



EN

JE2421S

SMART TV

INSTRUCTION MANUAL

IMPORTANT

Please observe all safety precautions when using this product.
Please read this manual carefully.



Content

Safety Information 2

TV Buttons And Terminal Interface 4

External device connection diagram 4

TV Install 5

Installation Guide 6

HOME Menu homepage 11

Main Menu 12

USB 19

Help..... 20

Remote Controller..... 21

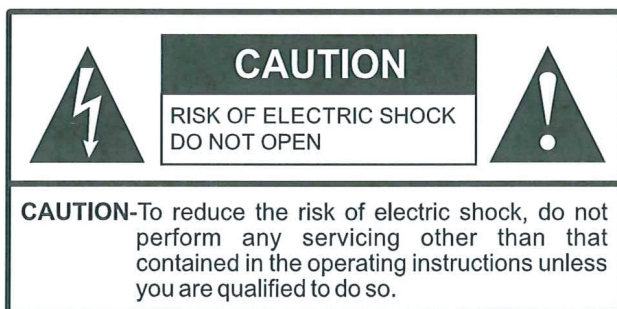
Specifications 22



Safety Information

WARNING

To reduce the risk of fire or electric shock, do not expose this product to rain or moisture.



This symbol 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 to persons.



This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

This product utilizes tin-lead solder, and fluorescent lamp containing a small amount of mercury. Disposal of these materials may be regulated due to environmental considerations. For disposal or recycling information, please contact your local authorities or the Electronic Industries Alliance: www.eia.org.

FCC STATEMENT

This product has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This product generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

FCC CAUTION:

Pursuant to 47CFR, Part 15.21 of the FCC rules, any changes or modifications to this monitor not expressly approved by the manufacturer could cause harmful interference and would void the user's authority to operate this device.

WARNING

This is a CLASS B product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures to counter interference.

IMPORTANT SAFETY INSTRUCTIONS

- 1) Read these instructions.
- 2) Keep these instructions.
- 3) Heed all warnings.
- 4) Follow all instructions.
- 5) Do not use this product near water.
Apparatus should not be exposed to dripping or splashing and no objects filled with liquids, such as vases, should be placed on the product.
- 6) Clean only with a 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) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- 10) Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- 11) Only use attachments / accessories specified by the manufacturer.
- 12) 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.
- 13) Unplug this apparatus during lightning storms or when unused for long periods of time.
- 14) Refer all servicing to qualified service personnel. Servicing is required when the product 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 product, the product has been exposed to rain or moisture, does not operate normally, or has been dropped.
- 15) Where the mains plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.



Safety Information

Before using your TV, please read these instructions completely, and keep this manual for future reference. Carefully observe and comply with all warnings, cautions and instructions placed on the unit or described in the operating instructions or service manual.

WARNING

To guard against injury, the following basic safety precautions should be observed in the installation, use and servicing of the unit.

Power Sources

This unit should be operated only from the type of power source indicated on the information label. If you are not sure of the type of electrical power supplied to your home, consult your dealer or local power company.

Grounding or Polarization

This unit is equipped with a polarized AC power cord plug (a plug having one blade wider than the other), or a DC power connection, for use in a vehicle. Follow the instructions below:

For the unit with a polarized AC power cord plug

This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug still fails to fit, contact your electrician to have a suitable outlet installed. Do not defeat the safety purpose of the polarized plug by forcing it in.



For the unit with a DC power connector

For installation in a vehicle, connect the red wire to the 12V accessory line and the black wire to ground terminal.

Wall outlet

Do not use a poor fitting outlet.

Insert the plug fully into the outlet. If it is loose, it may cause arcing and result in fire. Contact your electrician to have the outlet changed.

Wiring

For your safety, unplug the power cord when wiring cables.

Electric shock

Do not touch the AC power cord or the unit with a wet hand. If you plug / unplug the AC power cord from the unit with a wet hand, it may cause electric shock. Never attempt to move the unit unless the AC power cord is disconnected.

Cleaning

Clean the power plug regularly.

If the plug is covered with dust and it picks up moisture, its insulation may deteriorate and result in fire.

Unplug the power plug and clean it regularly.

Unplug the power cord when cleaning this unit. If not, it may result in electric shock.

Clean the cabinet of the TV with a dry soft cloth. To remove dust from the screen, wipe it with a soft cloth.



Stubborn stains may be removed with a cloth slightly dampened with a solution of mild soap and warm water. Never use strong solvents such as thinner or benzene for cleaning.

If using a chemically pre-treated cloth, please follow the instructions provided on the package.

Overloading

Do not overload wall outlets, extension cords or convenience receptacles beyond their capacity, since this can result in fire or electric shock.

Power

Always turn the unit off when it is not being used.

When the unit is left unattended and unused for long periods of time, unplug it from the wall outlet as a precaution against the possibility of an internal malfunction that could create a fire hazard.

Sound

If a snapping or popping sound from the TV is continuous or frequent while the TV is operating, unplug the TV and consult your dealer or service technician. It is normal for TV's to make occasional snapping or popping sounds, particularly when being turned on or off.

Power Cord

If you damage the power cord, it may result in fire or electric shock.

Do not pinch, bend, or twist the cord excessively. The core lines may be bared and cut and cause short-circuit, resulting in fire or electric shock.

Do not convert or damage the power cord.

Do not put anything heavy on the power cord.

Do not pull the power cord.

Keep the power cord away from heat sources.

Be sure to grasp the plug when disconnecting the power cord.

If the power cord is damaged, stop using it and replace with a new one.

Ventilation

The slots and openings in the TV are provided for necessary ventilation. To ensure reliable operation of the unit, and to protect it from overheating, these slots and openings must never be blocked or covered. Unless proper Ventilation is provided, the unit may gather dust and get dirty. For proper ventilation, observe the following:

Do not install the unit turned backward or sideways.

Do not install the unit turned over or upside down.

Never cover the slots and openings with a cloth or other materials.

Never block the slots and openings by placing the unit on a bed, sofa, rug or other similar surface.

Never place the unit in a confined space, such as a bookcase or built-in cabinet, unless proper ventilation is provided. Leave some space around the unit. Otherwise, adequate air-circulation may be blocked, causing overheating, and may cause fire or damage the unit.

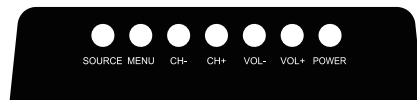
Heat sources

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



TV Buttons And Terminal Interface

TV Buttons



POWER :Turn ON/OFF Power.

CH+/-:Selecting Channel. **SOURCE**:External Signal Input Selection.

VOL+/-:Adjusting Volume. **MENU**:Display Main MENU And Confirm MENU Item Selection.

Terminal Interface

Note: The following are the various terminal interface, the actual position and arrangement, the number of different models may be different.

	AV input External AV Signal Input		EARPHONE output When earphones are plugged in, speakers are disabled
	HDMI input Digital signal input from HDMI video connector.		USB input Connect a USB device here to play its media files or to record programs via the PVR function.
	ANT 75 Connect the antennal/cadle tv input (75/VHF/UHF)		OPTICAL output Connect the SPDIF receiver.
	RJ45 Connect the Internet.		

Accessories

Note: The configuration of the components may look different from the following illustration.

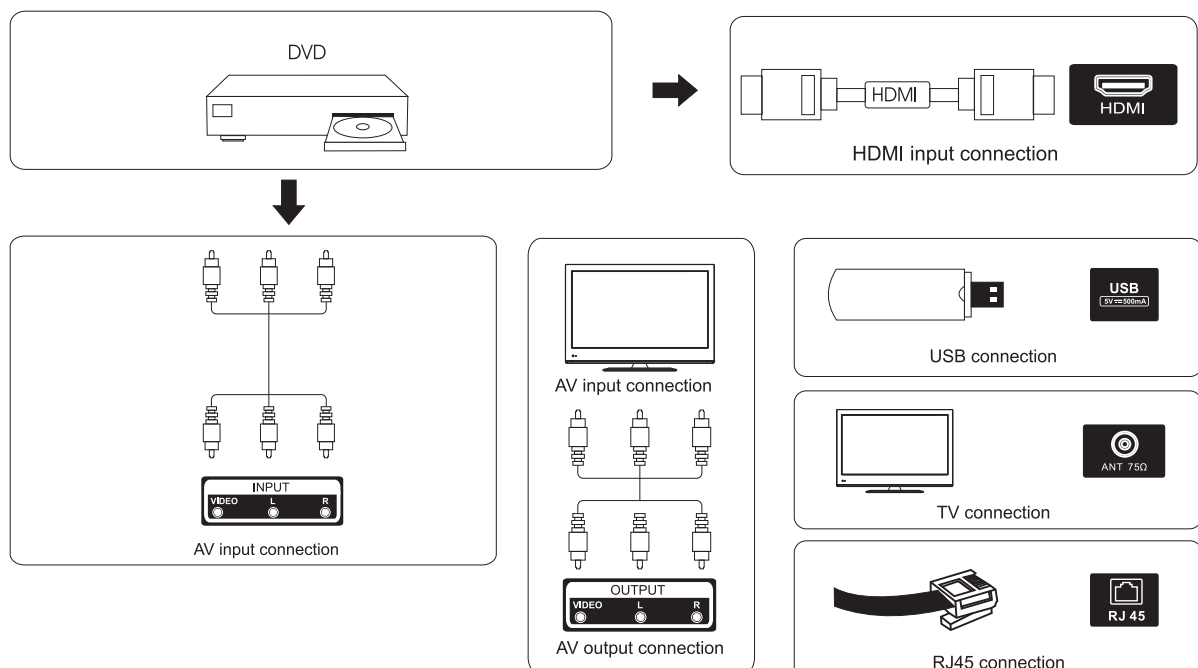


Battery 1.5V(AAA X2)



Remote Control

External device connection diagram



TV Install

Mounting on a Desktop



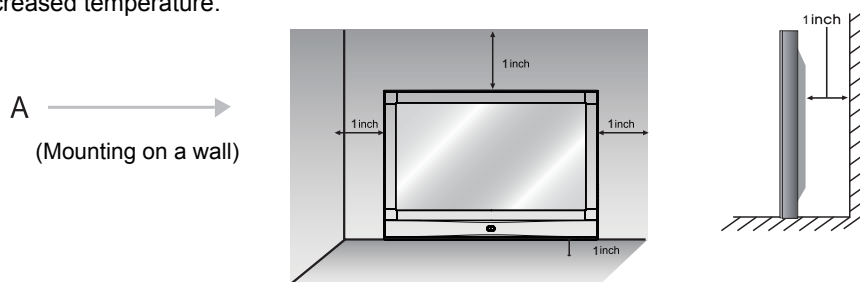
Your LED TV can be mounted on a desktop with the base installed.
This is not a floor-standing unit.

Installation Precautions

Wall Mounting

Please ensure enough space for safe use. (Please refer to diagrams A and B.)

Installation of the LED TV in an improperly ventilated location can cause damage to the LED TV due to increased temperature.

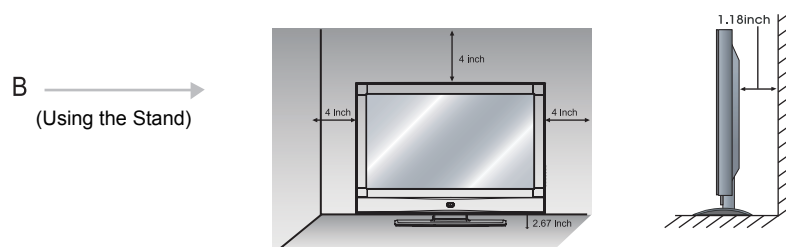


※Contact your dealer to purchase the "Adjustable-angle wall mount" required for wall-mounted installation.

Using the Stand

Do not install on an unstable location with a support area smaller than the LED TV.

Please refer to the desktop stand user's manual for details of installation.



1、Installation Guide

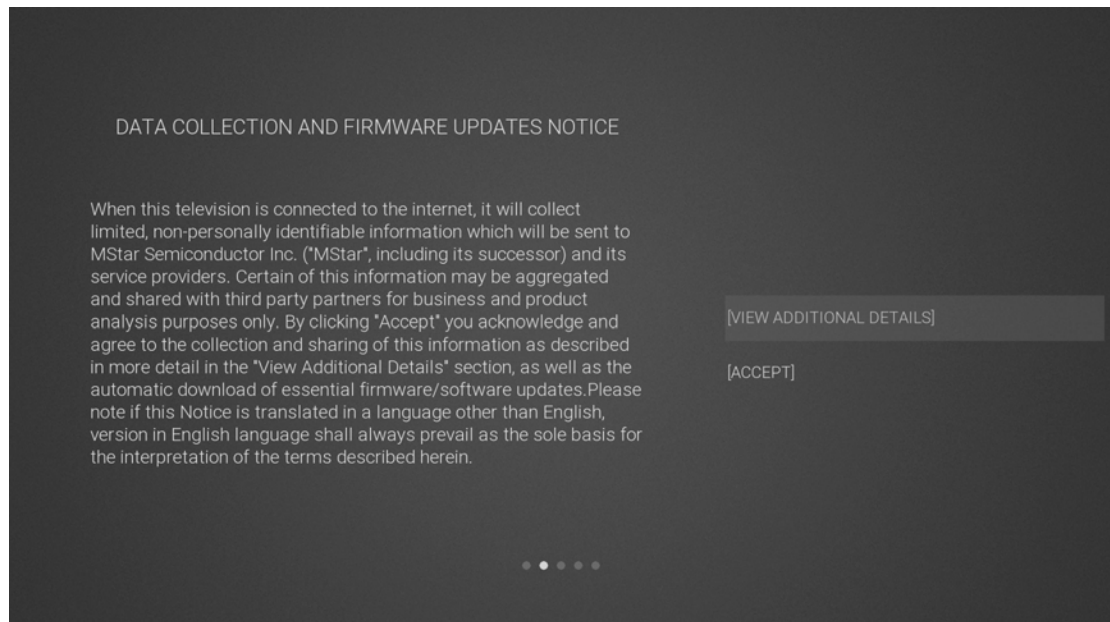
① Show the Installation Guide page after booting up for the first time

Press the [Up and Down] button to switch the OSD Language and press [OK] button to enter the next setting page.



② Data collection and firmware updates notice page

Press the [Up and Down] button on the remote control to switch the options, and the [OK] button to confirm the selection. It is recommended to select [ACCEPT].

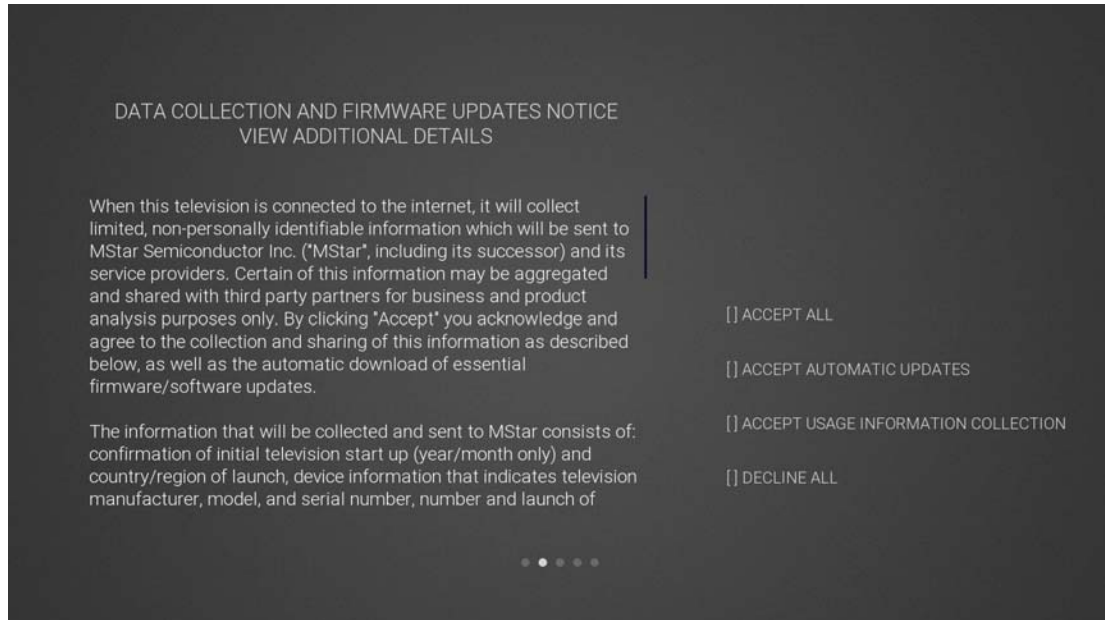


Items	Method	Directions
[VIEW ADDITIONAL DETAILS]	[OK] button	See more detailed firmware/software network download update instructions.
[ACCEPT]	[OK] button	Accept all agreements and agree to the firmware/software network to



		automatically download updates
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③ If you press [OK] key in the [VIEW ADDITIONAL DETAILS] box, it will go to the data collection and firmware updates notice view additional details page. Default focus text section, [Up and Down] key pulls down the text to the bottom and press the [Down] key to switch to the [DECLIN ALL] box, press [OK] key to confirm the selection and go to the next setting page.

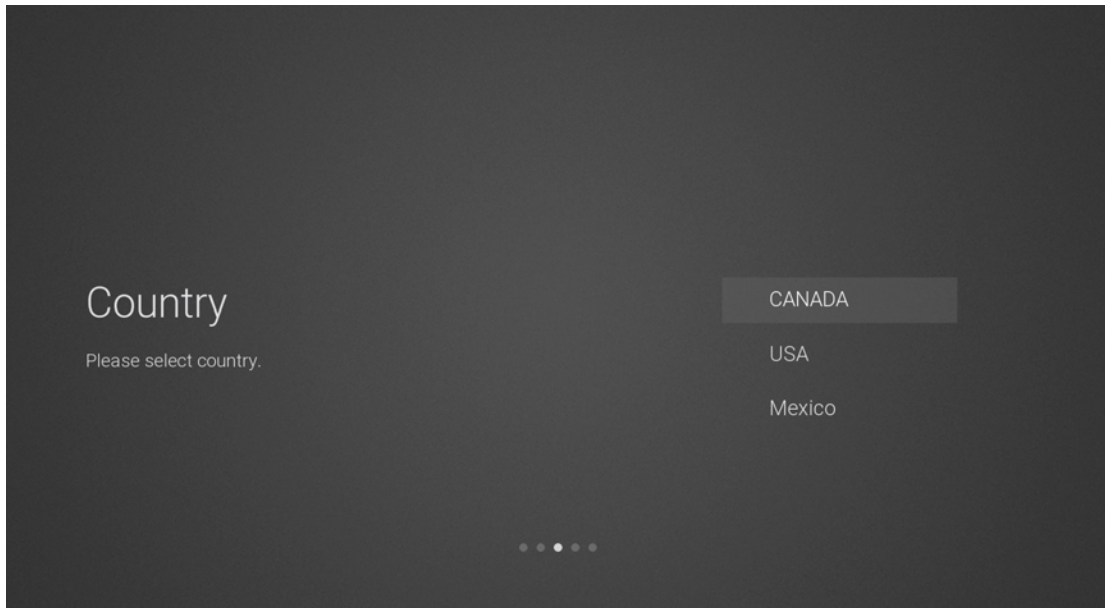


Items	Method	Directions
[ACCEPT ALL]	[OK] button	Accept all agreements and agree to the firmware/software network to automatically download updates.
[ACCEPT AUTOMATIC UPDATES]	[OK] button	Accept all protocol parts and manually select whether to agree to the firmware/software network download update if there is a firmware/software update
[ACCEPT USAGE INFORMATION COLLECTION]	[OK] button	Accept the agreement and agree to collect some non-personal user information.
[DECLINE ALL]	[OK] button	Reject all protocols and disable firmware/software network updates.

④ The default country channel tuning settings page

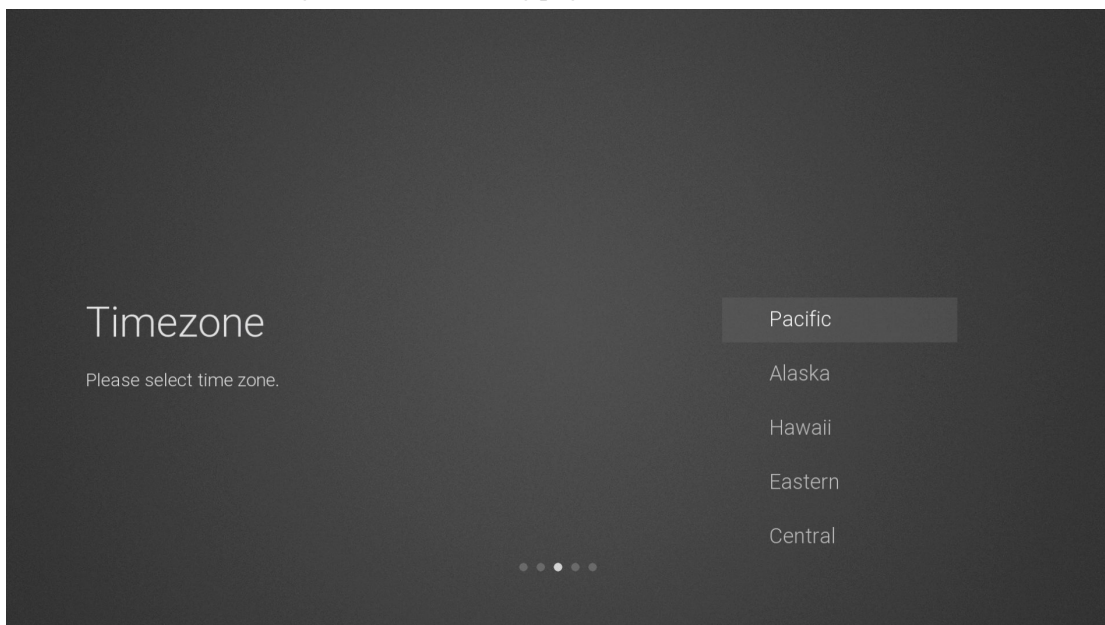
Press the [Up and Down] button on the remote control to select the menu option, [OK] button to confirm the selection and go to the next setting page.





⑤ The time zone setting page

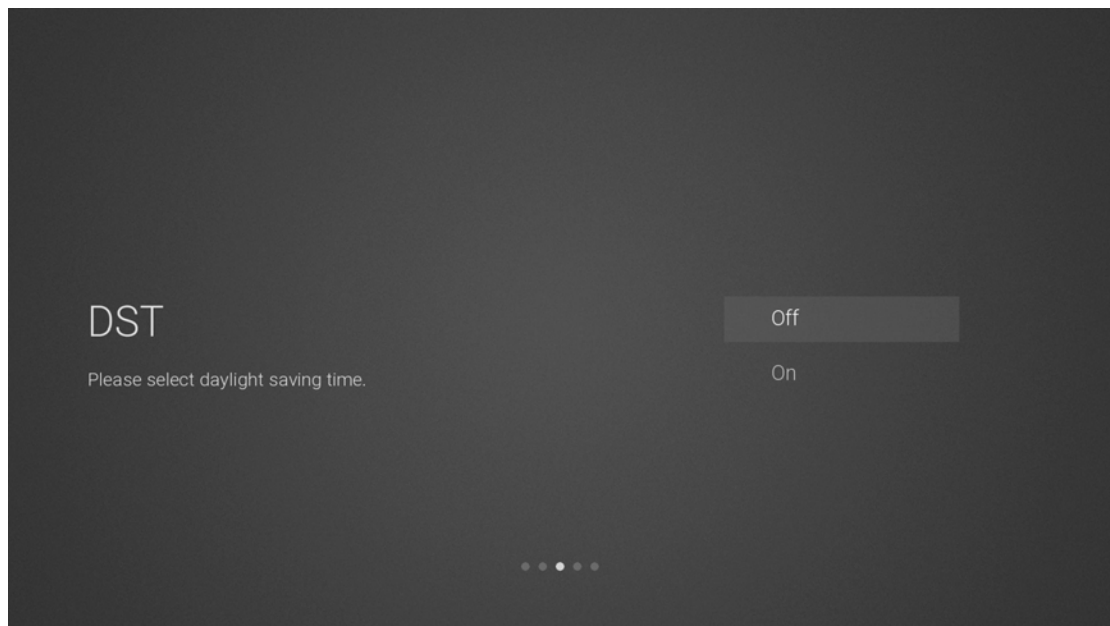
Press the [Up and Down] button on the remote control to select the menu option, [OK] button to confirm the selection and go to the next setting page.



⑥ The daylight saving time setting page

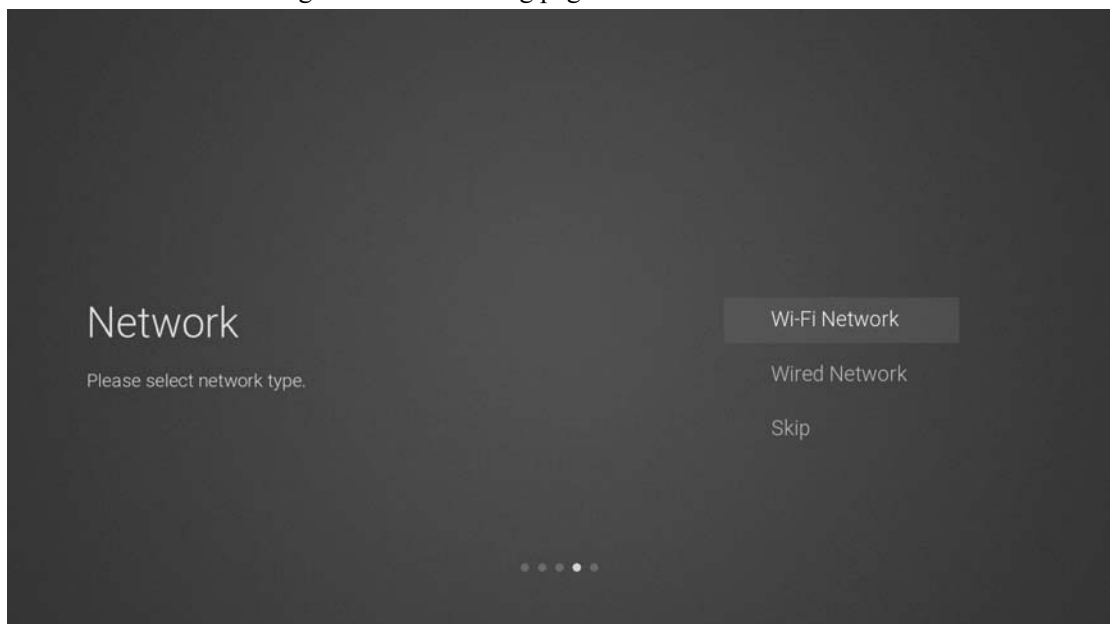
Press the [Up and Down] button on the remote control to select the menu option, [OK] button to confirm the selection and go to the next setting page.





⑦ The network type setting page

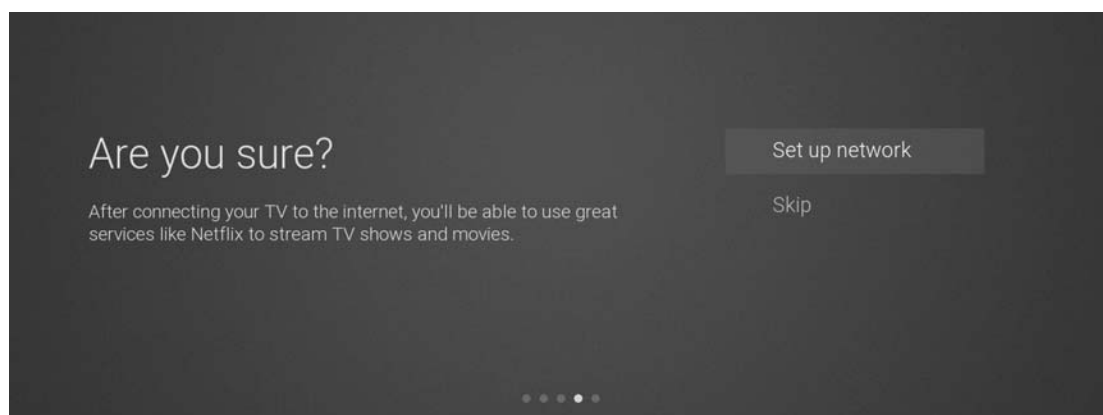
Press the [Up and Down] button on the remote control to select the menu option, [OK] button to confirm the selection and go to the next setting page.



Items	Method	Directions
Wi-Fi Network	[OK] button	Go to the wireless network connection page (automatically search for attachment wifi)
Wired Network	[OK] button	Go to the wired network connection page
Skip	[OK] button	Skip the network settings and go to the next level settings page.

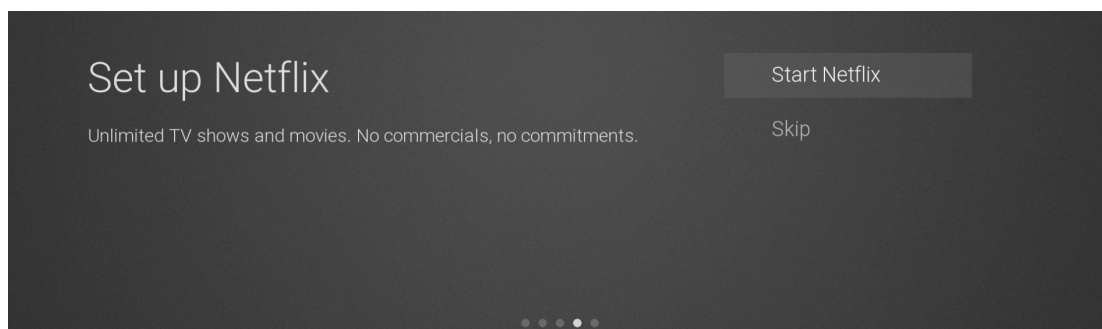
⑧ If you do not need to connect to the network, select the “Skip” option, press [OK] button to confirm, and you will be taken to skip the network settings page.





Items	Method	Directions
Set up network	[OK] button	Go back to the network settings page
Skip	[OK] button	Confirm to skip the network settings and enter input source setting page.

IF you set up network the next screen is



Items	Method	Directions
Start Netflix	[OK] button	Start Netflix takes you to Netflix app
Skip	[OK] button	Skip takes you to Input Source

⑨ The input source setting page

Press the [Up and Down] button on the remote control to select the menu option, Press the [OK] button to confirm the selection and go to the next setting page. Pressing the [DOWN] button all the way will turn the page to the USB source.

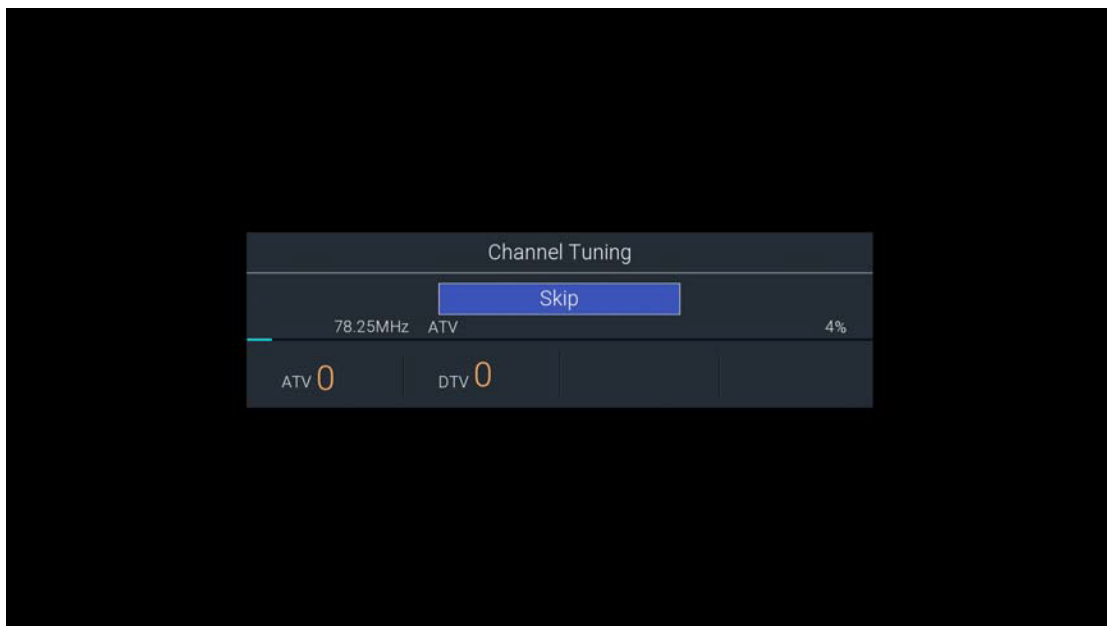


Items	Method	Directions
TV	[OK] button	Go to the channel tuning page
AV HDMI1 HDMI2...USB	[OK] button	Switch the source channel



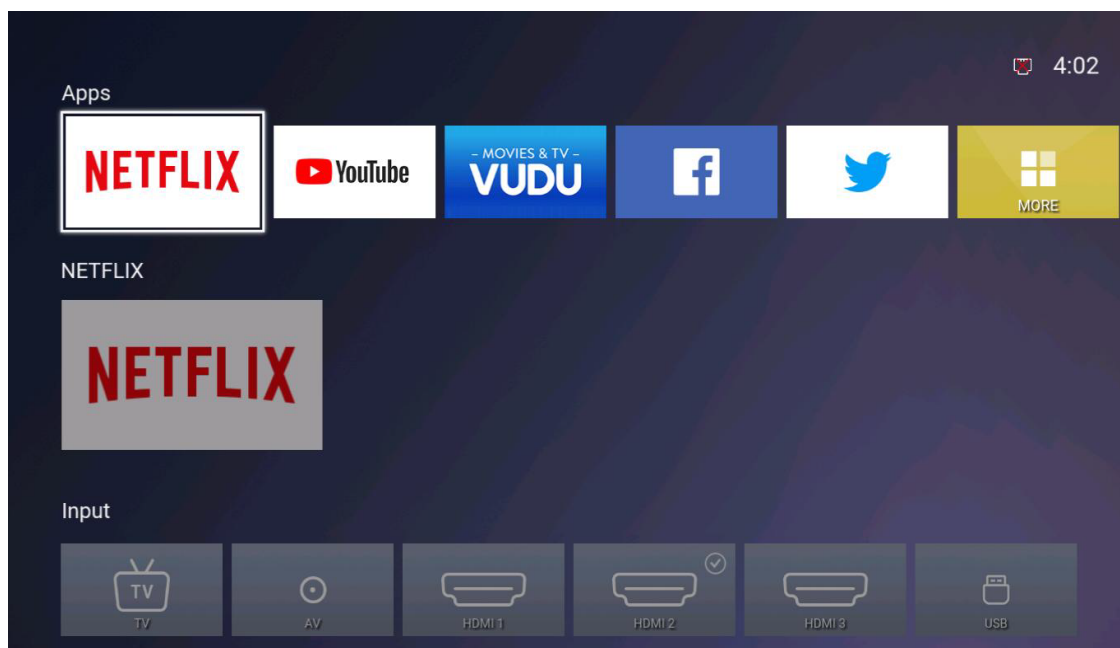
⑩ The channel tuning page

The UI default focus the “Skip” option, Press the [OK] button to skip the DTV channel tuning then enter the ATV channel tuning.



2、HOME

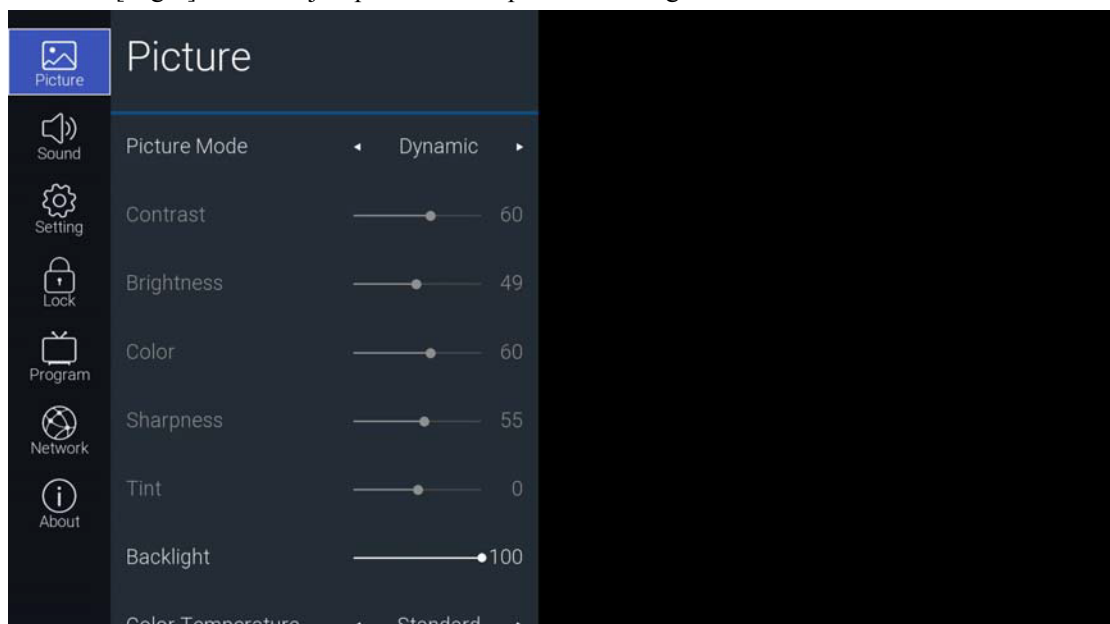
Press the [Home] button to display the home page, Press the [Up and Down] button to switch between the Apps, NETFLIX, Input source, and Settings options, Press the [Left and Right] button to select the corresponding sub-option and press the [OK] button to confirm



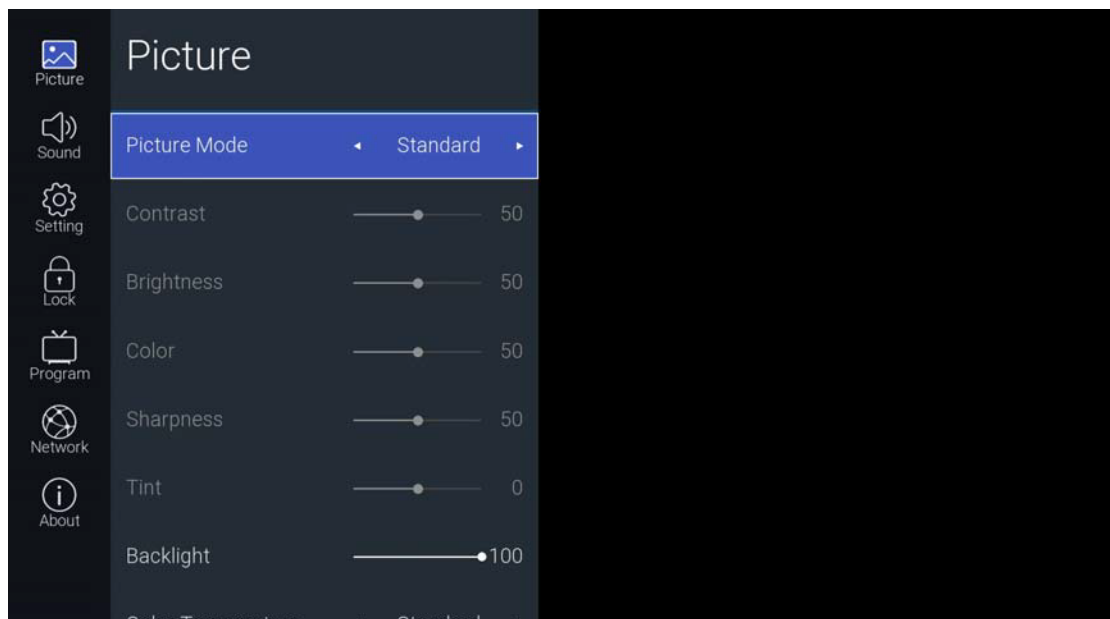
Items	Directions
Apps	All APPS: Netflix、YouTube、Vudu、Facebook、Twitter、Smart TV Apps、Youtube Kids、Screencast、Browser、There may be some custom differences Apps.
NETFLIX	Netflix account recommendation information
Input	All input source: TV、AV、HDMI1/2/3、USB
Setting	All menu settings: Picture、Sound、Setting、Lock、Programme、Network、About

3、Main Menu

Press the [] button to display the main menu. Press the [Up and Down] button to switch between the options of Picture, Sound, Setting, Lock, PVR Option, Programm, Network, About. Press the [Right] button to jump to the sub-option on the right.

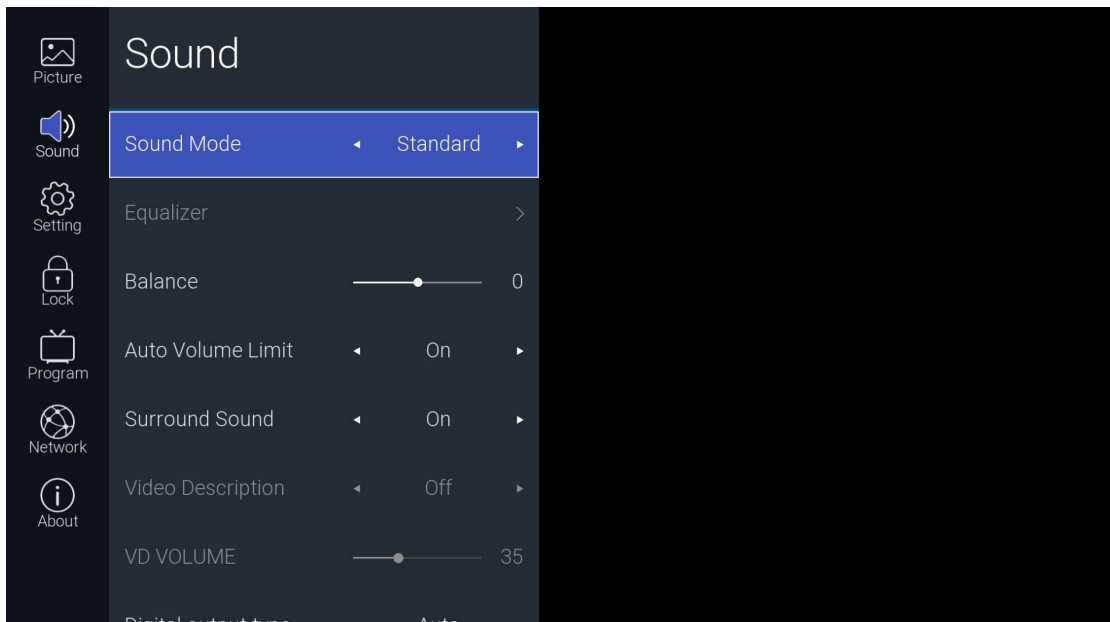


3.1 Picture



Items	Adjustable mode	Directions
Picture Mode	Standard->Movie->User->Power Saving->Dynamic	Picture mode adjustment
Contrast	Picture Mode is adjustable in User mode 0-100	Contrast adjustment
Brightness	Picture Mode is adjustable in User mode 0-100	Brightness adjustment
Color	Picture Mode is adjustable in User mode 0-100	Color adjustment
Sharpness	Picture Mode is adjustable in User mode 0-100	Sharpness adjustment
Tint	Picture Mode is adjustable in ATV NTSC mode	Tint adjustment
Backlight	0-100	Backlight adjustment
Color Temperature	Standard -> Warm -> Cool	Color adjustment
Aspect Ratio	Standard->Wide->Wide Zoom->Zoom	Aspect Ratio
Noise Reduction	Low->Middle->High-> Auto->Off	Noise Reduction adjustment

3.2 Sound



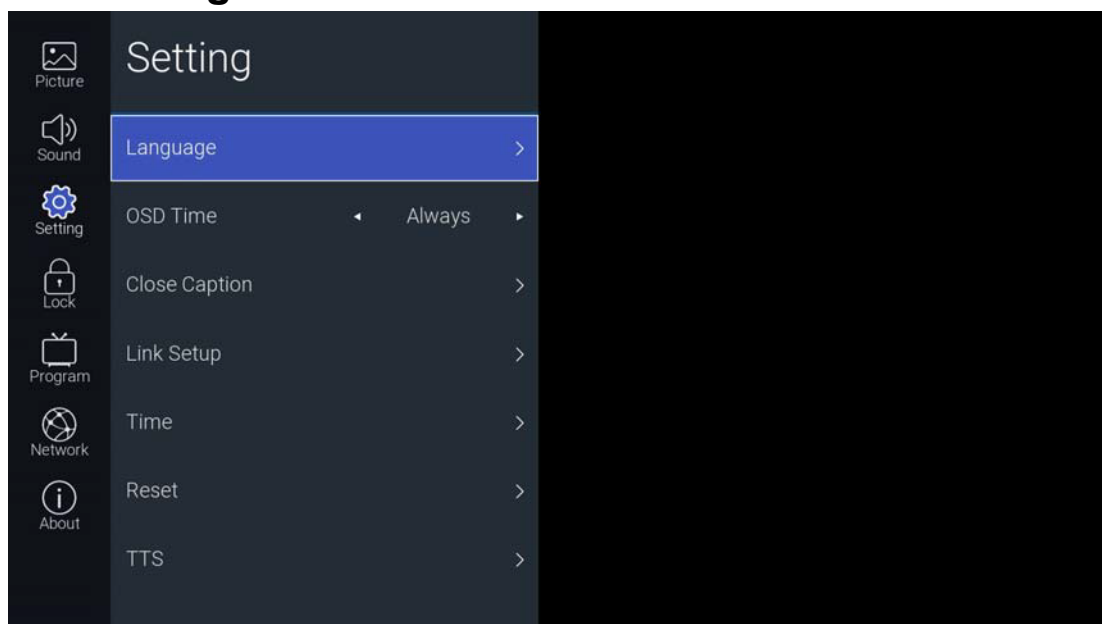
Function Description

Items		Adjustable mode	Directions
Sound Mode		Standard ->Music -> Movie -> Sport -> User	Sound Mode adjustment
Equalizer (on show only when the Sound Mode is user mode)	120Hz	0-100	120Hz frequency range sound amplitude gain adjustment.
	500Hz	0-100	500Hz frequency range sound amplitude gain adjustment.
	1.5KHz	0-100	1.5KHz frequency range sound amplitude gain adjustment.



	5KHz	0-100	5KHz requency range sound amplitude gain adjustment.
	10KHz	0-100	10KHz requency range sound amplitude gain adjustment.
Balance		(-)50—50	Volume balance adjustment
Auto Volume Limit		Off->On	Auto Volume Limit adjustment
Surround Sound		On/Off	Surround Sound adjustment
Video Description		Off->On(on show only for DTV channel)	Video Description adjustment
VD Volume		0-100	Video Volume adjustment
Digital output type		Auto->Dolby DD->Dolby DD+>PCM	SPDIF port output mode adjustment
Audio Delay	SPDIF Delay	0-250	SPDIF volume delay time adjustment
	Speaker Delay	0-250	Speaker volume delay time adjustment
	HDMI ARC Delay	0-250	ARC volume delay time adjustment
Audio Languages		English->French->Spanish	Audio Languages adjustment

3.3 Setting



Function Description :

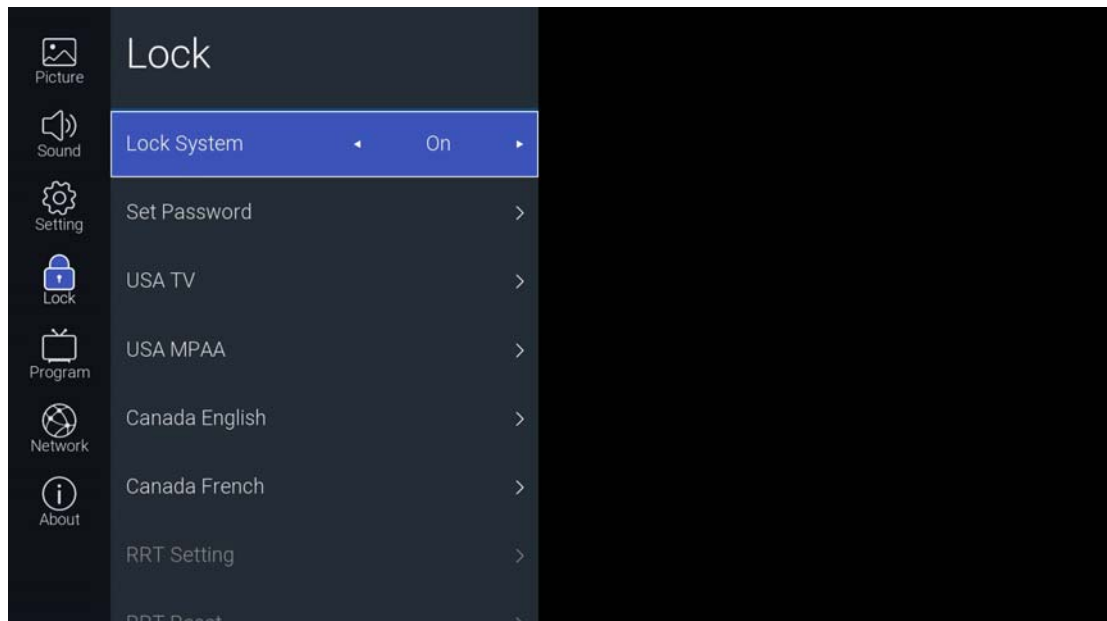
Items		Adjustable mode	Directions
Language	OSD Language	English->Spanish->French	OSD menu language selection adjustment
OSD Time		Always->5 Seconds->10 Seconds ->15 Seconds	OSD menu display time adjustment



Close Caption	CC MODE	CC off->CC On Mute->CC On	CC MODE adjustment
	Basic Slection	Off->CC1->CC2->CC3->CC4->Text1->Text2->Text3->Text4	CC channel adjustment
	Advanced Selection	Off->Service1->Service2->Service3->Service4->Service5->Service6	CC Service adjustment
	Option	CC font display effect adjustment page	
Link Setup	Link-CEC	On/Off	HDMI CECadjustment
	HDMI ARC	On/Off	HDMI ARC adjustment
	Auto Power	On/Off	Whether the TV is automatically turned on when the related DVD device is turned on
	Auto Standby	On/Off	When the TV is turned off, the CEC device is turned off.
Time	Auto Sync	On/Off	System time setting switch
	Clock	System time display box, optional when Auto Sync is off, [Right] key to enter the system time setting page	
	Sleep Timer	Off->10min->20min->30min->60min->90min->120min->180min->240min	Sleep time setting
	Time Zone	Time Zone adjustment	
	DST	Off/On	The daylight saving time setting page
Reset		Yes or No	User reset
TTS	Enable	On/Off	Set TTS Enable or Disable
	Verbosity	Low->High	TTS Verbosity adjustment
	Rate Support	Slow->Middle->Fast	TTS Rate Support adjustment
	Pitch Support	Low->Middle->High	TTS Pitch Support adjustment
	Speaker	Betty Say->Anita Say	TTS Speaker adjustment

3.4 Lock





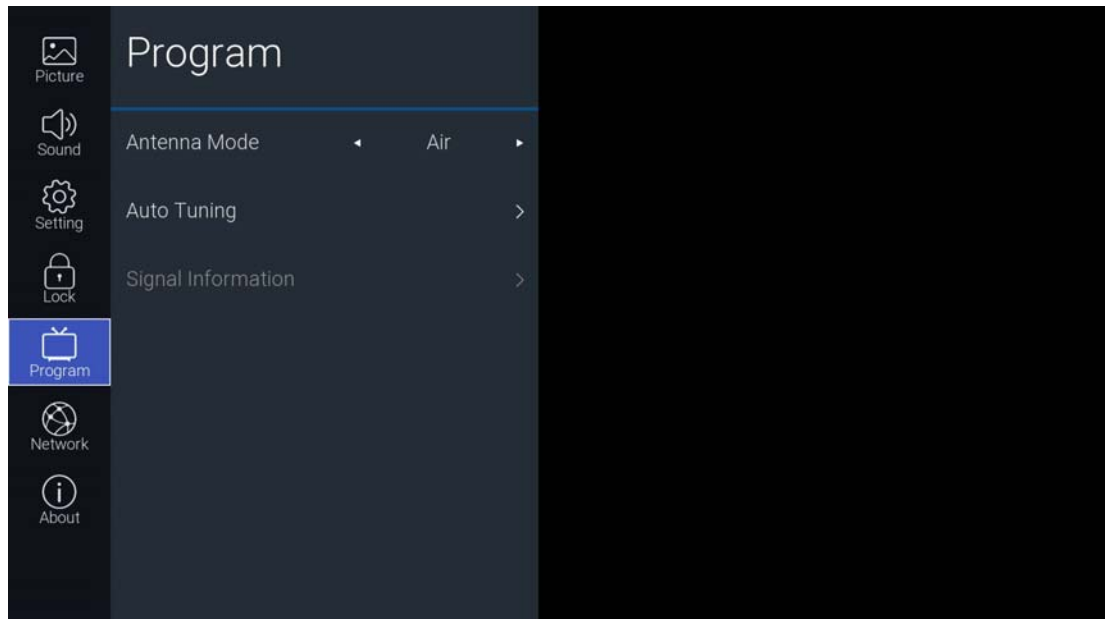
Function Description:

Items		Adjustable mode	Directions
Lock System		On/Off	Control Set Password, USA and Canada Tv Rating Switch
Set Password	Please Enter Old Password	Default password “0000”	Set the system password. Press the [number] button on the remote control to set the new system password. Please enter the password before and after the New Password and Confirm New Password. The inconsistency will indicate that the Password not match setting fails. After the setting is successful, it will automatically return to the previous layer.
	Please Enter New Password		
	Confirm New Password		
USA TV		USA TV rating channel lock adjustment page	
USA MPAA		USA MPAA rating channel lock adjustment page	
Canada English		Canada English rating channel lock adjustment page	
Canada French		Canada French rating channel lock adjustment page	
RRT Setting		RRT Setting page(This feature is only available on special channels.)	
RRT Reset		Reset RRT (This feature is only available on special channels.)	
Block Unrated TV		On/Off	Block Unrated TV adjustment

3.6 Program

TV channel can be accessed by [Right] button.

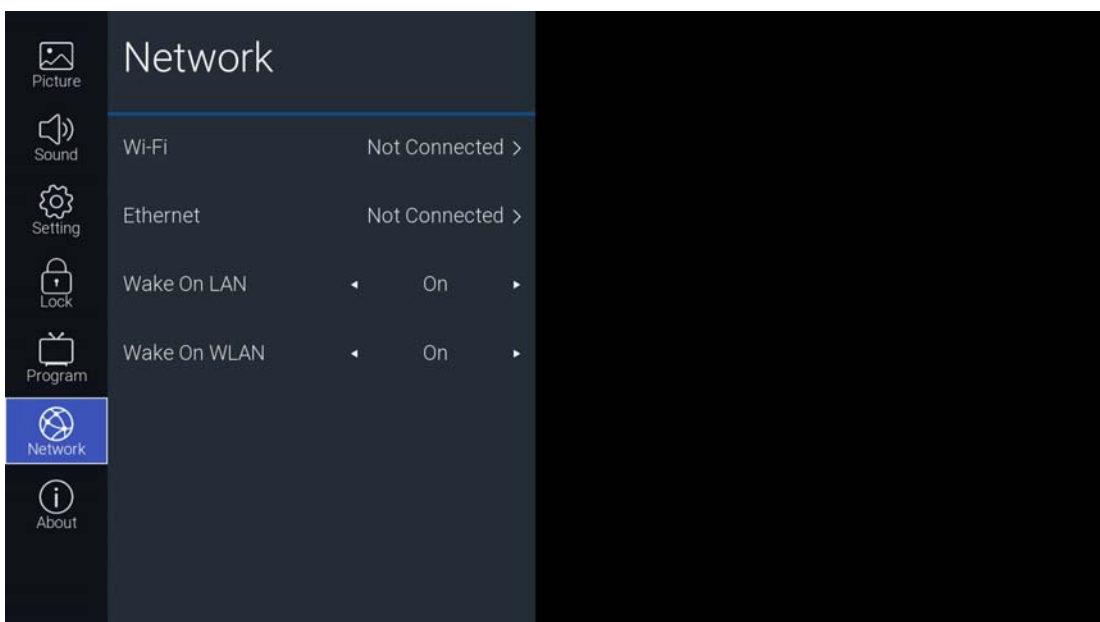




Function Description:

Items	Adjustable mode	Directions
Antenna Mode	Air->Cable	Antenna Mode adjustment
Auto Tuning	Start auto tuning	
Signal Information	View channel signal strength (In the DTV channel can be focused)	

3.6 Network



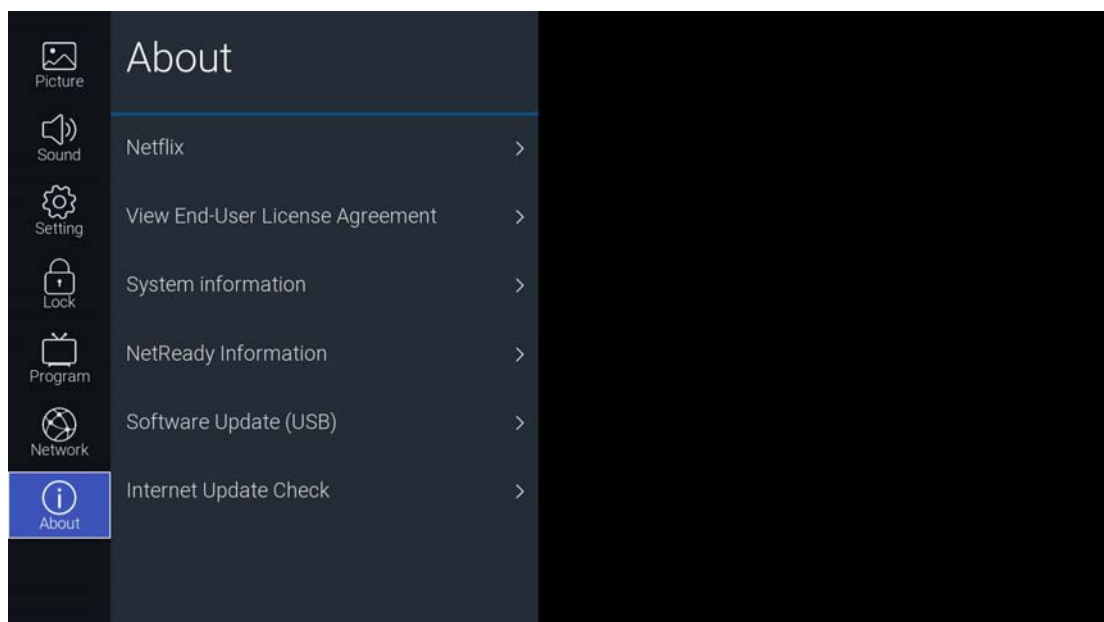
Function Description:

Items		Adjustable mode	Directions
Wi-Fi	AUTO Scan	Automatically search for nearby wireless networks	
	Manual Input	Manually enter the wifi that needs to be connected	
	IP	Wireless network ip address prompt box	
	Netmask	Wireless network subnet mask prompt box	
	Gateway	Wireless network gateway prompt box	



	DNS	Wireless network DNS prompt box	
Ethernet	Protocol	IPv4->IPv6	Wired network protocol selection
	Configuration	DHCP->Static	Wired network ip acquisition method selection
	IP	Wired network ip address, Configuration is set to Static optional	
	Prefix	The number of bits in the wired network subnet mask is set, and the Configuration is set to Static.	
	Gateway	Wired network gateway, Configuration is set to Static optional	
	DNS	Wired network DNS, Configuration is set to Static optional	
	Connect	Connect to a wired network	
Wake On LAN		On/Off	Wired network wake up TV enable switch
Wake On WLAN		On/Off	wireless network wake up TV enable switch

3.7 About



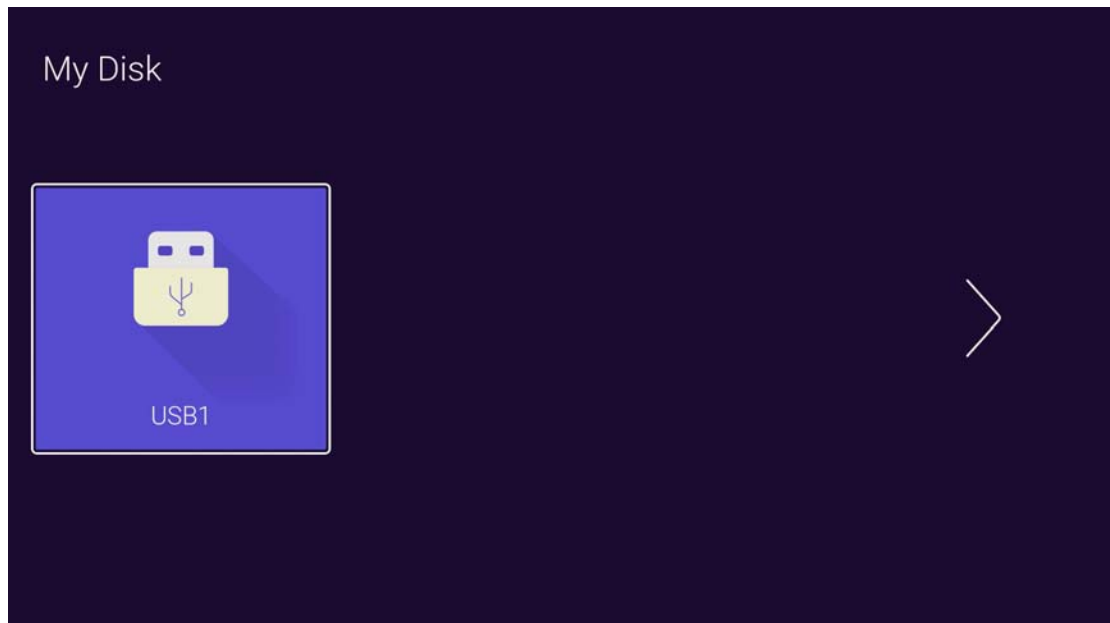
Function Description:

Items		Directions
NETFLIX	Netflix Deactive	Clear Netflix login account
	Terminate Netflix	Exit Netflix
	Netflix ESN	Check out the View ESN key
	Netflix Version	Check out the Netflix version
View End-User License Agreement		View End-User License Agreement
System information		Check out the system information
NetReady Information		Check out the NetReady Device ID information
Software Update(USB)		USB Software Update
Internet Update Check		Check out the Internet Update

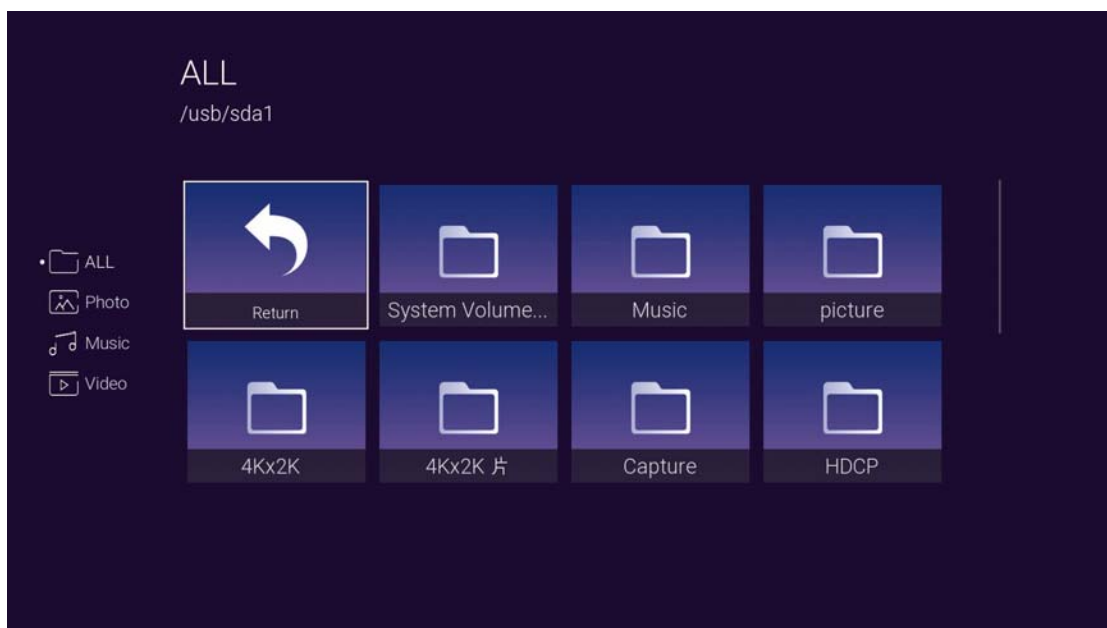


3、USB

Insert the USB flash drive and press the [OK] button in the USB menu of the input source page to enter the Media menu.



Press the [Left and right] button Select the inserted USB flash device,press the [OK] button to enter the following page



Press the [Left and right] buttons can be selected ALL, Photo, Music, Video options, press the [OK] button to select the file type, "Return" box to press [OK] to return to the previous directory, select a file press the [OK] button to enter the video file.



Help

No power	• Check if the AC cord of TV is plugged in or not. If there's still no power, please disconnect the plug, and reconnect to the socket after 60 seconds. Turn the power back on.
Signal not received properly	• Double or phantom images may appear on your TV if there are high buildings or mountains close to where you are. You can adjust the image thru manual operation: consult instruction of vernier regulation, or adjust the direction of the external antenna. • If you use an indoor antenna, signal reception may be more difficult under certain circumstances. Adjust the direction of the antenna for optimum reception. If this does not improve reception, you may have to switch to an external antenna.
No picture	• Check if the antenna at the back of the TV is connected properly. • View other channels to see if the problem still occurs.
Video appears with no audio	• Try increasing the volume. • Check if the TV's sound is on mute or not.
Audio is present, but video does not appear or is discolored	• Try adjusting the contrast and brightness.
Static noise affects video and audio quality	• Check if the antenna at the back of the TV is connected properly.
Broken lines on screen	• Electrical appliances such as hair dryers or vacuums etc. may be interfering with your TV set. Switch these appliances off.
Remote doesn't work	• Make sure the plastic bag which came with the remote control is removed. Try using the remote in a shorter distance from the TV. Check if the placement of the batteries is correct, or try using new batteries with the remote control. • The TV will go into Standby mode if it receives no response in a few minutes.
No video (PC mode)	• Please check if the cable is connected to the VGA port correctly, or if the cable is bent in some places.
Vertical line blinking (PC Mode)	• Enter the main menu, and adjust the vertical placement to eliminate the vertical line.
Horizontal tearing (PC Mode)	• Adjust the horizontal placement of the screen to clear any horizontal lines.
Screen is too bright or dark (PC Mode)	• Adjust the brightness or contrast in the main menu.
No response from the PC	• Check if the PC's display resolution is set to a compatible resolution for the TV.
Lines appearing when a device is connected to the RCA port	• Make sure you are using a cable in good quality.
Problems are unresolved	• Unplug the power cable and wait for 30 seconds, then reconnect to the socket. If problems still persist, do not attempt to repair the TV by yourself. Kindly contact the service center.

Do not leave your TV displaying a static image, whether it is from a paused video, menu screen, etc. for an extended period of time, doing so will damage the display and may cause image burn-in.



Remote Controller

1. : Turn on the TV or enter standby mode
2. : Turn off the sound and turn on when press again
3. 0 ~ 9 : Figures 0-9 are used to directly input channel number
4. : Press to display Electronic Program Guide and select the favorite channel
5. : Press to Change the channel which name contains "-"
6. : Input source selection button
7. : Press to enter the Home Page
8. : Increase the volume
9. : Decrease the volume
10. : Increase the program
11. : Decrease the program
12. : Start system menu
13. : Press to display the source and channels display
14. : To confirm the choice with the highlighted menu item
15. : Press these buttons to select items
16. : Press these buttons to select and adjust items
17. : Go back to the previous step
18. : Press to exit the OSD menu
19. : Press to launch the Netflix
20. : Press to launch the YouTube
21. : Press to launch NetRange app store
22. : Press to enter VUDU mode
23. GREEN/RED/YELLOW/CYAN button: Press these buttons according to different prompts
24. : Press to fast reverse in USB mode
25. : Press to fast forward in USB mode
26. : Press to play the video and press again to pause the video
27. CC: Closed Captions
28. : Hold on or off for current page display
29. : Press to change the language when playing the stream which contains multi-language



Battery Installation:

Remove the battery compartment lid on the rear of the remote control by sliding the lid down, then off. Put two AAA batteries inside the battery compartment with their + and - ends aligned as indicated. Do not mix old and new batteries or different types of batteries. Refix the battery compartment lid. Slide the lid until you hear it click into place.

Using the Remote Control:

Unless stated otherwise, the remote control can operate all the features of the TV.

Always point the remote control directly at the remote sensor in the front of the TV.

Specifications

LED Panel	Panel Size	24" TFT LED
	Brightness	200
	Contrast Ratio	3000:1
	Viewing Angle	178°/178°
Max. Resolution		1366 x 768
INPUT	VIDEO	1
	LAN	1
	HDMI	3
	RF	1
	USB	2
OUTPUT	OPTICAL	1
	EARPHONE	1
Power Source		AC
Power Consumption		36W
Dimension		22" x 13.6" x 2.1" inch
Weight		7.0lbs

- The cabinet design and electronics specifications may be modified without prior notice for performance improvement.
- Weight and dimensions are approximate

