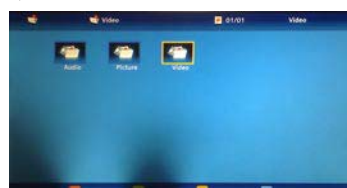
6 Press **EXIT** button to return to the previous menu.  
Press **USB** button to exit the USB mode.

**Note**

☐ You may play the music among selected.

### To play video

1 Press **USB** button on the remote to enter stream media system.



2 Press **MENU** button, and the press **CH+/-** to select Media Type , Press **ENTER** and press **CH+/-** to select Video.

3 Press **CH+/-/VOL+/-** button to select desired video folder, and then press **ENTER** button to enter the play interface.



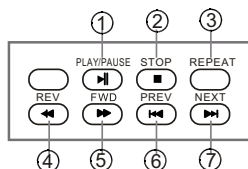
1. Play Time	4. Shuffle On or Off
2. File Name	5. Audio Only
3. Repeat	6. Information

4 Press **MENU** button to display the option list.



1. Play/Pause	4. Picture Mode
2. Repeat	5. Screen Mode
3. Show Info	

5 Press the button on the remote control to select the adjusted item, press **ENTER** button to confirm.



1. Play or pause
2. Stop
3. Repeat
4. Fast reverse
5. Fast forward
6. Play previous music
7. Play next music

6 Press **EXIT** button to return to the previous menu. Press **USB** button to exit the USB mode.

**Note**

- Do not remove USB device from the TV until you have exited the USB mode otherwise you may damage the USB device.

## Maintenance

### Maintenance

Early malfunctions can be prevented. Careful and regular

cleaning can extend the amount of time you will have your new TV. 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.
- 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

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.

## Specification

### Product Specification

<b>Resolution(Dot)</b>	19"	22"
	1366 × 768	1920 × 1080
<b>Power requirement</b>	120V~ , 60Hz	
<b>Stand-by Consumption</b>	less than 1W	
<b>Color system</b>	NTSC, ATSC, Clear QAM	
<b>External Antenna Impedance</b>	75 ohm	
<b>Color</b>	16,770,000 (256 steps of each R, G and B)	

<b>Operating Temperature Range</b>	32~104 °F (0~40 °C)
<b>Operating Humidity Range</b>	Less than 80%
<b>Maximum Elevation</b>	6561 feet (2000m)
<b>Accessories</b>	Remote control Batteries User manual Quick start guide

\* The specifications shown above may be changed without prior notice for quality improvement.

## Troubleshooting

### Troubleshooting

- For the sake of time and cost, it is strongly recommended that you check out the problem by yourself according to the instructions listed hereunder before contacting the after-sales service for technical assistance.

<b>No picture, no sound</b>	Verify if the television is properly plugged. Verify if the television is properly supplied power. Verify if electricity is available.
<b>Blank screen</b>	Verify if correct signals are input. Press <b>INPUT</b> button to change signal input to TV input. Restart the television of power supply is interrupted.
<b>No sound</b>	Press <b>Mute</b> button and verify if Mute mode is set. Switch to other channel and verify if the same problem happens. Press <b>VOL+</b> button to see if the problem can be solved.
<b>Poor sound</b>	Verify if sound system is correct. Refer to Page 18 for adjustments.

<b>No picture in some channel</b>	Verify if correct channel is selected. Adjust the antenna. Make adjustments by Fine Tune and Manual Scan.
<b>No color for some channel program (black and white)</b>	Verify if the same problem exists in other channels. Check out of picture and sound systems. Refer to relative instructions in the Manual for color adjust.
<b>Spots with some or all pictures</b>	Verify if the antenna is correctly connected. Verify if the antenna is in good condition. Make fine adjustment of channel.
<b>Horizontal/vertical bars or picture shaking</b>	Check for local interference such as an electrical appliance or power tool.
<b>Television out of control</b>	Disconnect the television from power supply and, 10 seconds later, connect the television to the power supply. If the problem still exists, contact authorized after-sales service for technical assistance.

 **Note**

- Do not leave the television with static picture in an extended period as the image may become permanently burned.

 **Note**

- The TV set must only be repaired by a qualified registered service person. Never attempt to remove the back cover as the TV set has dangerous voltages levels inside that may be fatal or cause fire.

## Warranty

### Warranty

This Haier brand product, when shipped in its original container, will be free from defective workmanship and materials, and agrees that it will, at its option, either repair the defect or replace the defective product with a new or remanufactured equivalent at to the purchaser, for parts

## Warranty

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or labor for the periods set forth below:

This warranty does not apply to the appearance of the product or the exterior of the product, which has been damaged or defaced, altered or modified in design or construction. It does not apply to the additional excluded items set forth below:

The warranty commences on the date the item was purchased and the original purchase receipt must be presented to the authorized service center before warranty repairs are rendered.

The limited warranty described herein is in addition to whatever implied warranties may be granted to purchasers by law. ALL IMPLIED WARRANTIES INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR USE ARE LIMITED TO THE PERIOD(S) FROM THE DATE OF PURCHASE SET FORTH BELOW. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

Neither the sales personnel of the seller nor any other person is authorized to make any warranties other than those described herein, or to extend the duration of any warranties beyond the time period described herein on behalf of Haier.

The warranties described herein shall be the sole and exclusive warranties granted by Haier and shall be the sole and exclusive remedy available to the purchaser. Correction of defects in the manner and for the period of time described herein, shall constitute complete fulfillment of all abilities and Responsibility of Haier to the purchaser with respect to the product, and shall constitute full satisfaction of all claims, whether based on contract, negligence, strict duality or otherwise. In no event shall Haier be liable, or in any way responsible for any damages or defects in the product which were caused by repairs or attempted repairs performed by anyone other than an authorized service center or dealer; nor shall Haier be liable, or in any way responsible for incidental or consequential economic or property damage. Some states do not allow the exclusion of incidental or consequential damages, so that above exclusion may not apply to you.

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS. YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.

Warranty period for this product: one year parts and labor.

Additional items excluded from warranty coverage: non-rechargeable batteries. Where to obtain service: For the location of the nearest Haier authorized service center or to obtain product literature, accessories, supplies or

customer assistance, please call 1-877-337-3639.

What to do to obtain service: ship or carry in your product to an authorized service dealer or center. Be sure to have proof of purchase.

If you ship the product, be sure it is packaged carefully.

Haier America  
New York, NY 10018



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