



INSTRUCTION MANUAL

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



Model: RNSM4504

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SAFETY CLASS : This is an IEC safety class II product.

IMPORTANT SAFETY INSTRUCTIONS

- **Read these instructions** - All the safety and operating instructions should be read before this product is operated.
- **Keep these instructions** - The safety and operating instructions should be retained for future reference.
- **Heed all warnings** - All warnings on the appliance and in the operating instructions should be adhered to.
- **Follow all instructions** - All operating and use instructions should be followed.
- **Do not use this apparatus near water** - The appliance should not be used near **Water or moisture** - for example, in a wet basement or near a swimming pool, and the like.
- 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.



- 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 the power supply cord or plug is damaged, liquid has been spilled, or objects have fallen into the apparatus, or the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
- Please keep the unit in a well-ventilated environment.


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


WARNING: The batteries shall not be exposed to excessive heat such as sunshine, fire or the like.


WARNING: The wall socket plug is used as a disconnect device, the disconnect device should be readily accessible.

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.



 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.

 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.

 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.

ACCESSORIES

Please check and identify the supplied accessories.

Remote control	x 1
Battery(AAA)	x 2
Warranty Card	x 1
Instruction Manual	x 1
Base stand and 4 screws	x 1

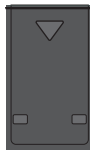
GETTING STARTED

USING THE REMOTE CONTROL

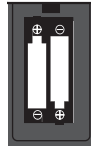
- Point the remote control at the remote sensor located on the unit.
- When there is a strong ambient light source, the performance of the infrared remote sensor may be degraded, causing unreliable operation.
- The recommended effective distance for remote operation is about 16 feet (5 meters).

TO INSTALL THE BATTERIES

1. Open the battery door.



2. Insert 2 "AAA" batteries



BATTERY REPLACEMENT

When the batteries become weak, the operating distance of the remote control is greatly reduced and you will need to replace the batteries.

CAUTION : Danger of explosion if battery is incorrectly replaced.

NOTES

- If the remote control is not going to be used for a long time, remove the batteries to avoid damage caused by battery leakage corrosion.
- Do not mix old and new batteries. Do not mix ALKALINE, standard (CARBON-ZINC) or rechargeable (NICKEL-CADMIUM) batteries.
- Always remove batteries as soon as they become weak.
- Weak batteries can leak and severely damage the remote control.

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.
 - 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.

FCC Statement

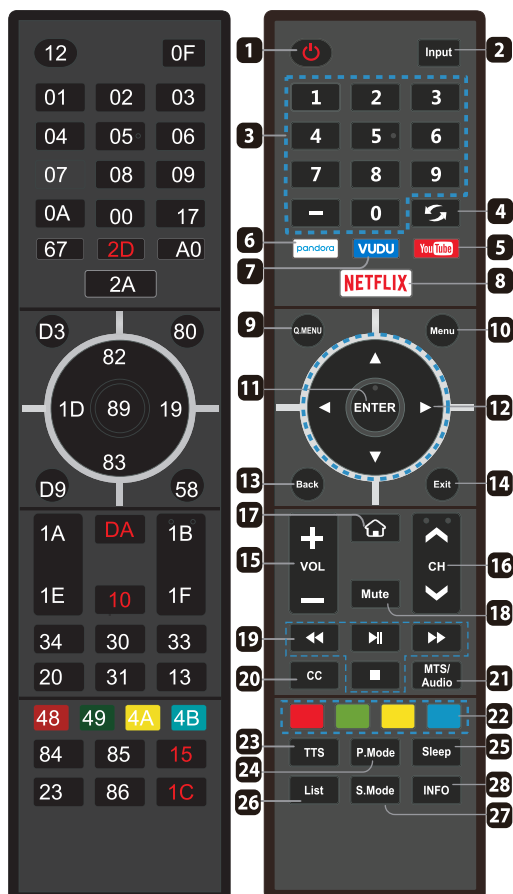
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio 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.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

CONTROL REFERENCE GUIDE

REMOTE CONTROL



1. **STANDBY** : 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. **↶** : Switch to the previous program.
5. **YouTube**: If network connects, press this key to view YouTube directly.
6. **pandora**: Press this button to select pandora application.
7. **VUDU**: Press this button to select VUDU application.
8. **NETFLIX**: If network connects, press this key to view NETFLIX directly.
9. **Q.MENU**: Press this key to go to quick menu.
10. **Menu**: Display the main menu or exit the current menu.
11. **ENTER**: Validation key.
12. **Arrow buttons** : Use to select on-screen menu items and change menu values.
13. **Back**: Return.
14. **Exit**: Exit the menu.
15. **VOL +/-**: Press these buttons to adjust the volume.
16. **CH +/-**: Press these buttons to change channel upward or downward.
17. **Home** : Press it to go to App home page.
18. **MUTE**: Press this button to cut off the sound of the TV set temporarily, press again to resume.
19. **Digital Media Player control button**: Include play/pause, stop, backward, forward is used in USB mode. Please refer to relevant instructions in the section of multimedia player.
20. **CC**: Press this button to adjust CC mode.
21. **MTSAudio** : In USB mode, press this button to switch audio track when movie is playing. In TV mode, press this button to switch MTS or Audio Language.
22. **Color buttons**: It's used as Program Edit menu.
23. **TTS**: Press this button to adjust TTS on or off.
24. **P.Mode**: Press this button for picture settings (Sports, Normal, Soft, User).
25. **Sleep**: Press this button to set the sleep timer.
26. **List**: Press it to show channel list and favorite list on screen.
27. **S.Mode**: Press this button for sound settings (Standard, Music, Movie, Sports, User).
28. **INFO**: Display the program information.

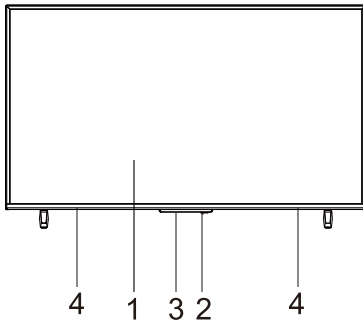
- Press the button to stop USB.
- ⏸ Play/Pause in the USB mode.
- ⏮ ⏭ Fast backward and forward key.
- ⏪ ⏩ Jump to previous and next track.

Remarks: The Universal Remote code is 40BF.
Format: NEC.

NOTE: VUDU and PANDORA USA only.

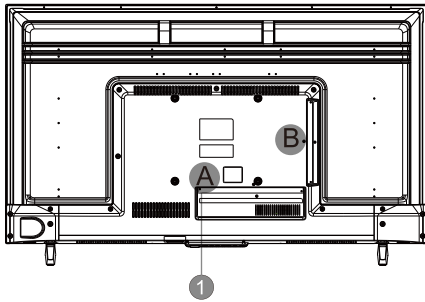
CONTROL REFERENCE GUIDE

FRONT VIEW

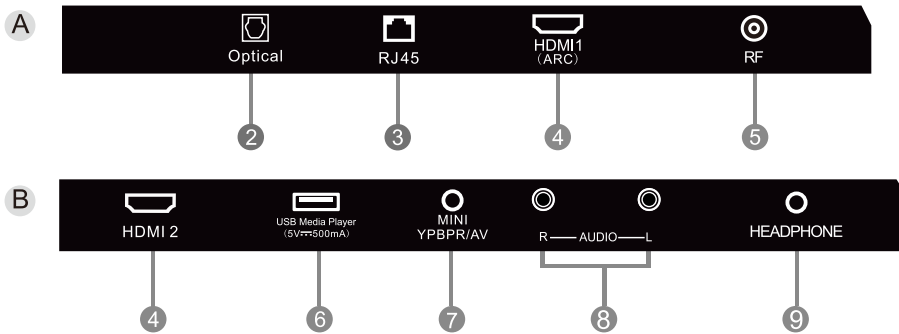


1. Color Screen
2. Standby Indicator
Indicates whether the unit is ON or in STANDBY (OFF) mode.
Light in red: The unit is in STANDBY.
Light in blue: The unit is turned ON.
3. Remote Sensor
Do not block this sensor or the remote control will not work.
4. Speakers

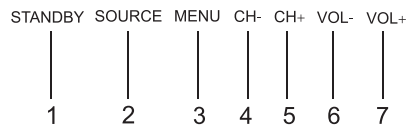
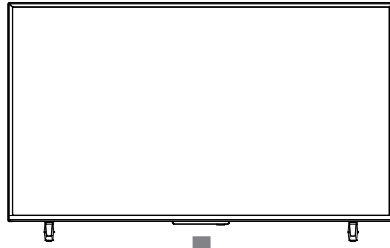
BACK VIEW



1. POWER CORD
2. OPTICAL OUT JACK
3. LAN(RJ45) JACK
4. HDMI1(ARC) / 2 IN JACK
5. TV ANTENNA TERMINAL
6. USB Media Player
7. MINI YPbPr / AV IN
8. AUDIO(R/L) IN
9. HEADPHONE JACK



CONTROL REFERENCE GUIDE



1. STANDBY Button
Press to turn the unit on and off.
2. SOURCE Button
Press to select the input source of the TV.
3. MENU Button
Press to display the on-screen TV menu.
4. CH- Button
Press to change the TV channels and down highlight selections on the menu screen.
5. CH+ Button
Press to change the TV channels and up highlight selections on the menu screen.
6. VOL- Button
Press to adjust the volume down.
7. VOL+ Button
Press to adjust the volume up.

CONNECTIONS

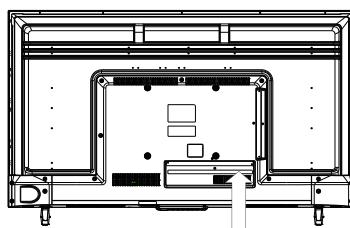
CONNECTING A TV ANTENNA / CABLE / SATELLITE

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 (YELLOW RCA-TYPE) VIDEO OUTPUT

To connect A/V devices such as a VCR, video game system or camcorder.

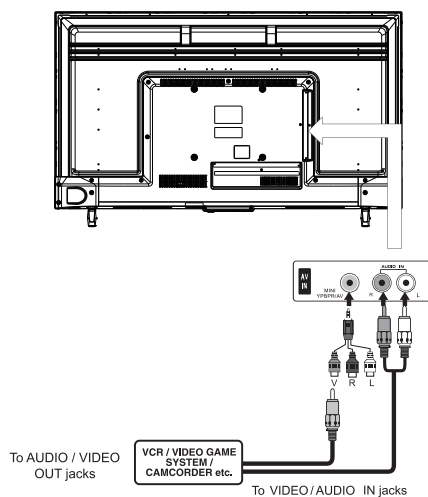
Connecting to a VCR / Video Game System / Camcorder

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 (AV in)

NOTE

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



CONNECTIONS

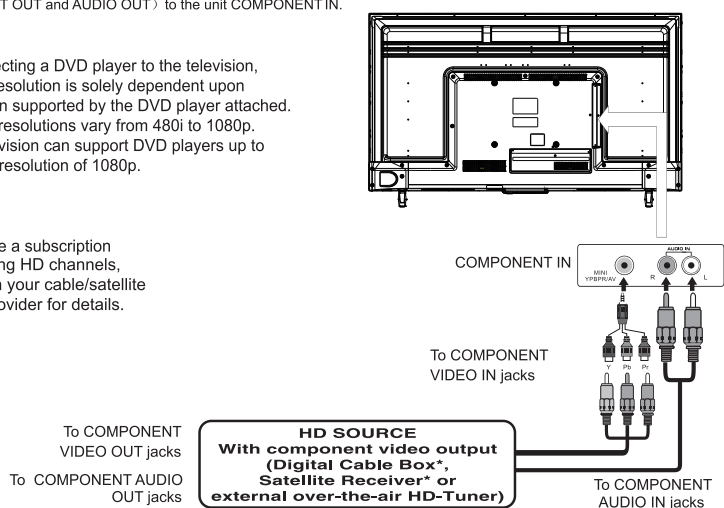
CONNECTING A HIGH-DEFINITION (HD) SOURCE USING COMPONENT CONNECTION

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.

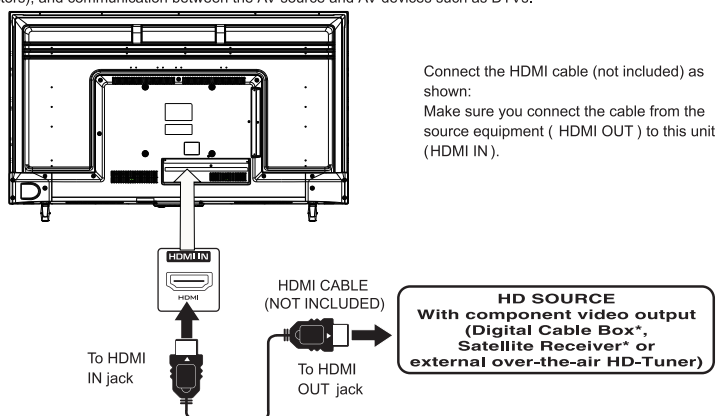
* May require a subscription for receiving HD channels, check with your cable/satellite service provider for details.



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-topboxes 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.



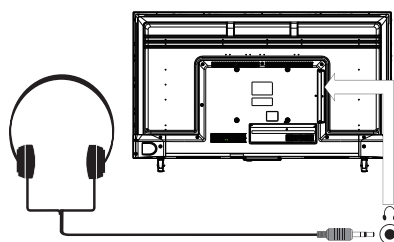
Connect the HDMI cable (not included) as shown: Make sure you connect the cable from the source equipment (HDMI OUT) to this unit (HDMI IN).

CONNECTIONS

CONNECTING HEADPHONES

- Turn down the volume before connecting headphones to the unit, then adjust the volume to your desired level.
- When headphones are connected, no sound will come from the front speakers.

NOTE
Avoiding listening to sound at high Levels for prolonged period of time. This may be harmful to you and may cause hearing loss.



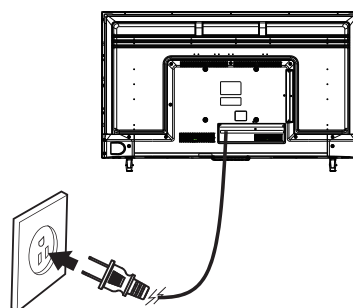
Headphones
(1/8" [3.5mm] diameter plug)
NOT INCLUDED

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.
- An apparatus with CLASS II construction shall be connected to a power socket outlet connection.
- 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
- 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

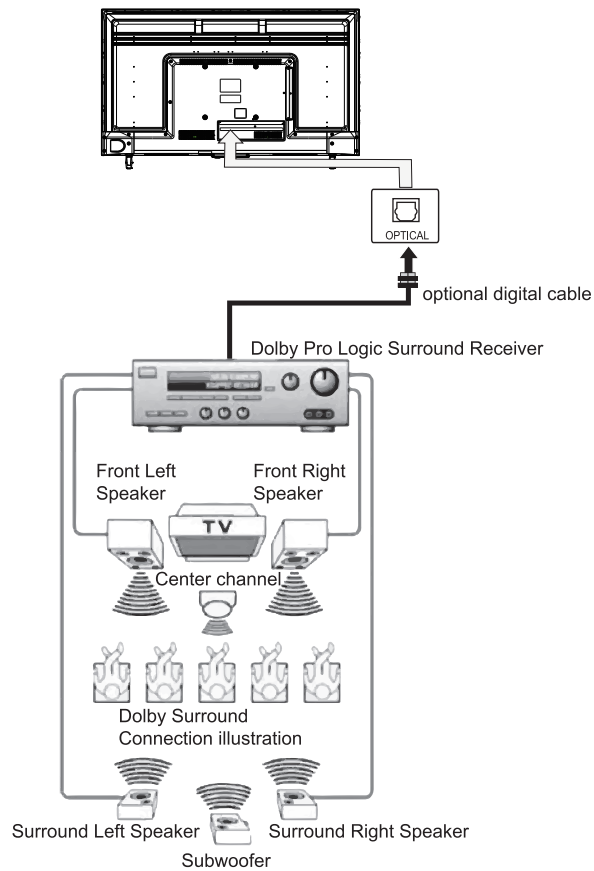
CONNECTIONS

Connection to a Home Theater Audio System

For BEST audio performance

Connecting to a Home Theater System Dolby Digital can deliver optimal 2 channel stereo or surround sound with five discrete full range channels plus a sixth channel for a subwoofer.

Enjoy optimal sound reproduction from your system with a Dolby Digital amplifier that incorporates a digital Optical input. Connect a Optical cable directly to the television's Optical audio output to listen through all input.



NOTE: Refer to the User Manual from your home theater equipment for recommended audio settings.

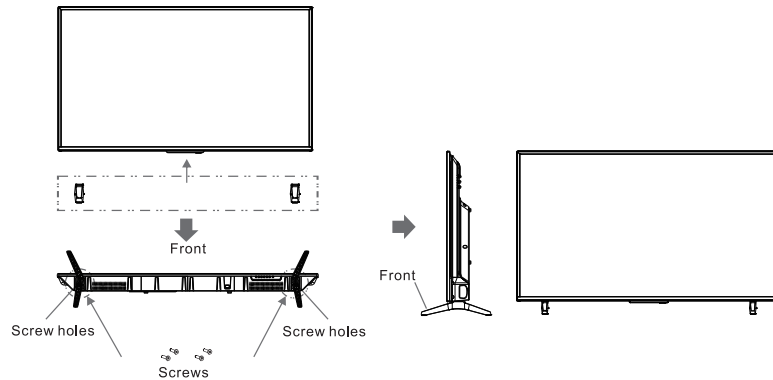
WALL MOUNT INSTALLATION

INSTALLING / REMOVING THE BASE STAND

WARNING:

The LED Display is very fragile, and must be protected at all times when removing the base stand. Be sure that no hard or sharp object or anything that could scratch or damage the LED display comes into contact with it. Do not exert pressure on the front of the unit at any time because the screen could crack.

1. Disconnect all cables or cords connected to the unit.
2. Lay the unit down on a flat surface with the back side facing up. Please make sure to place a soft cushioned material (such as a pillow or thick piece of foam) beneath the screen.
3. To remove the base stand, loosen screws off the holes then pull downwards to release the base stand.
4. To install the base stand, put the stand into the hole at the bottom of the TV then insert screws to the holes and tighten.



MOUNTING ON THE WALL

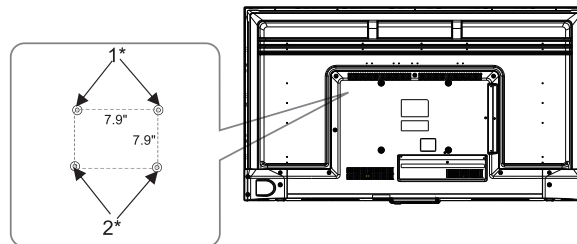
This unit is VESA-compliant, and is designed to be wall-mounted with a VESA-compliant 7.9" x 7.9" (200mm x 200mm) mounting kit designed for flat-panel TVs (not supplied). Mount this unit according to the instructions included in the mounting kit.

NOTE

Remove the base stand before mounting the unit on the wall.

1*--The length of the two screws (size M6 screw) should not exceed 15 mm.

2*--When installing a wall hanging, please remove the shell after the four ST4 x 14 self-tapping screws (see chart), put on the hanging bracket, use remove ST4 x 14 self-tapping screw assembly in the original position (not screws substitute) with it.



INITIAL SETUP

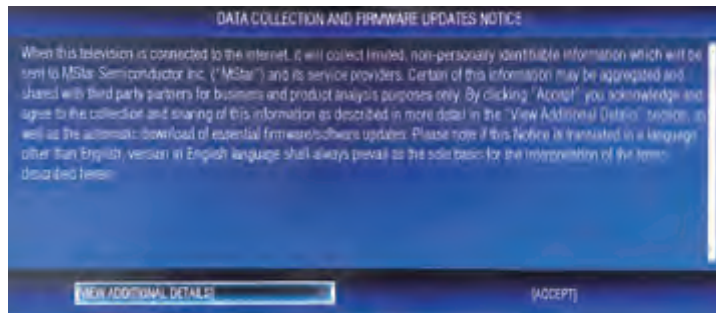
- Connect the power cord to the power socket after you have completed all the physical connections. At this stage, the TV will enter Standby Mode and the red LED indicator will illuminate.
- In Standby Mode, press the **⏻** button on the main unit or on the remote control to turn the TV on. The red LED 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.



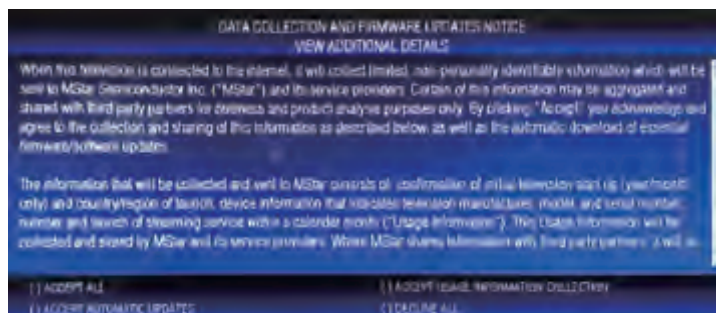
1



2

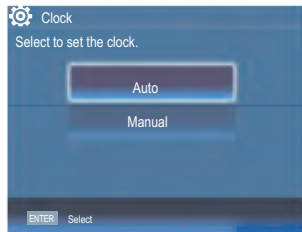


3

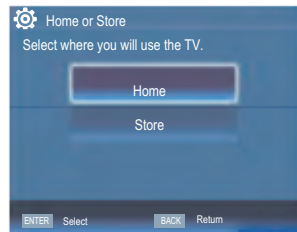


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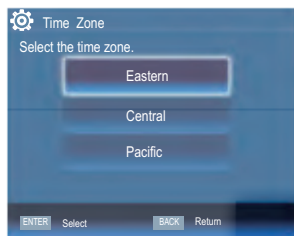
INITIAL SETUP



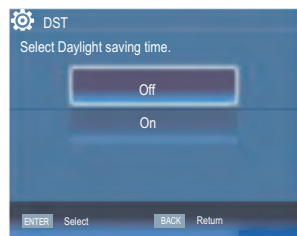
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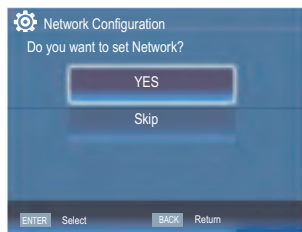
6



7



8



9



10

INITIAL SETUP

PUTTING THE UNIT ON A PROPER PLACE

When you turn on your television set for the first time, be sure to place it on a solid stable surface.

To avoid danger, do not expose the TV to water, or a heat source (e.g. lamp, candle, radiator).

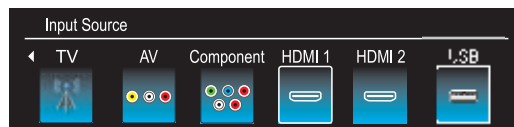
Do not obstruct the ventilation grid at the rear and be sure to leave sufficient gaps around the unit.



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", "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.

INITIAL SETUP

- 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;



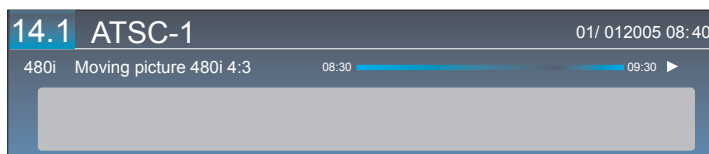
Mute

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.

TV SETUP

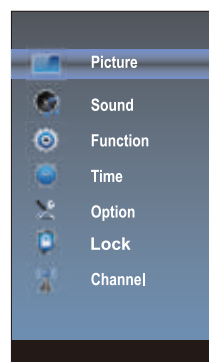
PICTURE

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 (Sports, Normal,Soft,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,Tint.

1. Press ▲/▼ key to select "Picture Mode" option.
2. Press ► or "ENTER" key to enter submenu.
3. Press ▲/▼ key to select one picture mode.



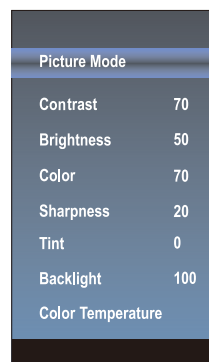
User settings for PICTURE (Contrast, Brightness, Color, Sharpness,Tint)

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.

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: The " Tint" item only works in user mode.
Adjusting Tint will affect the skin tone. -50 will increase red, +50 will increase green. Ideally, the tint scale on the TV OSD should show the red/green color for easy adjustment.



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 enter submenu.
3. Press ◀/▶ key to select one Color Temperature.

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

TV SETUP

Sound

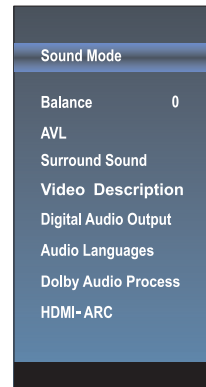
1. Press **MENU** key to display the main menu on the screen.
2. Press **▲/▼** key to select "Sound" option.
3. Press **▶** key to enter "Sound" submenu.
4. You can also press the **SOUND** key on the remote control to select one of the sound.

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 enter submenu.
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, press **ENTER/▶** key to enter submenu.
2. 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, press **ENTER/▶** key to enter submenu.
2. Press **▲/▼** key to select "Surround" or "Off".

Video Description

1. Press **▲/▼** key to select "Video Description" option, press **ENTER/▶** key to enter submenu.
2. Press **▲/▼** key to select "On" or "Off".

TV SETUP

Digital Audio Output

This is used to set digital audio output.

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

Audio Language

You can set the primary and secondary language for audio.

Dolby Audio Process

This is used to set Dolby Audio Process.

1. Press ▲/▼ key to select "Dolby Audio Process" option.
2. Press ENTER/▶ key to enter "Dolby Audio Process" submenu.

Dolby Audio Process	
Dolby Audio Process	Off
Mode	Standard
Surround Virtualizer	High
Dialog Enhancer	High
Auto Volume Control	Off

HDMI ARC

Turn on or turn off the HDMI ARC function (only works in HDMI 1 channel).

Function

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

Noise Reduction

Press ▲/▼ key to select the Noise Reduction mode.

Press ENTER/▶ key to enter submenu.

Press ▲/▼ key to select the mode: off/low/middle/high/Auto.

MPEG Noise Reduction

Press ▲/▼ key to select "MPEG Noise Reduction" option.

Press ENTER/▶ key to enter submenu.

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

Noise Reduction
MPEG Noise Reduction
Aspect Ratio
Link Setup
Netflix Deactivate
Netflix ESN
Netflix Version
Vudu Deactivate
TTS

Aspect Ratio

Press ▲/▼ key to select "Aspect Ratio" option. Press ENTER/▶ key to enter submenu.

Press ▲/▼ key to change the size of the picture on the size of the picture on the screen.

Select the aspect ratio settings:4:3/16:9/Movie/Subtitle/Native/Panorama.