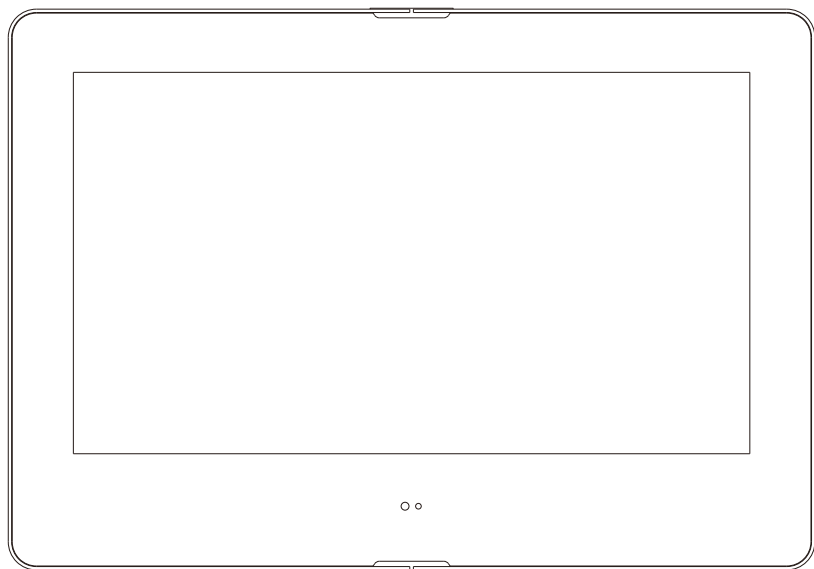


# AquaSound



Model: ASV2770X / ASV2770IX

## 27" waterproof TV

## Safety Information

### IMPORTANT SAFETY INSTRUCTIONS

Read these instructions.

Keep these instructions.

Heed all warnings.

Follow all instructions.

Do not use this apparatus near water.

Clean only with dry cloth.

Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.

Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.

Do not defeat the safety purpose of the polarized or grounding plug. A polarized plug has two blades with one wider than the other. A grounding plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.

Protect the power cord from being walked on or pinched particularly at the plugs, convenience receptacles, and at the point where they exit from the apparatus.

Only use attachments/accessories specified by the manufacturer.

Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart or rack is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.



511324

Unplug the apparatus during lightning storms or when unused for long periods of time. Refer all servicing to qualified 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 has been exposed to rain or moisture, does not operate normally, or has been dropped.

**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.

**WARNING :** To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture. The apparatus shall not be exposed to dripping or splashing and that objects filled with liquids, such as vases, shall not be placed on apparatus.

**WARNING:** The mains plug is used as disconnect device, the disconnect device shall remain readily operable.



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

- Warning: To reduce the risk of electric shock, do not remove cover (or back) as there are no user-serviceable parts inside. Refer servicing to qualified personnel.

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

Apparatus with class I construction shall be connected to a mains socket outlet with a protective earthing connection.

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## TV Specification

Screen size	27"
Display Type	TFT LED
Resolution	1920 X 1080
Aspect Ratio	16:9
Alimentation	DC 12V $\overline{=}$ 5A
Audio Output	L/R 8W X 2
Dimensions(With stand)	715.0 X 82.7 X 497.2 mm

**Note:**

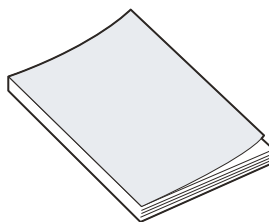
Design and specification modification maybe made at any time without prior notice, all data and dimensions are approximations.

## Accessories

Please make sure the following items are included with your LED TV.  
If any items are missing, contact your dealer.

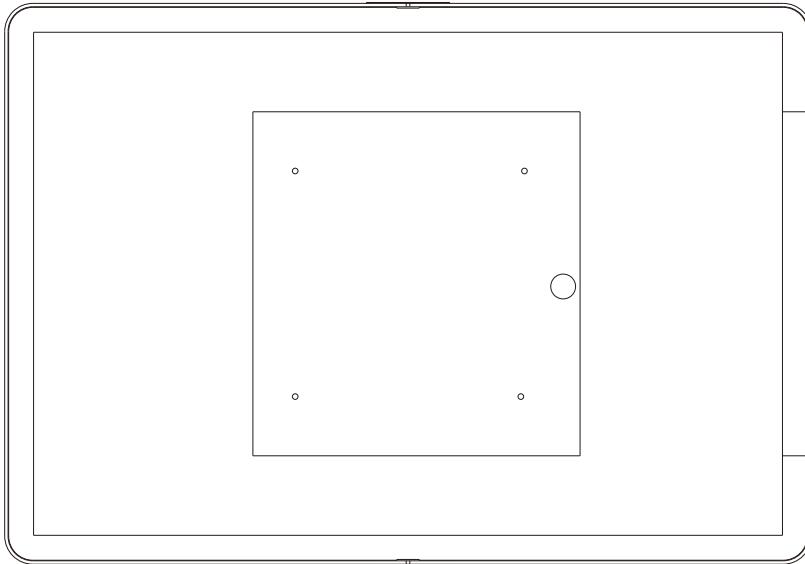


**Remote Control**



**Owner's Instructions**

## Overview of back panel



POWER IN DC 12V    EARPHONE OUT    COAXIAL OUT    HDMI 1 ARC    HDMI 2 MHL    VGA    SCART

DVB-S2    DVB-T2    YPbPr Mini    AV Mini    CI    PC AUDIO IN    USB

### 1. DC IN

input

### 2. EARPHONE

Connecting for headphone.

### 3. COAXIAL

The rear panel jacks on your TV make it easy to connect a Digital Audio System to your TV.

### 4. HDMI 1(ARC)

Connecting for HDMI Signal or ARC or Majestic Link

### 5. HDMI 2(MHL)

Connecting for HDMI Signal or MMMI

### 6. VGA

Connected to the VGA output jack on a personal computer.

### 7. SCART

Connecting for SCART signal.

### 8. DVB-S2

Connected to external SATELLITE to receive.

### 9. DVB-T2

Connected to external antenna to receive the ATV/DTV program in ATV/DTV mode.

### 10. MINI YPBPR

Connecting for the Y/Pb/Pr Input in Component mode.

### 11. MINI AV

Connecting for VIDEO signal input in Composite mode.

### 12. CI SLOT

Used to insert the CI card.

### 13. PC AUDIO IN

Connected to the audio output jack on a Personal computer.

### 14. USB

Connecting for USB device.

## Remote-Control Unit



## Remote-Control Unit

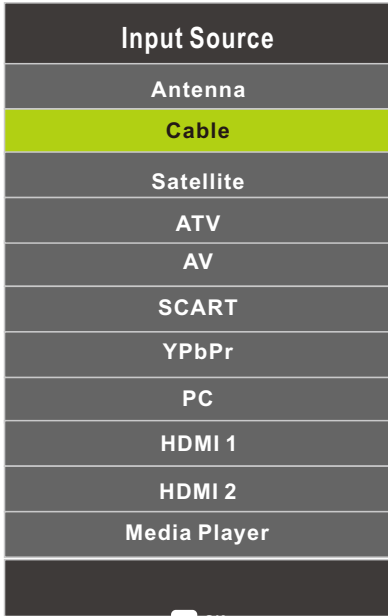
No.	Button	Description
1	<b>POWER</b>	Set your TV to power on or standby mode.
2	<b>MUTE</b>	Press to mute the sound. Press again to regain sound.
3	<b>DISPLAY</b>	Press to display the source and channel's info.
4	<b>AUTO</b>	AUTO adjust in the PC mode.
5	<b>INPUT</b>	Press to select signal sources for TV.
6	<b>P.MODE</b>	Select the picture mode.
7	<b>S.MODE</b>	Select the sound mode.
8	<b>SLEEP</b>	Set the time for the TV to turn off automatically.
9	<b>LCD MENU</b>	Allows you to navigate the on screen menus (OSD).
10	<b>EXIT</b>	Exit from the menu or sub-menu.
11	<b>◀▶ ▲▼</b>	Allows you to navigate the on-screen menus and adjust the system settings to your preference.
12	<b>ENTER</b>	Select the option.
13	<b>VOL+/-</b>	Press these two buttons to increase/decrease the sound volume.
14	<b>CH+/-</b>	Press these two buttons to change channels sequentially.
15	<b>ASPECT</b>	Press this button to select the aspect of screen.
16	<b>NICAM</b>	Select NICAM audio mode. Only be available for TV programmers with NICAM transmission, and default mode is mono.
17	<b>0-9</b>	Press 0-9 to select a TV channel directly. The channel will change after 2 seconds. Applicable for enter page number in TELETEXT mode.
18	<b>-/--</b>	Switch the program digit.
19	<b>↺</b>	Return to the previously viewed program.
20	<b>FAV</b>	Selects favorite channels.
21	<b>FAV+</b>	Press this FAV+ the favorite program list.
22	<b>FAV-</b>	Press this FAV- the favorite program list.
23	<b>EPG</b>	Press to display EPG (Electronic Program information).
24	<b>TEXT</b>	Switch on/off of Teletext window.
25	<b>HOLD</b>	Holds on the current page.
26	<b>⏮</b>	Play and Pause by Media-Player / DVD.
27	<b>SUBTITLE</b>	Press to select the subtitle language.
28	<b>INDEX</b>	Returns to Index page by Teletext.
29	<b>SIZE</b>	Zoom In or Out by Teletext window.
30	<b>REVEAL</b>	Shows hidden words or pages by Teletext.
31	<b>SUBPAGE</b>	Displays a sub-page of upper options.
32	<b>R (DELETE)</b>	Delete function button.
33	<b>G (RENAME)</b>	Rename function button.
34	<b>Y (MOVE)</b>	Move function button.
35	<b>B (SKIP)</b>	Skip function button.



## OSD Menu Operation

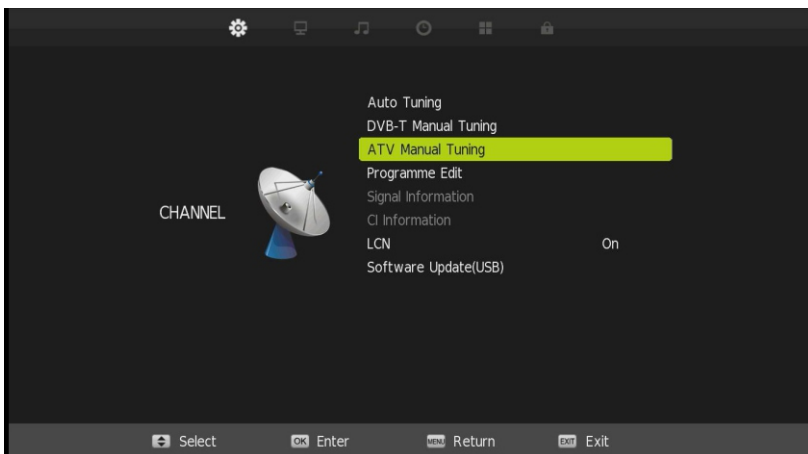
### ● TV MENU

Press source button to choose input source and start changing settings.



### ➤ Channel

**\*Under the source of Antenna**



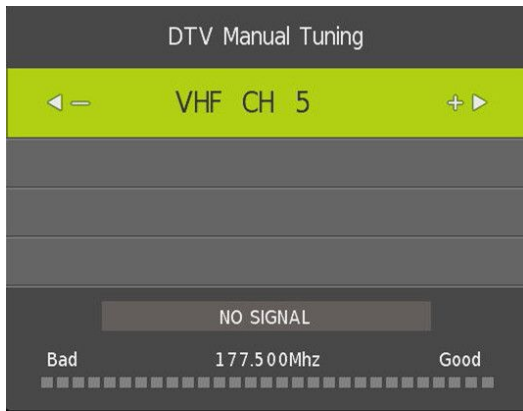
## OSD Menu Operation

### \* Auto tuning

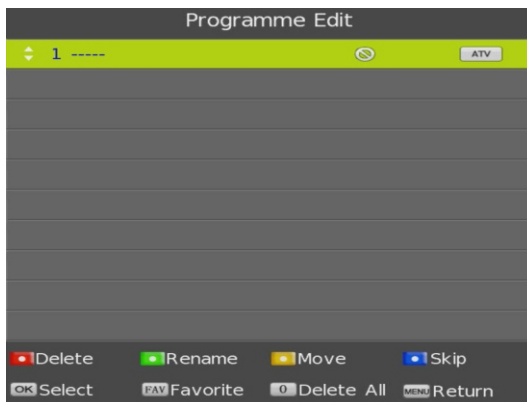
Select option of Auto Tuning under the up and down keys .After pressing OK button, the screen will appear the country list and you are able to chose what you want with arrow keys .Press OK button to start auto channel tuning and the screen show the programs number.

### \* DVB-T Manual tuning

Select channel number with left and right keys. Then press OK button to start manual tuning.



### ● Program Edit



## OSD Menu Operation

After choosing “program edit” option, you can press relevant button to edit program. The red button can help you delete program and the green button is used to rename. You can press yellow button to move and press blue button to skip program. When you press O, all programs can be deleted. The “FAV ” button

- **LCN**

Choose the option of LCN with up and down keys. Then you are able to open or close the function of LCN through left and right keys.

- **Software update**

Please prepare USB and relevant update files before software update. Then insert USB and choose this option. You should do according to system hint and remember not to pull out USB before finishing software update.

### \*Under the source of cable



## OSD Menu Operation

- Auto Tuning

press OK button again and the screen will appear the country list and you are able to chose what you want with arrow keys .Press OK button to start auto channel tuning and the screen show the programs number.



## OSD Menu Operation

Select option of auto tuning and press OK button to enter setting interface.

& scan mode: full, network scan    &Frequency: auto, 770000

&network ID: 65535, auto            &Symbol: 6900, auto

**NOTE:** under the source of ATV, the auto tuning method is identical with circumstance of DVB-C.

- **ATV Manual Tuning**

Press OK button to enter next interface when you select the option of ATV Manual Tuning. After setting sound system and other options, you can choose “search”option and press OK button.



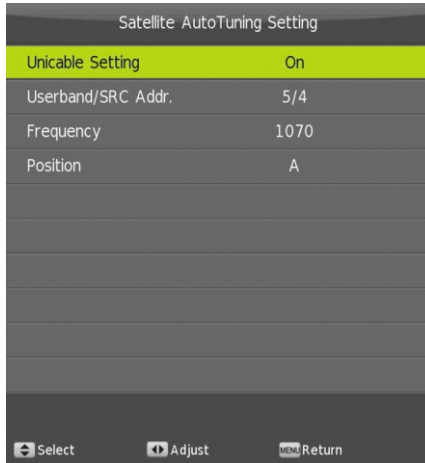
## OSD Menu Operation

### \*Under the source of Satellite

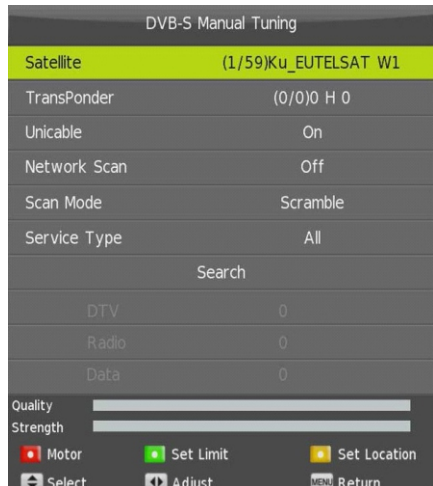
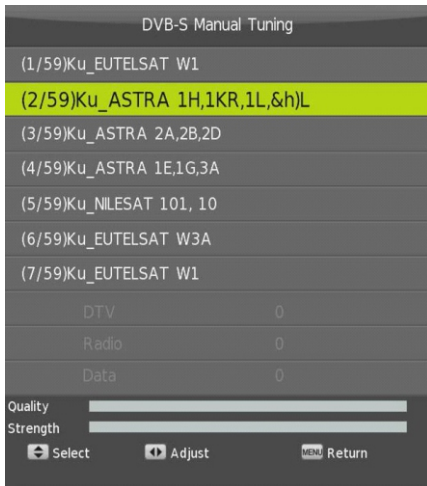
#### Satellite auto tuning setting

The concrete unicable setting includes userband/SRC Addr. , frequency and position.

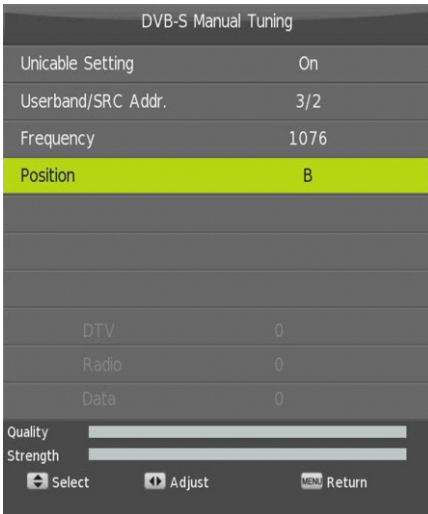
The userband have many options, such as 1/0, 2/1, 4/3, 7/6. The range of frequency is wild and you can set according to your need. The position can change to A/B



### DVB-S manual tuning



## OSD Menu Operation



Press OK button to show satellite name list and choose one when TV is in main manual tuning. Scan mode can be modified to preset/audio/blind screen .The system give you three service type including free, scramble, all .Please note that you are able to open/close network scan. The unicable setting under DVB-S manual tuning is same with auto tuning.

### Motor

First choose one satellite signal and press red button to set motor . You can modify specific direction for move auto ,move continue , move step. In this main interface, Goto position and preference can be set after pressing OK button. Please pay attention that the Goto X can change in the Diseq1.3



## OSD Menu Operation

### Set limit ,location

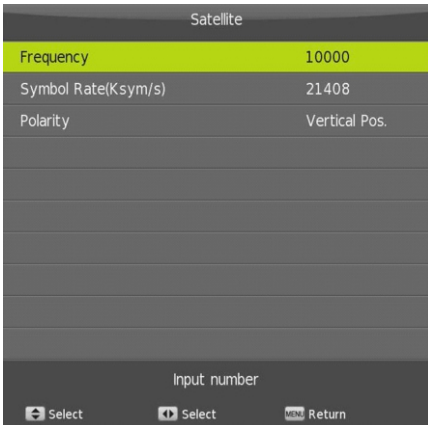


Choose one satellite signal and press green button to set limit. Not only can you set east and west limit, but also you have access to disable limit. If you press yellow button, you are able to set location. When you choose location by manual, other setting can not be modified. The system provides many location for you .

After you choose specific location , you have chance to set longitude angle.

**Note:** you also can set limit and location in the satellite edit interface.

### Satellite edit





## OSD Menu Operation

Choose one of satellite signal list and press OK button to enter setting interface. The orbit positions you can select are just 019.2E and 019.2W. For LNB type, the system provides many options to fit your needs. You can open one or close all about Diseqc. Diseqc1.0 can switch from LNB1 to LNB4.

Diseqc1.1 can support LNB from 1 to 16. As motor, you should choose Diseqc kind and then set move position. You are able to move audio from east or west. If you don't need it, you can set as stop.

The unicable setting is same with the circumstance of DVB-S auto tuning.

You should input satellite name, symbol rate, Polarity after pressing yellow button. Then you press OK button and the satellite addition can successfully finish.

Satellite	
(01/59) Ku_ASTRAL1H,1KR,1L,&h)L	019.2 E
(02/59) Ku_ASTRAL2A,2B,2D	028.2 E
(03/59) Ku_ASTRAL1E,1G,3A	023.5 E
(04/59) Ku_NILESAT 101, 10	007.0 W
(05/59) Ku_EUTELSAT W3A	007.0 E
(06/59) Ku_EUTELSAT W1	010.0 E
(07/59) Ku_BADR-2,3,4/EURO	026.0 E
(08/59) Ku_EUTELSAT SESAT	036.0 E
(09/59) Ku_EUTELSAT W2	016.0 E
(10/59) Ku_EXPRESS AM1	040.0 E

Delete Satellite
 Add Satellite

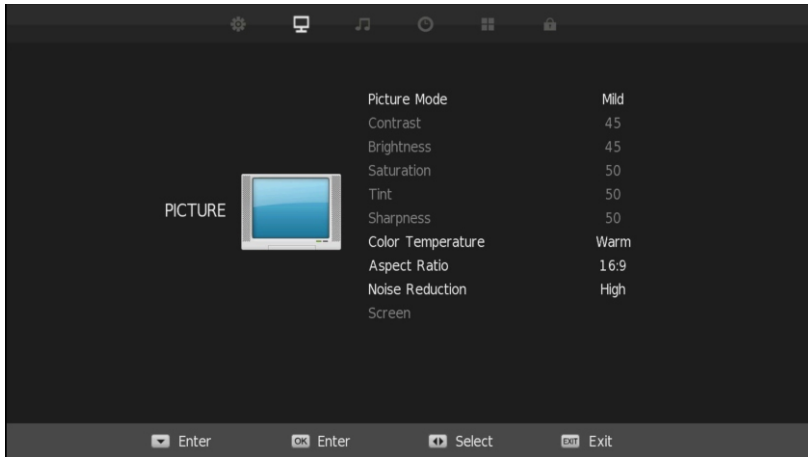
Select
 OK
 Return

Satellite	
Satellite Name	ASTRAL1H,1KR,...
Orbit Position	019.2 E
LNB Type	Universal
DISEQC1.0	Off
DISEQC1.1	Off
Tone 22KHz	AUTO
Transponder	
Unicable Setting	On
Motor	DISEQC1.2

Select
 Select
 Return

## OSD Menu Operation

### ➤ Picture



#### ● Picture Mode

Choose the picture menu with left and right keys. Then the up and down arrows can be used to select this item. The picture mode can be switched to **standard/dynamic/mild/user** through right key

#### ● Color temperature

Select the option of color temperature by the above-mentioned way, then change its setting with left and right keys. The color temperature can be **cool, warm, user mode**.

#### ● Noise Reduction

Select the option of noise reduction by the above-mentioned way, then change its setting with left and right keys. The color temperature can be **low/middle/high**

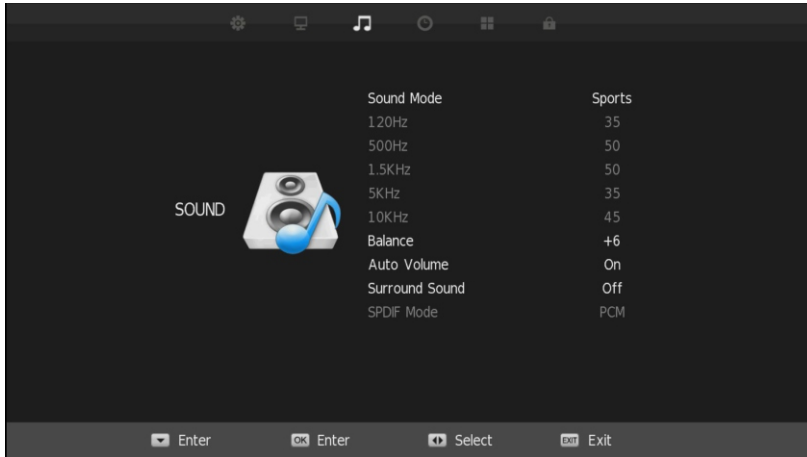
#### ● Aspect Ratio

You can select **ZOOM1, ZOOM2, 16:9 or 4:3** with left and right keys when the option of Aspect Ratio is picked.

● The value of These options including contrast, Brightness, sharpness, saturation can adjust with arrow keys only in the user mode.

## OSD Menu Operation

### ➤ Sound



- Sound mode

Choose the sound menu with left and right keys. Then the up and down arrows can be used to select this item. The sound mode can be switched to **music/movie/sports/stand/user**. with left and right keys.

- Balance

With the up and down keys, the option of balance can be selected. Then its value will change by left and right keys.

- Auto volume, Surround sound

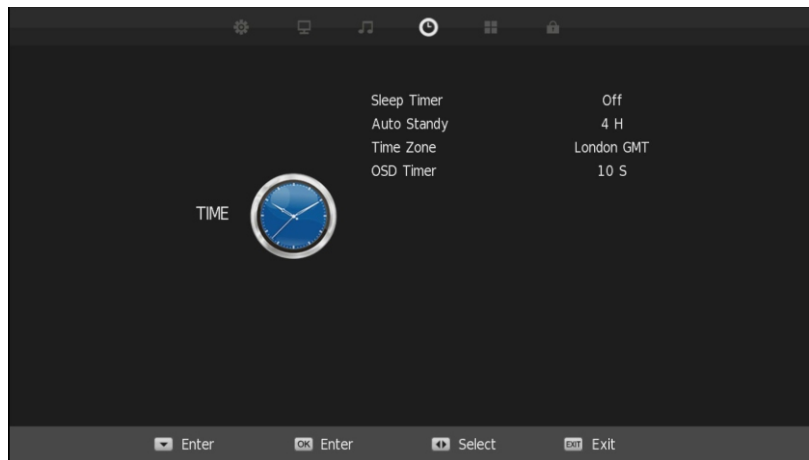
Select the option of Auto volume and press OK button. Then the Auto volume can be open or closed by left and right keys. This way suit to the adjustment of surround

- The other item

Only when the sound mode is user can you adjust items. Please choose the specific frequency and modify its value by right keys.

## OSD Menu Operation

### ➤ Time



- **Sleep timer**

Choose option of Sleep timer and press right key to alter sleep timer value. The system provides specific values that the min. value is 10 minutes and max. value is 240 minutes.

- **Auto standby**

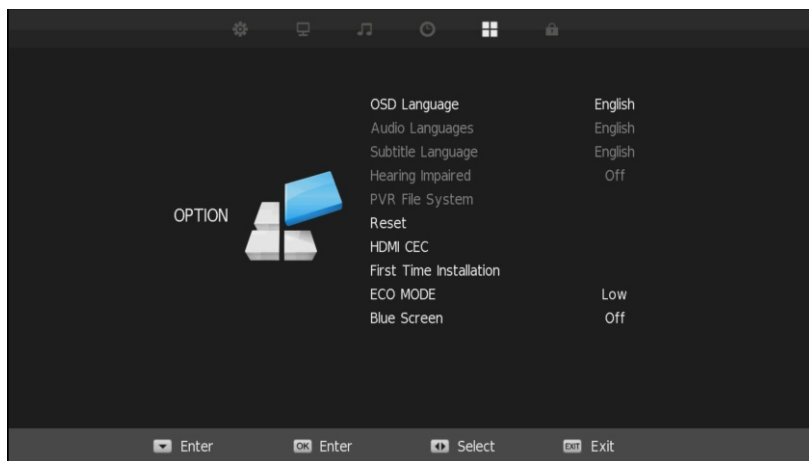
Choose option of auto standby and press right key to alter auto standby value. You can alter it to 3H/4H/5H. You also can close the function of auto standby.

- **OSD timer OSD**

Choose option of OSD timer and press right key to alter value with left and right keys. The min. value is 5s and the max. value is 30s.

## OSD Menu Operation

### ➤ Option



#### Reset

After selecting the option of reset and pressing OK button, you can find a prompt box for confirming reset. Please note that the reset will influence your previous setting.

#### ECO Mode, Blue screen

The system provides three ECO modes including low, middle, high. And the function of blue screen can be open or closed with right keys.

#### Language

The language of OSD, Audio, Subtitle can be modified in this part. First, you should select the concerned option and press OK button to enter language list. The arrow keys can help you choose what you want.

#### PVR File system

Before PVR, you should select address of PVR file and check PVR system. The PVR file system can set as FAT32/FAT 64. After setting PVR file system size, you are able to start PVR.

#### HDMI CEC

The function of HDMI CEC can get your life intelligent and convenient. you should open the function of HDMI ARC, Auto standby, Auto TV on, device control at your willing.

#### first time installation

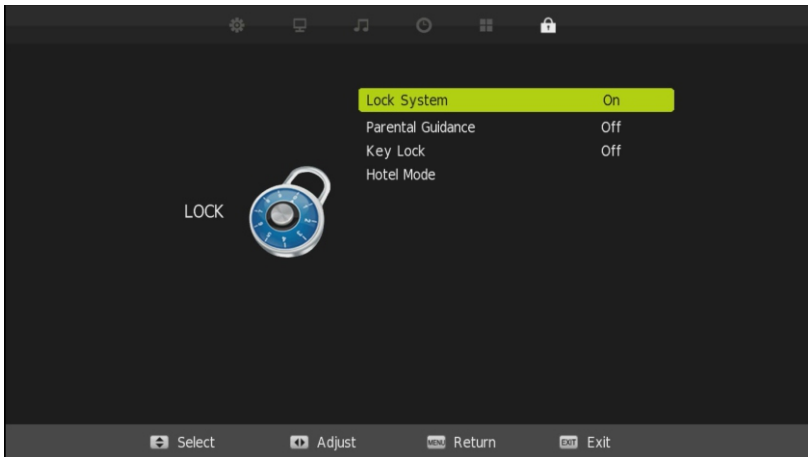
Select first time installation item and press OK button to enter setting interface. The options you can modify include OSD language, country, and TV connection. You should press OK button to make sure your setting.

## OSD Menu Operation

### ➤ Lock



Choose the option of lock system with up and down keys in the main interface. Then press OK button and there will appear prompt box for inputting password. After inputting original password of 0000, you are able to open lock system. More operations can be done when the interface shows as below:



## OSD Menu Operation

- Parental guidance, key lock

The grade of parental guidance ranges from 4 to 18.

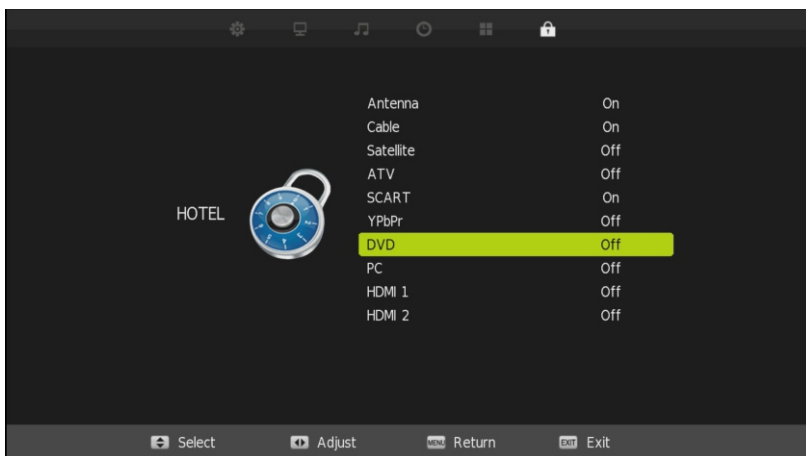
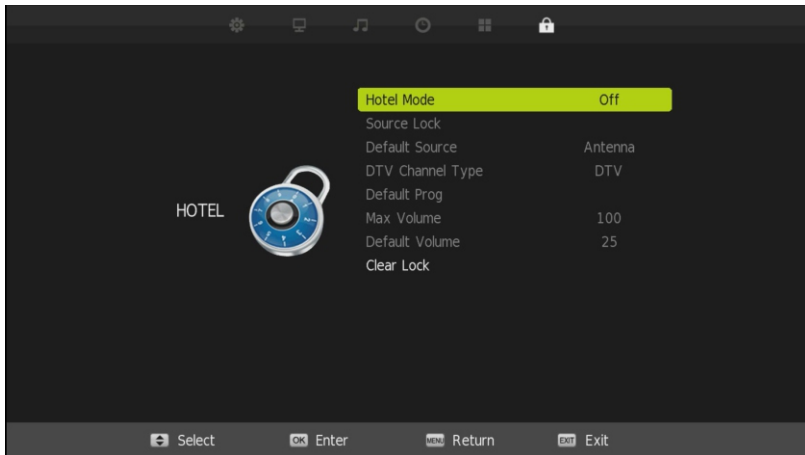
Please pay attention that you can't do specific operation after opening key lock.

- Hotel mode

Choose the option of source lock to enter source list. With left and right keys, you are able to open or close input source.

Default source, default volume, Max volume can change through left and right keys.

The above settings should be in accordance with your need.



## OSD Menu Operation

### ➤ Media part

The media part consists of photo, music, film, text.





## Troubleshooting

If you have any problem, check the countermeasures for each symptom listed below. The following symptoms may have caused by inappropriate adjustment rather than actual malfunction of the unit. If the trouble persists, contact the service center.

Symptoms	Possible solutions
No power	Please check the power cord is plugged in. Unplug the power cord and plug it after 60 seconds and restart the TV.
No picture	Please check antenna connection. Station may experience problems, please tune to another station. Please adjust the settings of contrast and brightness.
Good picture but no sound	Please increase the volume. Please check TV is under mute mode, press MUTE button on the remote control. Please check sound settings.
Good sound but abnormal color or no picture	Please check the antenna connection.
No remote control	Batteries of remote control may have been exhausted, if necessary, please change the batteries. Clean the remote control lens. The distance between LED TV and remote control should be within 8m.
Full screen flickering under VGA	V-HEIGHT value may be set too big, restart computer and enter safe mode, then set monitor parameters to correct value according to adjustment description.
Horizontal stripes under VGA	Sample phase may be deflected, adjust phase according to picture position.
Colored dots may be present on the screen	This product is the high resolution LED display device and a few cell defects can occur in the manufacture of the LED. Several colored dots visible on the screen would be acceptable. in line with other LED manufacturers and would not mean that the LED is faulty. We hope you will understand that it could not be changed or refunded.

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## Picture defects and the reason

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### Snowy Picture

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Snowy picture is usually due to weak signal. Adjust antenna or install an antenna amplifier.



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### Double Image or Ghosts

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Double images are usually caused by reflections from tall buildings. Adjust the direction of the antenna or raise it.



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### Radio Wave Interference

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Wave patterns are moving on the screen, which are usually caused by nearby radio transmitters or short-wave receiving equipment.



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### High Temperature Electrothermal Interference

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Diagonal or herringbone patterns appear on the screen or part of picture is missing. This is probably caused by high temperature electrothermal equipment in a nearby hospital.

**USER'S MANUAL**