



INSTRUCTION MANUAL

Before using the TV, please read this manual thoroughly, and retain it for future reference.



Model:RNSMU8220

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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 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 is provided for your safety.
If the provided plug does not fit into your wall 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 apparatus has been damaged in any way, such as the power 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.
- 15) The mains plug is used as disconnect device, the disconnect device shall remain readily operable.



PERSONAL SAFETY NOTICE


- ALWAYS read and follow all instructions for the installation and use of the TV.
- Place the TV in a location that is level and sturdy.
- DO NOT place the TV on a furniture with drawers that can be used as steps by small children.
- DO NOT allow children to pull the TV or climb on the furniture where the TV is placed.
- DO NOT allow children to play in front of or around the TV.
- ALWAYS route all the cables connecting to the TV so the cables cannot be easily pulled and grabbed by children.
- When installing the TV on a wall, please purchase a TV mount recommended by a professional TV installer, and follow the installation instructions that come with the TV mount.
- Before installing the TV on a wall, please check to make sure the wall structure can support the weight of the TV and the mount. If in doubt, please ask the advice from a professional TV installer.


SAFETY PRECAUTION

- * CAUTION MARKING WAS LOCATED AT THE REAR PLACEMENT INFORMATION OF THE APPARATUS.



WARNING: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK) NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

 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 to persons.


 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.



- DANGER OF EXPLOSION IF BATTERY IS INCORRECTLY REPLACED. REPLACE ONLY WITH THE SAME OR EQUIVALENT TYPE.
- USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.



- TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE. TO REVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS UNIT TO RAIN OR MOISTURE. DO NOT PLACE OBJECTS FILLED WITH LIQUIDS ON OR NEAR THIS UNIT.
- SHOULD ANY TROUBLE OCCUR, DISCONNECT THE AC POWER CORD AND REFER SERVICING TO A QUALIFIED TECHNICIAN.

 This equipment is a Class II or double insulated electrical appliance. It has been designed in such a way that it does not require a safety connection to electrical earth.



"HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC."

- Do not use this unit in places that are extremely hot, cold, dusty or humid.
- Do not restrict the airflow of this unit by placing it somewhere with poor airflow, by covering it with a cloth, by placing it on bedding or carpeting.

SAFETY INFORMATION

- When connecting or disconnecting the AC power cord, grip the plug and not the cord itself. Pulling the cord may damage it and create a hazard.
- When you are not going to use the unit for a long period of time, disconnect the AC power cord.

RATING PLATE LOCATION

The rating plate is located on the rear of the unit.

FCC STATEMENTS

NOTE: This unit 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 in a residential installation.

This unit generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communication. However, there is no guarantee that interference will not occur in a particular installation. If this unit does cause harmful interference to radio or television reception, which can be determined by turning the unit off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the unit and receiver.
- Connect the unit into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

RF exposure statement

This equipment complies with the FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator and any part of your body.

FCC Warning

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

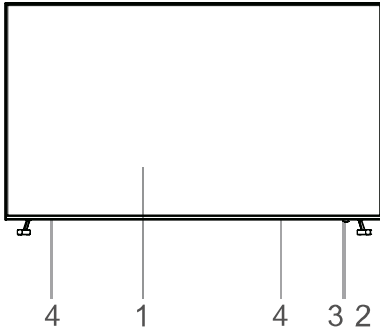
- (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.



Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user authority to operate the unit.

CONTROL REFERENCE GUIDE

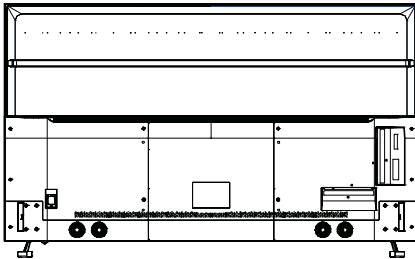
FRONT VIEW



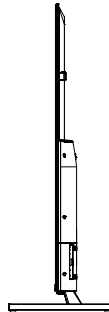
Front View

1. Color Screen
2. Standby indicator
indicates whether the unit is ON
or in STANDBY(OFF) mode.
Light in red: The unit is in STANDBY.
Light in blue: The unit is turned ON.
3. Remote Sensor
Do not block this sensor or the
remote control will not work.
4. Speakers

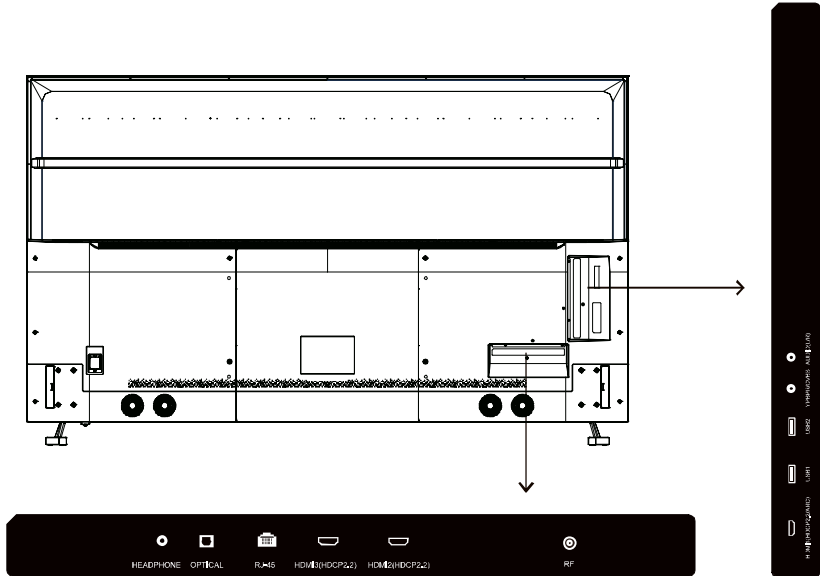
BACK VIEW



POWER: Press to turn the unit on and off.



BACK VIEW



HEADPHONE:Connect a 3.5mm headset for personal audio.

OPTICAL:Digital TV sound output.

RJ-45:Connect the Internet

HDMI:(High-Definition Multimedia Interface)Provides an uncompressed digital connection.

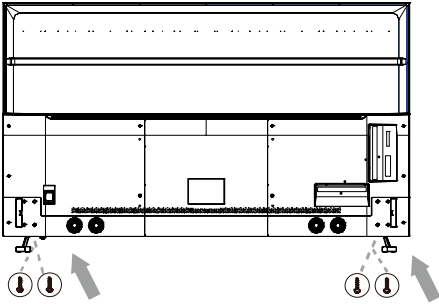
RF:Connect to receive the signal from your antenna or cable through a coaxial cable.

USB:Connect the USB device such as the flash disk to access the TVmedia function.

YPBPR/CVBS:Connect the YPBPR output jack of the DVD orVCR

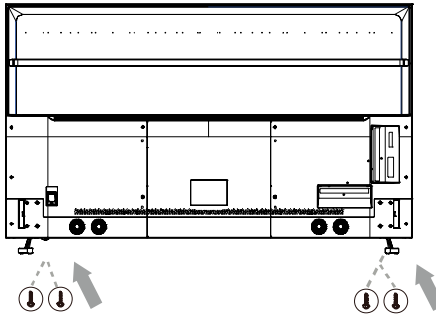
Audio L/R:.Audio should connect from this port.

Installing the Stand



1. Lay the TV face down on a flat, cushioned surface to avoid damaging or scratching.
2. Fix the Left Base Stand to the main unit using 2pcs provided screws.
3. Fix the Right Base Stand to the main unit using 2pcs provided screws.

Removing the Stand for Wall-Mounting



1. Lay the TV face down on a flat, cushioned surface to avoid damaging or scratching.
2. Untighten the 4 pcs screws holding the stand assembly and remove them.
3. Attach the wall-mount bracket to the TV using the mounting holes on the back of the TV. Mount this TV according to the instructions included in the wall-mount bracket.

Wall-Mounting Screws

- Mount the VESA bracket using 4*M8*15 isometric threaded screws (not included).
WARNING: To prevent injury, this apparatus must be securely attached to the floor/wall in accordance with the installation instruction.

WARNING:

Never place a television set in an unstable location. A television set may fall, causing serious personal injury or death. Many injuries, particularly to children, can be avoided by taking simple precautions such as:

- Using cabinets or stands recommended by the manufacturer of the television set.
- Only using furniture that can safely support the television set.
- Ensuring the television set is not overhanging the edge of the supporting furniture.
- Not placing the television set on tall furniture (for example, cupboards or bookcases) without anchoring both the furniture and the television set to a suitable support.
- Not placing the television set on cloth or other materials that may be located between the television set and supporting furniture.
- Attention should be drawn to the environmental aspects of battery disposal.
- Educating children about the dangers of climbing on furniture to reach the television set or its controls.

If your existing television set is being retained and relocated, the same considerations as above should be applied.

CONNECTIONS

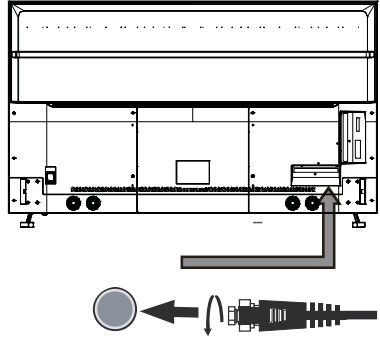
CONNECTING A TV ANTENNA / CABLE / SATELLITE

To view television channels correctly, a signal must be received from one of the following sources:

- An indoor or outdoor aerial antenna
- A cable system
- A satellite system

NOTE

For receiving over-the-air TV broadcasts, we recommend that you use an external fixed antenna. Should you require the use of a temporary antenna, please ensure that you purchase an antenna with sufficient ability to receive in weak signal areas. Only when you are in close proximity to a transmitter will a temporary antenna reproduce a signal as strongly as a fixed antenna.



Satellite, cable or TV antenna cable to TV ANTENNA terminal (cable not included)

CONNECTING AN A/V DEVICE

To connect to other equipment such as a VCR, camcorder, satellite system or cable, etc.

CONNECTING DEVICES WITH A COMPOSITE VIDEO OUTPUT

To connect AV devices such as a VCR, video game system or camcorder.

Connecting to a VCR / Video Game System / Camcorder

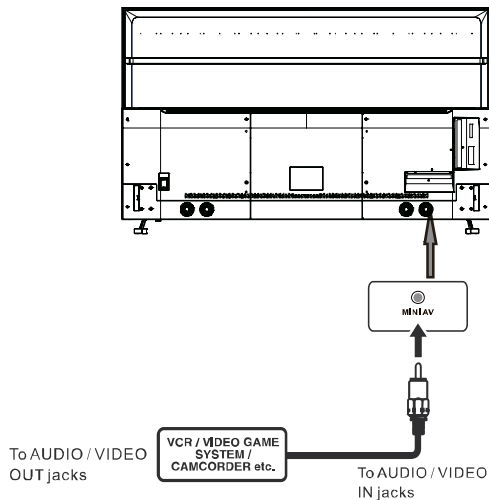
Connect the AUDIO / VIDEO cable (not included) as shown.

Make sure you connect the cable from the other equipment (**AUDIO** and **VIDEO OUT**) to this unit (Mini AV)

NOTE

1. Please refer to the user manual for the other equipment for more information.

2. Composite video input (shared with component)



CONNECTIONS

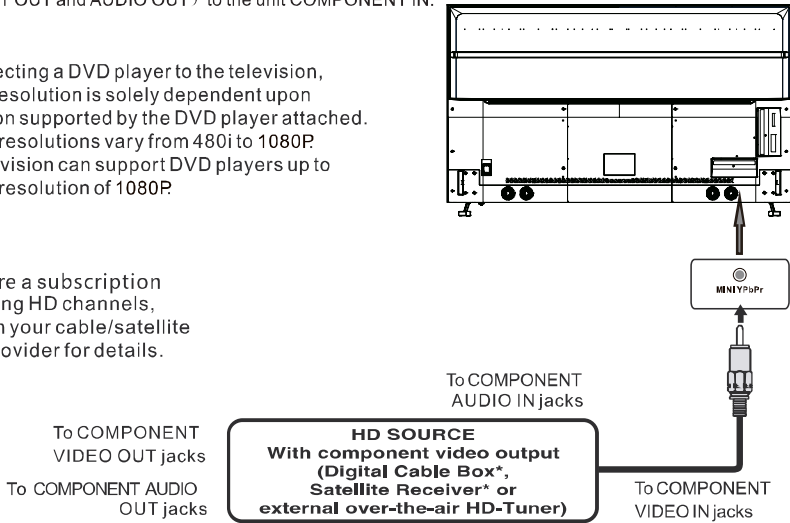
CONNECTING A HIGH-DEFINITION (HD) SOURCE USING COMPONENT CONNECTION

High-Definition (HD) Devices with component video output must be connected to the YPbPr input. Connect the component video cable and audio cable (not included) as shown. Make sure you connect the component video cable and audio cable from the other equipment (COMPONENT OUT and AUDIO OUT) to the unit COMPONENT IN.

NOTE

When connecting a DVD player to the television, the picture resolution is solely dependent upon the resolution supported by the DVD player attached. DVD player resolutions vary from 480i to 1080P and this television can support DVD players up to a maximum resolution of 1080P.

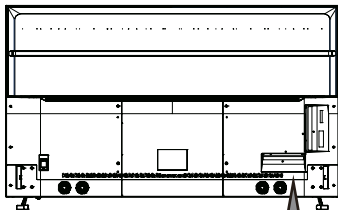
* May require a subscription for receiving HD channels, check with your cable/satellite service provider for details.



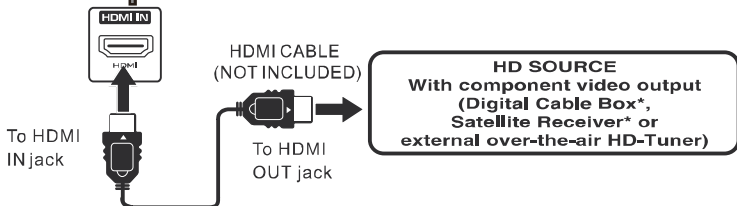
CONNECTING A HIGH-DEFINITION (HD) SOURCE USING HDMI CONNECTION

HDMI (High Definition Multimedia Interface) supports both video and audio on a single digital connection for use with DVD players, DTV, set-top boxes and other digital AV devices. HDMI was developed to provide the technologies of High Bandwidth Digital Content Protection (HDCP) as well as Digital Visual Interface (DVI) in one specification. HDCP is used to protect digital content transmitted and received by DVI-compliant or HDMI-compliant displays.

HDMI has the capability to support standard, enhanced or high-definition video plus standard to multi-channel surround-sound audio. HDMI features include uncompressed digital video, a bandwidth of up to 2.2 gigabytes per second (with HDTV signals), one connector (instead of several cables and connectors), and communication between the AV source and AV devices such as DTVs.



Connect the HDMI cable (not included) as shown:
Make sure you connect the cable from the source equipment (HDMI OUT) to this unit (HDMI IN).



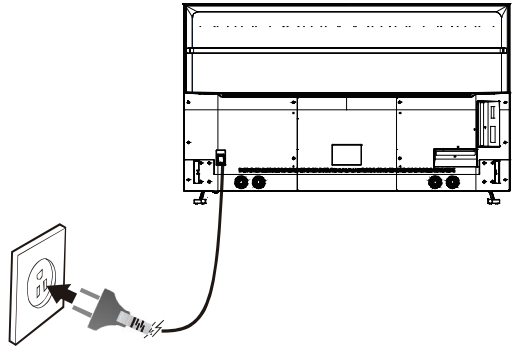
CONNECTIONS

CONNECTING THE POWER CORD

You can power on your TV unit before you make sure the power cord is inserted well. At the same time, please check that the rated voltage of your unit matches your local Voltage.

NOTE

- Insert the power plug fully into the socket outlet. (If the power plug is loose it could generate heat and cause fire .)
- Ensure that the power plug is easily accessible.
- Ensure the earth pin on the power plug is securely connected to prevent electrical shock.
- Do not touch the power plug with a wet hand. (This may cause electrical shock)
- Do not use any power cord other than that provided with this TV. (This may cause fire or electrical shock.)
- Do not damage the power cord. (A damaged cord may cause fire or electrical shock.)
- Do not move the TV with the cord plugged in the socket outlet.
- Do not place a heavy object on the cord or place the cord near a high-temperature object.
- Do not twist the cord, bend it excessively, or stretch it.
- Do not pull on the cord. Hold onto the power plug body when disconnecting cord.
- Do not use a damaged power plug or socket outlet.



To AC wall outlet

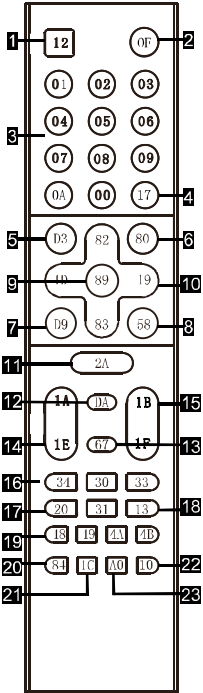
ACCESSORIES

Please check and identify the supplied accessories.

Remote control	x 1
Battery(AAA)	x 2
Instruction Manual	x 1
Base stand and 3 screws	x 2

PREPARATION

Remote Control



1. **POWER**: Turn the TV on and off.
2. **Input**: This button is used to switch among different sources, Select a source and press ENTER button to confirm.
3. **Digital Buttons(0-9, -)**: Directly select channel with digital buttons.
4. **C**: Switch to the previous program.
5. **Q.MENU**: Press this key to go to quick menu,
6. **Menu**: Display the main menu or exit the current menu.
7. **Back**: Return.
8. **Exit**: Exit the menu.
9. **ENTER**: Validation key,
10. **Arrow buttons** **▲▼◀▶**: Use to select on-screen menu items and change menu values.
11. **NETFLIX**: If network connects, press this key to view NETFLIX directly.
12. **HOME**: Press it to go to App home page.
13. **pandora**: Press this button to select pandora application (for US only) .
14. **VOL +/-**: Press these buttons to adjust the volume.
15. **CH v/^**: Press these buttons to change channel upward or downward.
16. **Digital Media Player control button**: Include play/pause, stop,—previous, next, backward, forward is used in USB mode . Please refer to relevant instructions in the section of multimedia player.
17. **CC**: Press this button to adjust CC mode.
18. **MTS/Audio**: In USB mode press this button to switch auto track when movie is playing. In TV mode press this button to switch MTS or Audio Language.
19. **Color buttons**: It's used as or Program Edit menu.
20. **TTS**: Press this button to adjust TTS on or off or off (for US only) .
21. **INFO**: Display the program information.
22. **YouTube**: If network connects, press this key to view YouTube directly.
23. **MUTE**: Press this button to cut off the sound of the TV set temporarily, press again to resume.

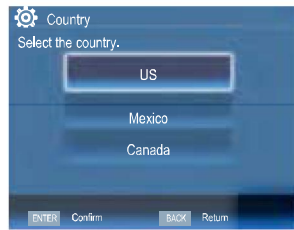
Basic Operations

Initial Setup

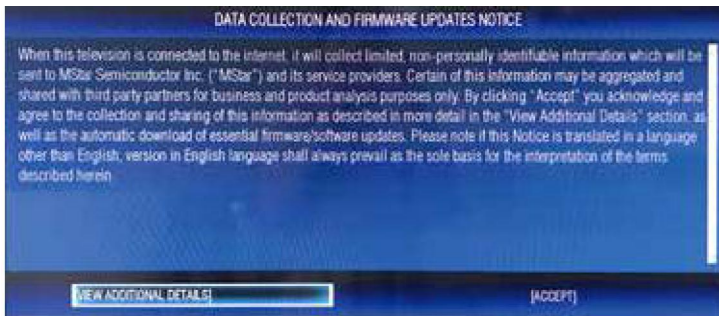
- Connect the power cord to the power socket after you have completed all the physical connections. At this stage, the TV will enter Standby Mode and the red LED indicator will illuminate.
- In Standby Mode, press the **⏻** button on the main unit or on the remote control to turn the TV on. The red LED indicator will turn off.
- The first time you turn the TV on, it will go into the Setup Wizard. Press **◀/▶** **▲/▼** buttons to select your desired mode and press **ENTER** confirm.



1



2



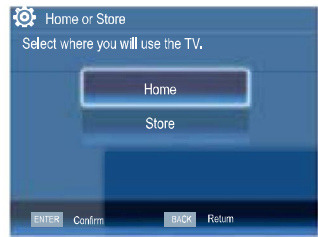
3



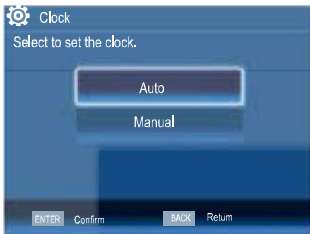
4



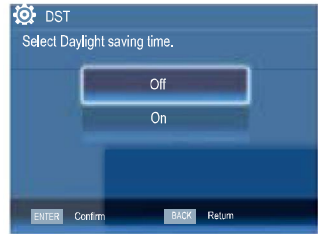
5



6



7



8



9

Home Mode : The picture mode will be Standard if you select this mode.

Retail Mode : Select Dynamic Mode if you would like your picture to be brighter. At times this mode may use more energy to operate the Volume/Sound Mode and Picture Mode.

- The **SLEEP-MODE Power should be less than 0.5 W.**

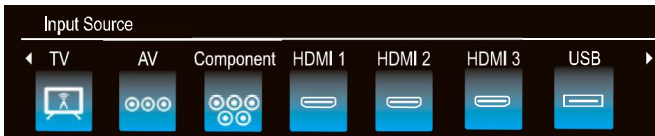
Basic Operations

Menu Operation

1 Input Setup

Press **INPUT** key on the remote control to enter "INPUT SOURCE" menu. There are these options for you to select: "TV", "AV", "Component", "HDMI1", "HDMI2", "HDMI3", "USB".

Use ◀▶ key to select a input source and press **ENTER** key to confirm.



2 Channels Selection

There are four ways to select channel:

- 1) Using number keys, and **ENTER** keys on the remote control to select channel directly.

To select channel 90, press 9 → 0 → ENTER .

When you use the number buttons, you can directly select channels that were either erased or not memorized.

- 2) Using **CH▲/▼** key on the remote control or on your TV to select channel.

When you press the **CH▲/▼** key, the TV changes channels in sequence. You will see all the channels that the TV has memorized.

You will not see channels that were either erased or not memorized.

- 3) Press ↻ key to return to previous channel, press it again to return to current channel.

To quickly switch between two channels that are far apart, tune to one channel, then use the number keys to select the second channel. Then use the ↻ button to quickly alternate between them.

↻ is not activated if no channel has been changed after TV turning on.

- 4) Select channels from "Channels List" or "Favorite List".

Press **LIST** key to choose from "Channel List" menu.

3 Volume Adjustment and Mute Setup

Volume adjustment

Press **VOL +/–** key on the remote control or the TV to display "Volume" menu, adjust the volume of TV between 0 to 100 by using **VOL +/–** key:

- To increase the volume, press **VOL +** key;
- To decrease the volume, press **VOL -** key;



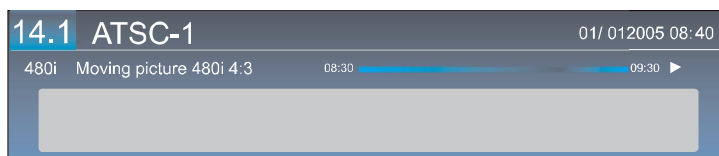
Mute

Press "**MUTE**" and the sound cuts off. The MUTE icon will appear in the lower-right corner of the screen.

To resume sound, press the "**MUTE**" button again, or simply press the **VOL +** key.

4 Current Channel Information

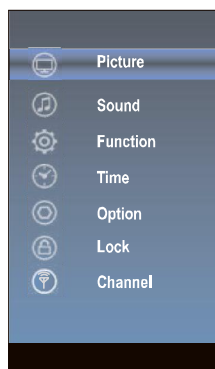
Press "INFO" key on the remote control to view current channel information, the indications of channel information are listed in the following table.



Press "EXIT" key on the remote control to exit this OSD.

Picture

1. Press **MENU** key to display the main menu on the screen.
2. Press **▲/▼** key to select "Picture" option.
3. Press **▶** key to enter "Picture" submenu.
4. You can also press the **PICTURE** key on the remote control to select one of the picture settings.



Picture Mode

Your TV has four picture settings (Vivid, Standard, Movie, Eco Save, User) that are preset at the factory. Only "User" mode can be set to your preference by adjusting particular items such as Contrast, Brightness, Color, Sharpness.

1. Press **▲/▼** key to select "Picture Mode" option.
2. Press **▶** or "ENTER" key to confirm.
3. Press **▲/▼** key to select one picture mode.

Picture

User settings for PICTURE

(Contrast, Brightness, Color, Sharpness, Tint)

Your set has several settings which allow you to control picture quality.

1. Press ▲/▼ key to select a particular item.
2. Press ◀/▶ key to decrease or increase the value of a particular item.

Note: The adjusted values are stored according to the selected particular item.

Picture Mode	
Contrast	70
Brightness	50
Color	70
Sharpness	50
Tint	0
Backlight	75
Color Temperature	

- Contrast: Adjusts the lightness and darkness between objects and the background.
- Brightness: Adjusts the brightness of the picture.
- Color: Adjusts the colors, making them lighter or darker.
- Sharpness: Adjusts the outline of objects to either sharpen them or make them more dull.
- Tint: Adjusts the Tint of the picture.

Backlight

You can Change the brightness of the entire screen according to your preference.

1. Press ▲/▼ key to select "Backlight" option.
2. Press ◀/▶ key to increase or decrease the backlight value.

Backlight: Adjusts the brightness of the whole screen.

Color Temperature

You can change the color of the entire screen according to your preference.

1. Press ▲/▼ key to select "Color Temperature" option.
2. Press ▶ or "ENTER" key to confirm.
3. Press ▲/▼ key to select one color temp.

- Cool: Makes whites bluish.
- Standard: Makes whites nature
- Warm: Makes whites reddish.

Sound

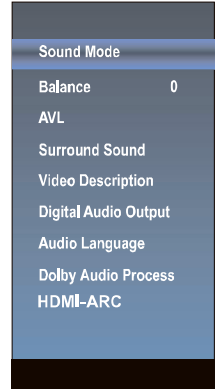
1. Press **MENU** key to display the main menu on the screen.
2. Press **▲/▼** key to select "Sound" option.
3. Press **▶** key to enter "Sound" submenu.
4. You can also press the **SOUND** key on the remote control to select one of the sound.

Sound Mode

You can select the type of the special sound effect to be used when watching a given broadcast. Your TV has five sound settings ("Standard", "Music", "Movie", "Sports", "User") that are preset at the factory.

1. Press **▲/▼** key to select "Sound Mode" option.
2. Press **▶** or "ENTER" key to confirm.
3. Press **▲/▼** key to select one sound mode.

- Standard: Selects the normal sound mode.
- Music: Provides clear and live sound for music.
- Movie: Provides live and full sound for movies.
- Sports: Emphasizes bass over other sounds.
- User: Selects your custom sound settings.



Balance

If the volumes of the left speaker and the right speaker are not the same, you can adjust the "Balance" to suit your personal preference.

1. Press **▲/▼** key to select "Balance" option.
2. Press **◀/▶** key to decrease or increase the value of the item.

AVL

Each broadcasting station has its own signal conditions, and it is inconvenient to adjust the volume every time the channel is changed. "AVL" automatically adjusts the volume of the desired channel by lowering the sound output when the modulation signal is high or by raising the sound output when the modulation signal is low.

1. Press **▲/▼** key to select "AVL" option.
2. Press **▶** or "ENTER" key to confirm.
3. Press **▲/▼** key to select "On" or "Off".

Surround Sound

This is used to turn on surround sound to gain better sound effect.

1. Press **▲/▼** key to select "Surround sound" option.
2. Press **▶** or "ENTER" key to confirm.
3. Press **▲/▼** key to select "Surround" or "Off".

Video Description

1. Press **▲/▼** key to select "Video Description" option.
2. Press **▶** or "ENTER" key to confirm.
3. Press **▲/▼** key to select "On" or "Off".

SOUND

Digital Audio Output

This is used to set digital audio output.

1. Press ▲/▼ key to select "Digital Audio Output" option.
2. Press "▶" or "ENTER" key to confirm.
3. Press ▲/▼ key to select "Auto" or "PCM".

Audio Language

You can set the primary and secondary language for audio.

Dolby Audio Process

You can set Dolby Audio Process on the Dolby Audio Process submenu.

HDMI-ARC

Turn on or turn off the HDMI-ARC function.

Function

1. Press MENU key to display the main menu on the screen.
2. Press ▲/▼ key to select "Function" option.
3. Press ▶ key to enter "Function" submenu.

Noise Reduction

Press ▲/▼ key to select the Noise Reduction mode. You can select the right mode to match the pictures.

MPEG Noise Reduction

Press ▲/▼ key to select the Mpeg Noise Rdeuction mode: off/low/middle/high. The picture will be better when it is in "high" mode.

Aspect Ratio

1. Press ▲/▼ key to select "Aspect Ratio" option.
2. Press "▶" or "ENTER" key to confirm.
3. Press ▲/▼ key to change the size of the picture on the size of the picture on the screen.

Dolby Audio Process	
Dolby Audio Process	Off
Mode	Movie
Surrond Virtualizer	High
Dialog Enhancer	High
Auto Voulme Control	Off

Noise Reduction
MPEG Noise Reduction
Aspect Ratio
Link Setup
HDMI EDID
Netflix Deactivate
Netflix ESN
Netflix Version
VUDU Deactivate
TTS

Function

Link Setup

1. Press ▲/▼ key to select "Link Setup" option.
2. Press ENTER or ►key to enter "Link Setup" submenu.

Enable Link: Press ◀/▶ to turn on/off the link setup.

Auto Power On: When this option is "On" and the TV is in standby mode. To turn on the DVD or other supporting CEC function devices can also turn the TV at the same time.

Auto Standby: When this Option is "On" and the TV is on, to turn off TV can also turn the DVD or other supporting CEC function devices into standby mode.

Link Setup	
Enable link	On
Auto Power On	On
Auto Standby	Off

HDMI EDID

This function is only used in HDMI mode.

1. Press "▲/▼" key to select "HDMI EDID" option.
2. Press "►" or "ENTER" key to confirm.
3. Press ▲/ ▼ key to select "2K", "4K" or "AUTO".

Netflix Deactivate

1. Press "▲/▼" key to select "Netflix Deactivate" option.
2. Press "►" or "ENTER" key to confirm.
3. Press "Yes" to confirm again, the Netflix will be activated.

Netflix ESN

Display the Netflix Esn information.

Netflix Version

Display the Netflix version.

VUDU Deactivate

1. Press "▲/▼" key to select "VUDU Deactivate" option.
2. Press "►" or "ENTER" key to confirm.

TTS

You can set TTS information in the TTS menu.

TTS	
TTS	Off
Verbosity	Low
Rate Support	Slow
Pitch Support	Mid
	Betty Say

Time

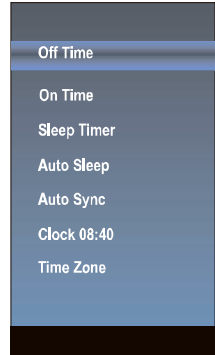
1. Press **MENU** key to display the main menu on the screen.
2. Press **▲/▼** key to select "Time" option.
3. Press **▶** key to enter "Time" submenu.

Off Time

In "Off Time" item, press **▶** button or **ENTER** button to enter the submenu, set the day & time to turn off the TV set.

On Time

In "On Time" item, press **▶** button or **ENTER** button to enter the submenu, set the time to turn on the TV set, when the TV set is in the standby mode. You can also choose which day to control you TV set in a week.



Sleep Timer

1. Press **▲/▼** key to select "Sleep Timer" option.
2. Press **▶** or "ENTER" key to confirm.
3. Press **▲/▼** key repeatedly until the desired time appears (Off, 10mins, 20mins, 30mins, 60mins, 90mins, 120mins, 180mins, 240mins).

Notes: The sleep timer you have set will be cancelled when the TV turns off or if a power failure occurs.

Notes: When the time is less than 60 seconds, remind information will be displayed on the screen. Press any key button to cancel timer function.

Auto Sleep

Press **▲/▼** key to select whether to open the No signal Power off features. If this function is opened, the TV will power off in ten minutes when there is no signal.

Auto Sync

You can modify the time of your TV set in Manual mode. In Auto mode, the "clock" is decided by the DTV signal.

Clock

When Auto Sync is on, the clock is got from DTV streams; Set the clock when Auto Sync is off.

Time Zone

You can choose it to modify your time zone in the TV set.

1. Press **▲/▼** key to select "Time Zone" option.
2. Press **▲/▼** key to select time zone.

Option

1. Press **MENU** key to display the main menu on the screen.
2. Press **▲/▼** key to select "Option" option.
3. Press **▶** key to enter "Option" submenu.

OSD Language

1. Press **▲/▼** key to select "OSD Language" option.
2. Press **ENTER** or **▶** key to select a proper language for OSD

OSD Time

Set the preferred amount of time for the OSD to be displayed on the screen.

Closed Caption

1. Press **▲/▼** key to select "Closed Caption" option.
2. Press **ENTER** key to open CC submenu.

Reset

1. Press **▲/▼** key to select "Reset" option.
2. Press **▶** or "ENTER" key to confirm.
3. Press "Yes" to confirm again, TV will turn off automatically and change all setting to factory setting.

Network configuration

Please refer to "Network setting" behind.

Software Update(USB)

When the TV need to be updated, please copy the new software to a USB storage and inset the USB storage to TV, then operating by following steps.

1. Press **▲/▼** key to select "Software Update(USB)" option.
2. Press **▶** or "ENTER" key to confirm.
3. Press "Yes" to confirm again, the TV will update by USB, Please wait a few minutes and don't turn off the power, it will turn off automatically when updating is finish.

View End-User License

1. Press **▲/▼** key to select "View End-User License" option.
2. Press **▶** or "ENTER" key to confirm.

Internet Update Check

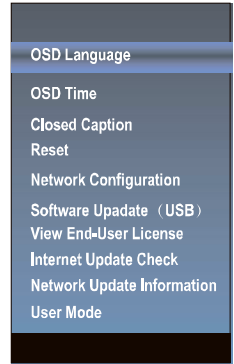
1. Press **▲/▼** key to select "Internet Update Check" option.
2. Press **▶** or "ENTER" key to confirm.

Network Update Information

1. Press **▲/▼** key to select "NetworkUpdate Information" option.
2. Press **▶** or "ENTER" key to confirm.

User Mode

1. Press **▲/▼** key to select "User Mode" option.
2. Press **▶** or "ENTER" key to confirm.
3. Switch to use mode "Home" or "Store".



Lock

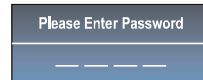
The "Lock" feature automatically locks out programming that is deemed inappropriate for children. The user must first enter a Password before any of the lock restrictions can be set up or changed.

1. Press ▲/▼ key to select "Lock" option.
2. Press ENTER or ► key to enter "Lock" submenu, "Enter Password" menu will appear, enter your 4-digit password to enter "Lock" submenu (the default and universal password is 0000).

Lock System

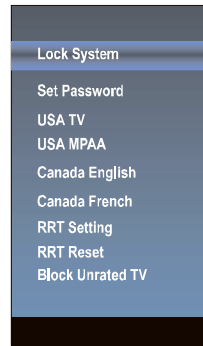
Set the Lock function on or off.

1. Press ▲/▼ key to select "Lock System" option.
2. Press "►" or "ENTER" key to confirm.
3. Press ▲/▼ key to select "On" or "Off".



Set Password

1. Press ▲/▼ key to select "Set Password" option.
2. Enter your 4-digit password to enter "Set Password" submenu. Choose any 4-digits for your new password and enter them. As soon as the 4 digits are entered, the cursor skipped to "Confirm Password" item, re-enter the same 4 digits, and your new password has been memorized.



When the programs is locked, you can also press the menu key, Info key and so on. Then you can press ◀/▶ key to call back the input-password window.

USA TV

1. Press ▲/▼ key to select "USA TV" option.
2. Press ENTER key to open USA TV menu.

USA MPAA

1. Press ▲/▼ key to select "USA MPAA" option.
2. Press ENTER key to open USA MPAA menu.

Canada English

1. Press ▲/▼ key to select "Canada English" option.
2. Press ENTER key to open Canada English menu.

Canada French

1. Press ▲/▼ key to select "Canada French" option.
2. Press ENTER key to open Canada French menu.

RRT Setting

1. Press ▲/▼ key to select "RRT Setting" option.
2. Press ENTER key to open RRT Setting menu.

RRT Reset

1. Press ▲/▼ key to select "RRT Sreset" option.
2. Press ENTER key to open RRT Sreset menu.

Block Unrated TV

1. Press ▲/▼ key to select "Block Unrated TV" option.
2. Press ENTER key to open Block Unrated TV menu.

Channel

Before your television can begin memorizing the available channels, you must specify the type of signal source that is connected to the TV (i.e. an antenna or a cable system).

1. Press **MENU** key to display the main menu on the screen.
2. Press **▲/▼** key to select "Channel" option.
3. Press **ENTER** or **▶** key to enter "Channel" submenu.

Antenna Mode

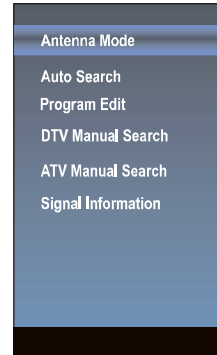
1. Press **▲/▼** key to select "Antenna" option.
2. Press **▲/▼** key to select "Antenna" or "CABLE"
3. Press **▶** or "ENTER" key to confirm.

Auto Search

1. Press **▲/▼** key to select "Auto Search" option.
2. Press **▶** or **ENTER** key to confirm. then a notice window will be displayed on the screen. Select "Start" to start search or "Cancel" to cancel it. When searching, press **EXIT** key to exit tuning at any moment. Press **MENU** key to skip DTV tuning when searching DTV, skip ATV tuning when searching ATV.
3. After all the available channels are stored, the searching menu will exit.

Program Edit

After the program is searched, select "Program Edit" in the "Channel" menu, press "ENTER" button, program can be edited such as delete or skip according to the user's habit.



Skip (Blue) Button

This function can help shield certain program. Program skips when selecting program by the "▲/▼" button on the TV or remote control.

1. Select the program to be shielded in the "Program Edit".
2. Press "Skip" (Blue) button, the skip mark is displayed at the left side of the program and this program is shielded.
3. To cancel the Skip function, enter the channel edit menu, select the shielded program and press "Skip" (Blue) button, the skip mark at the left side of the program disappears then program is recovered.

Delete (Red) Button

This function can help delete program.

1. Select the program to be deleted in the "Program Edit".
2. Press "Delete"(Red) button, the program will be deleted.

Menu system instruction

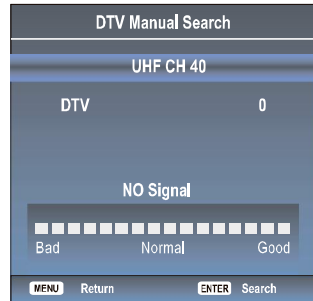
Favorite(Yellow) button

This function can help store the favorite program then these programs can be quickly selected.

1. Select the program which is favorite.
2. Press "Fav"(Yellow) Button, the favorite mark is displayed at the left side of the Program Edit is store into the Favorites.
3. To cancel the Favorite function, enter the program edit menu, select the program and press "Fav"(Yellow) button, the favorite mark at the left side of the program disappears.

DTV Manual Search

Enter digital number and press "ENTER" to select DTV Channel.



ATV Manual Search

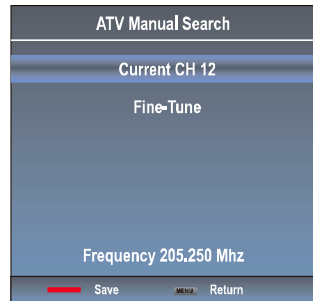
1. Press ▲/▼ key to select "ATV Manual Search" option.
2. Press ► or ENTER key to enter submenu.

Current CH

1. Press ▲/▼ key to select the Current CH.
2. Press ◀/▶ key to select current channel.

Fine-Tune

1. Press ▲/▼ key to select the Fine-Tune.
2. Press ◀/▶ key to select a better frequency for current channel.



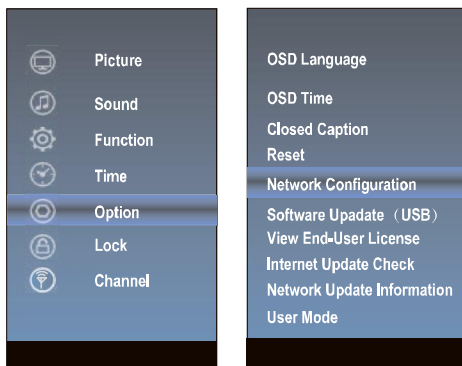
Signal Information(Used only in DTV)

1. Press ▲/▼ key to select "Signal Information" option.
2. Press "ENTER" or ► key, you can see the information of the DTV channel.

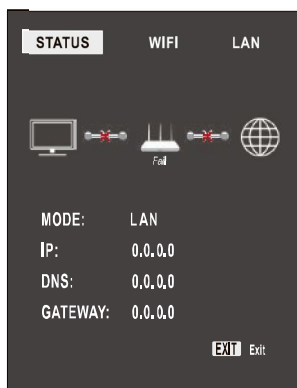


NETWORK SETTING

1. Press the "Menu" to enter, then pitch on the "Option", and press "ENTER" or click the right button to enter the submenu.

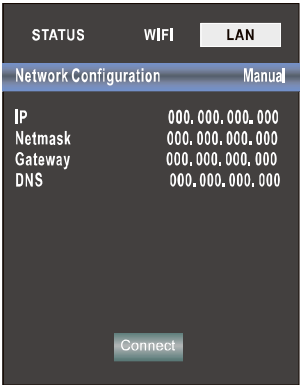


2. Pitch on the "Network Configuration", and press "ENTER" or click right button to enter the "Network Configuration".

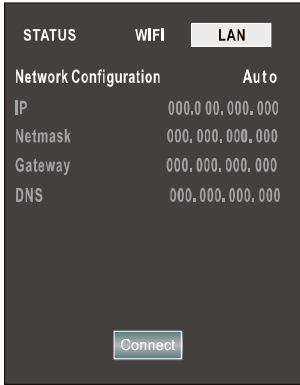


3. When the wired network is used, if select dynamic IP address setting, pitch on the "Connect" in the "Network Configuration", then click the "Connect", and press the "ENTER" button to enter.

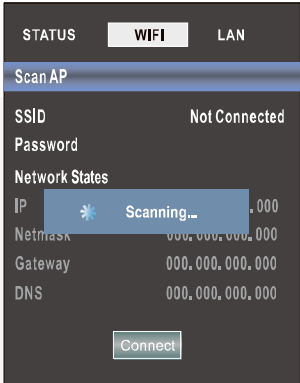
If select static IP address setting, pitch on the "Manual" in the "Network configuration", then connect up the IP, Netmask, Gateway and DNS in sequence. When the connect complete, pitch on the "connect" and press the "Enter".



4.If shows "Success", the "WLAN" on the bottom right corner will turn to green from red, and it means the network connect successfully; If shows "Fail" , it means the network can not connect, please check whether the net wire and router connect successfully or not,



5. Select the "WIFI" in the Network Configuration before using WIFI connecting.



1. Press the menu button, a menu and choose "Option", under the Option menu select "Network Configuration" interface for Network connection.

2. In the network interface "◀" "▶" key to switch to WIFI connection interface.

3. Press the "▲" and "▼" key to select Scan for AP, scanning can connect to the AP.

4. The scan is complete, and will appear a dialog "Please select wifi connection mode".



5. If you choose "Auto", and press "ENTER", there will be a AP list, choose the AP will connect, press "ENTER" to confirm.

6. Select "Password", there will be a small keyboard, with small keyboard input WIFI Password, input is completed in accordance with the "RETURN" on the keypad.

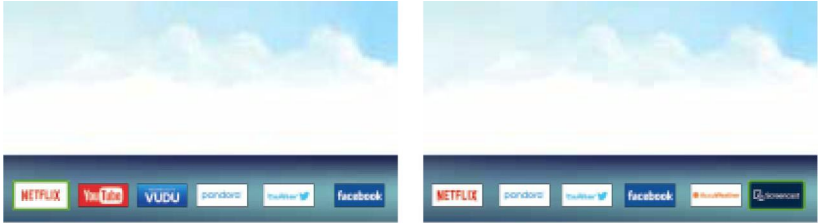


7. Press the "▲" "▼" button with each SETTING.


8. In step 5, if you choose "Manual", and press "ENTER", there will appear a new frame, in this frame, you can use the AP which be hidden, input the SSID and password, press "OK" to confirm.



Press "HOME" key to enter internet interface




1. NETFLIX

- ❶ Use arrow key to Select  button, then press "ENTER" key to enter NETFLIX.
- ❷ Input the right Email and password, then select "Next" button and press "ENTER" key to login.



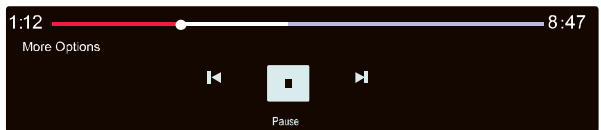
- ❸ Use arrow button to select one video and press "ENTER" key to play. Press "MENU" key to exit playing.
- ❹ Use arrow key to browse the pages. press "MENU" key to return to main menu and press "EXIT" key to exit.

2. Youtube

- ❶ Use arrow key to Select  button, then press "ENTER" key to enter Youtube.

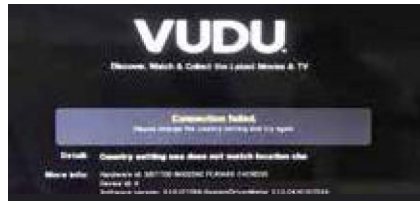


- ❷ Use arrow button to select one video and press "ENTER" key to play.
- ❸ Press ▼ key to open or close control menu when playing.



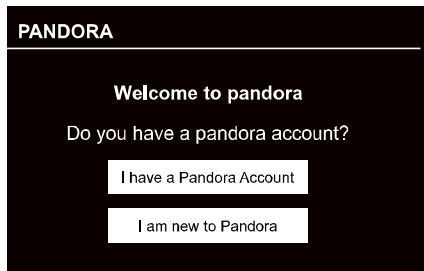
3. VUDU

- Use arrow key to Select **VUDU** button, then press “ENTER” key to enter VUDU.



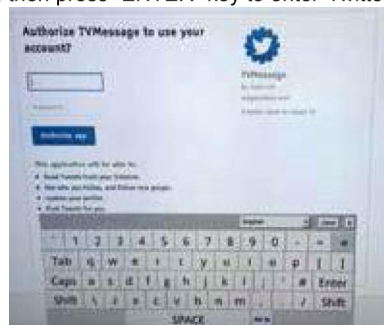
4. pandora

- Use arrow key to Select **pandora** button, then press “ENTER” key to enter pandora.
- Input the right Email and password, then select “login” button and press “ENTER” key to login.



5. Twitter

- Use arrow key to Select **Twitter** button, then press “ENTER” key to enter Twitter.




- Input the right Email and password, then select “Authorize app” button and press “ENTER” key to log in.



- ③ Use arrow key to browse the pages. press "MENU" key to return to main menu and press "EXIT" key to exit twitter.

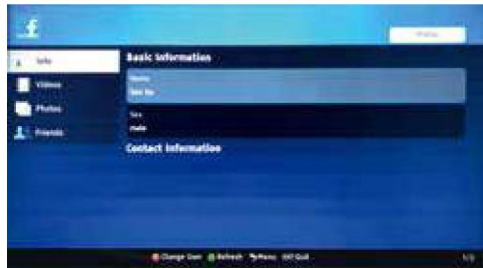
Red key: log in or log out twitter.
Green key: refresh current page.
Yellow key: write new tweet.
Blue key: Search tweet.

6. Facebook

- ① Use arrow key to Select  button, then press "ENTER" key to enter Facebook.



- ② Input the right Email and password, select "log In" button, then press "ENTER" key to log in.



- ③ Press arrow key to browse the pages and press "ENTER" key to view.
Press "MENU" key to return the main menu.
Press "EXIT" key to exit Facebook.

Red key: log in or log out Facebook.

7. Accuweather

- 1 Use arrow key to Select  button, then press "ENTER" key to enter Accuweather.



- 2 Input a city or zip code press select to get the weather information.

8. Screencast

- 1 Use arrow key to Select  button, then press "ENTER" key to enter Screencast.



DISPLAY MODE

VIDEO FORMATS

SUPPORTED COMPONENT / HDMI INPUT MODE			
Resolution	Horizontal Scanning Frequency (KHz)	Vertical Scanning Frequency (Hz)	Format
720 x 480	15.73	59.94	480 i
720 x 480	31.5	59.94	480 p
1280 x 720	45	60	720 p
1920 x 1080	33.75	60	1080 i
1920 x 1080	27	24	1080 p
1920 x 1080	67.50	60	1080 p
3840 X 2160	53.9	24	2160p
3840 X 2160	67.5	30	2160p
3840 X 2160	134.5	60	2160p

NOTE:

The above listed formats are also related to the AV devices you are about to connect. Before you connect this unit with others please read all instructions carefully and make sure all necessary cables are connected.

This unit may be incompatible with some other formats which are not meet the above conditions.

SPECIFICATION

ModelDescription		82"LED TV
Panel	Panel Type	LED Panel
	Diagonal Size	82 inches
	Screen Format	16:9
	Resolution	3840 x 2160
	Brightness	280 nits
	Contrast	5000:1
	View Angle	176(H)/176(V)
	Response Time	6ms
	Maximum Color	16. 7M colors
Systems	Refresh Rate	60Hz
	Color System	ATSC/NTSC
	Sound System	M
	Audio System	MTS
Input / Output Jacks	Sound Output	L/RSpeaker: 10W+10W
	RF Input	75 ohm external terminal
	HDMI Input	Video: 480i,480p,576i,576p,720p,1080i,1080p,2160p. Audio: Two channel linear PCM32, 441 and 48kHz , 16, 20 and 24bits
	PC-RGB Input	D-sub 15pin G: 0.7Vp-p, 75 ohms B: 0.7Vp-p, 75 ohms R: 0.7Vp-p, 75 ohms
	Composite Video Input	1.0 Vp-p, 75 ohms RCA
	Component / YPbPr Input	RCA Y: 1.0 Vp-p, 75 ohms, 0.3V negative sync Pb: 0.7Vp-p, 75 ohms Pr : 0.7Vp-p, 75 ohms
	Sound Input	Component AUDIO: For Component Audioinput AV AUDIO: For CVBS Audioinput PC AUDIO: For PC RGB Audio input 500mV rms. Impedance: 20k ohms
	Digital Audio Out Optical	SPDIF Optical
	USB Port	USB Media Player
Power	Power Requirement	100-240V~ 50/60Hz
	Rated power consumption	350W

This manual is only for your reference.
Specifications are subject to update without prior notice.

TROUBLESHOOTING GUIDE

SYMPTOM

CAUSE (AND REMEDY)

TV

Bad Picture (snow, multiple images distortion,blurry)

- Check the location of the antenna and adjust it if necessary.
- Make sure the antenna cable is firmly connected.
- Make sure all input cables are firmly connected.

No sound.

- Increase the volume.
- Check whether the mute function has been activated on the Remote Control.

Black and White picture.

- Check the PICTURE setting within the PICTURE menu.
- Check to make sure the program you are watching is broadcast in Color and not Black & White.

No picture or sound.

- Make sure the unit is plugged in and turned on.
- Make sure that the ATV mode is selected.
- Try a new channel to check for possible station trouble.
- Make sure the antenna is connected properly.
- Increase the volume.
- Make sure the antenna or audio/video source device is working properly.
- Make sure all cables are firmly connected.
- Check for local interference.

Colored patches of picture.

- Make sure there are no unshielded electrical devices nearby that are causing interference.
- Turn the TV off for 30 minutes, then try it again.

Panel function key does not respond correctly.

- Under the influence of electrostatic phenomenon, the product may malfunction and require user to power reset.
- Unplug and re-plug the AC power cord.

The display monitor's panel goes hot.

- LED TV takes inside lighten phosphor. It may increase the temperature of the screen in some occasions. It's not a defect.

Unusual dots

- Black dots and Bright points may appear on the LED screen. This is a structural property of the LED panel and is not a defect.

Stripes on screen

- Adjust the impulse phase may decrease stripes. RGB in

The top of the monitor gets hot.

- It may occur during long-time working. It's not a defect.

Unable to select a certain channel.

- The channel may be skipped. Choose this channel by directly selecting the buttons from the remote control.

Disorder display at power on.

- This may be caused because of a very short interval between POWER OFF and ON.
- Unplug the power and restart.

For service assistance and product information, please call: 1-800-968-9853.
 Pour obtenir assistance et information appelez: 1-800-968-9853.

Curtis International Ltd.

7045 BECKETT DRIVE, UNIT 15, MISSISSAUGA, ON, L5S 2A3 www.curtisint.com

To make a warranty claim, do not return this product to the store. Please email support@curtiscs.com or call 1-800-968-9853.

1 Year Warranty

This product is warranted to be free from defects in material and workmanship for a period of one (1) year from the date of original purchase. During this period, your exclusive remedy is repair or replacement of this product or component found to be defective, at our option; however, you are responsible for all costs associated with returning the product to us. If the product or component is no longer available, we will replace with a similar one of equal or greater value. Prior to a replacement being sent, the product must be rendered inoperable or returned to us.

This warranty does **not** cover glass, filters, wear from normal use, use not in conformity with the printed directions, or damage to the product resulting from accident, alteration, abuse, or misuse. This warranty extends only to the original consumer purchaser or gift recipient. Keep the original sales receipt, as proof of purchase is required to make a warranty claim. This warranty is void if the product is used for other than single-family household use or subjected to any voltage and waveform other than as on the specified rating on the label (e.g., 120V~60Hz).

We exclude all claims for special, incidental, and consequential damages caused by breach of express or implied warranty. All liability is limited to the amount of the purchase price. **Every implied warranty, including any statutory warranty or condition of merchantability or fitness for a particular purpose, is disclaimed except to the extent prohibited by law, in which case such warranty or condition is limited to the duration of this written warranty.** This warranty gives you specific legal rights. You may have other legal rights that vary depending on where you live. Some states or provinces do not allow limitations on implied warranties or special, incidental, or consequential damages, so the foregoing limitations may not apply to you.

For faster service, locate the model, type, and serial numbers on your appliance.

RF exposure statement

This equipment complies with the FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator and any part of your body.

FCC Warning

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE 1: This equipment 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 in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

NOTE 2: Any changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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