LED TV
User Manual

SERIES 5

Figures and illustrations in this User Manual are provided for reference only and may differ from actual product appearance. Product design and specifications may be changed without notice.

Still image warning

Avoid displaying still images (like jpeg picture files) or still image element (like TV programme logo, panorama or 4:3 image format, stock or news bar at screen bottom etc.) on the screen. Constant displaying of still picture can cause ghosting of LED screen, which will affect image quality. To reduce risk of this effect, please follow below recommendations:

- Avoid displaying the same TV channel for long periods.
- Always try to display any image on full screen, use TV set picture format menu for best possible match.
- Reduce brightness and contrast values to minimum required to achieve desired picture quality, exceeded values may speed up the burnout process.
- Frequently use all TV features designed to reduce image retention and screen burnout, refer to proper user manual section for details.

For personal and non-commercial use only.

Usage is subject to following the guidelines in the User Manual and may not be available in all regions.

Contact SAMSUNG WORLD WIDE

If you have any questions or comments relating to Samsung products, please contact the SAMSUNG customer care centre.

Country	Customer Care Centre ☎	Web Site
SINGAPORE	1800 726 7864	www.samsung.com/sg/support
AUSTRALIA	1800-SAMSUNG	www.samsung.com/au/support
NEW ZEALAND	1300 362 603	www.samsung.com/nz/support
VIETNAM	0800 726 786	www.samsung.com/nz/support
	1800 588 889	www.samsung.com/vn/support
THAILAND	0-2689-3232	www.samsung.com/th/support
	1800-29-3232 (Toll free)	
MYANMAR	+95-1-2399-888	www.samsung.com/mm/support
CAMBODIA	+855-23-993232	www.samsung.com/th/support
	1800-20-3232 (Toll free)	
LAOS	+856-214-17333	
MALAYSIA	1800-88-9999	www.samsung.com/my/support
	+603-7713 7420 (Overseas contact)	
INDONESIA	021-5699-7777	www.samsung.com/id/support
	0800-112-8888 (All Product, Toll Free)	
PHILIPPINES	1-800-10-726-7864 (PLDT Toll Free)	www.samsung.com/ph/support
	1-800-8-726-7864 (Globe Landline and Mobile)	
	02- 422-2111 (Standard Landline)	

JAPAN	0120-363-905	www.galaxymobile.jp/jp/support
INDIA	1800 40 SAMSUNG (1800 40 7267864) (Toll-Free)	www.samsung.com/in/support
NEPAL	16600172667 (Toll Free for NTC Only) 9801572667	www.samsung.com/in/support
BANGLADESH	09612300500 08000300500 (Toll free)	www.samsung.com/in/support
SRI LANKA	+94115SAMSUNG (+94117267864)	www.samsung.com/in/support
EGYPT	08000-7267864 16580	www.samsung.com/eg/support
ALGERIA	3004	www.samsung.com/n_africa/support
IRAN	021-8255 [CE]	www.samsung.com/iran/support
ISRAEL	*6963	www.samsung.com/il/support
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PAKISTAN	0800-Samsung (72678)	www.samsung.com/pk/support
TUNISIA	80 100 012	www.samsung.com/n_africa/support
U.A.E	800-SAMSUNG (800 - 726 7864)	www.samsung.com/ae/support (English)
	800-SAM-CS (800-72627)	www.samsung.com/ae_ar/support (Arabic)
OMAN	800-SAM-CS (800-72627)	
KUWAIT	183-CALL (183-2255)	
BAHRAIN	8000-GSAM (8000-4726)	
QATAR	800-CALL (800-2255)	
TURKEY	444 7711	www.samsung.com/tr/support
JORDAN	0800-22273 06 5777444	www.samsung.com/levant/support
LEBANON	1299	
IRAQ	80010080	
MOROCCO	080 100 22 55	www.samsung.com/n_africa/support

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Important Safety Instructions

Warning! Important Safety Instructions
(Please read the Safety Instructions before using your TV.)

CAUTION
RISK OF ELECTRIC SHOCK. DO NOT OPEN.

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

This symbol indicates that high voltage is present inside. It is dangerous to make any kind of contact with any internal part of this product.

This symbol indicates that this product has included important literature concerning operation and maintenance.

Class II product: This symbol indicates that a safety connection to electrical earth (ground) is not required.

AC voltage: Rated voltage marked with this symbol is AC voltage.

DC voltage: Rated voltage marked with this symbol is DC voltage.

Caution. Consult instructions for use: This symbol instructs the user to consult the user manual for further safety related information.

The slots and openings in the cabinet and in the back or bottom are provided for necessary ventilation. To ensure reliable operation of this apparatus and to protect it from overheating, these slots and openings must never be blocked or covered.

- Do not place this apparatus in a confined space, such as a bookcase or built-in cabinet, unless proper ventilation is provided.
- Do not place this apparatus near or over a radiator or heat register, or where it is exposed to direct sunlight.
- Do not place vessels (vases etc.) containing water on this apparatus, as this can result in a fire or electric shock.

Do not expose this apparatus to rain or place it near water (near a bathtub, washbowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool, etc.). If this apparatus accidentally gets wet, unplug it and contact an authorised dealer immediately.

This apparatus uses batteries. In your community, there might be environmental regulations that require you to dispose of these batteries properly. Please contact your local authorities for disposal or recycling information.

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

Power-supply cords should be placed so that they are not likely to be walked on or pinched by items placed upon or against them. Pay particular attention to cords at the plug end, at wall outlets, and at the point where they exit from the apparatus.

To protect this apparatus from a lightning storm, or when left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the set due to lightning and power line surges.

Before connecting the AC power cord to the DC adaptor outlet, make sure that the voltage designation of the DC adaptor corresponds to the local electrical supply.

Never insert anything metallic into the open parts of this apparatus. This may cause a danger of electric shock.

To avoid electric shock, never touch the inside of this apparatus. Only a qualified technician should open this apparatus.

Be sure to plug in the power cord until it is firmly seated. When unplugging the power cord from a wall outlet, always pull on the power cord's plug. Never unplug it by pulling on the power cord. Do not touch the power cord with wet hands.

If this apparatus does not operate normally - in particular, if there are any unusual sounds or smells coming from it - unplug it immediately and contact an authorised dealer or service centre.

Be sure to pull the power plug out of the outlet if the TV is to remain unused or if you are to leave the house for an extended period of time (especially when children, elderly, or disabled people will be left alone in the house).

- Accumulated dust can cause an electric shock, an electric leakage, or a fire by causing the power cord to generate sparks and heat or by causing the insulation to deteriorate.

Be sure to contact an authorised Samsung service centre for information if you intend to install your TV in a location with heavy dust, high or low temperatures, high humidity, chemical substances, or where it will operate 24 hours a day such as in an airport, a train station, etc. Failure to do so may lead to serious damage to your TV.

Use only a properly grounded plug and wall outlet.

- An improper ground may cause electric shock or equipment damage. (Class I Equipment only.)

To turn off this apparatus completely, disconnect it from the wall outlet. To ensure you can unplug this apparatus quickly if necessary, make sure that the wall outlet and power plug are readily accessible.

Store the accessories (batteries, etc.) in a location safely out of the reach of children.

Do not drop or strike the product. If the product is damaged, disconnect the power cord and contact a Samsung service centre.

To clean this apparatus, unplug the power cord from the wall outlet and wipe the product with a soft, dry cloth. Do not use any chemicals such as wax, benzene, alcohol, thinners, insecticide, aerial fresheners, lubricants, or detergents. These chemicals can damage the appearance of the TV or erase the printing on the product.

Do not expose this apparatus to dripping or splashing.

Do not dispose of batteries in a fire.

Do not short-circuit, disassemble, or overheat the batteries.

There is danger of an explosion if you replace the batteries used in the remote with the wrong type of battery. Replace only with the same or equivalent type.

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

Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall not be placed on the apparatus.

WARNING: FOR INDOOR USE ONLY

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WARNING - TO PREVENT THE SPREAD OF FIRE, KEEP CANDLES OR OTHER ITEMS WITH OPEN FLAMES AWAY FROM THIS PRODUCT AT ALL TIMES.

Getting Started

Accessories

- Remote Control & Batteries (AAA x 2)
- User Manual
- Regulatory Guide / Warranty Card (Not available in some locations)
- Power Cord (Depending on the country and model)

Input Cables (Sold Separately)

- Composite (AV)
- Component
- Coaxial (RF)
- HDMI
- HDMI-DVI

Turning on the TV

Turn on the TV using the ⏻ button on the remote control or TV panel.

- The TV's Controller at the right bottom of the TV, lets you control the TV without the remote control.
- If you press it first, the control menu appears. You can select the function by pressing and holding the TV's controller.
- The product colour and shape may vary depending on the model.
- With the TV's Controller, you cannot perform other operations except for turning the TV on or off, changing the channel, adjusting the volume, and switching the input source.

☑ : Turns the TV on or off.

▲ / ▼ : Changes channels.

➕ / ➖ : Adjusts the volume.

☑ : Displays and selects the available video sources.

🔄 Press: Move
⏻ Press & Hold: Select

Control Menu

Remote control sensor/ TV Controller

Plug & Play (Initial Setup)

When you turn the TV on for the first time, a sequence of screens and on-screen prompts will assist you in configuring the TV's basic settings. Plug the power cord into a wall outlet, and then press the POWER button to turn on the TV. Set the initial setup following instructions that the TV guides.

🔄 If you are not using a cable box or satellite box, make you sure have connected the TV to an Aerial or cable connection before you turn on the TV.

🔄 Connecting the Power cord and antenna. (refer to 'Connections')

Changing the Input Source

Source List

Use to select TV or other external input sources such as DVD / Blu-ray players / cable box / STB satellite receiver connected to the TV.

1. Press the SOURCE button on your remote.
2. Select a desired external input source.

How to use Edit Name

In the Source, press the TOOLS button, and then you can set an external input sources name you want.

Information

You can see detailed information about the connected external device.

Remote Control

🔄 This remote control has Braille points on the Power, Channel, Volume, and Enter buttons and can be used by visually impaired persons.

🔄 Some buttons on the remote control may not be available.

Turns the TV on and off.	Displays and selects the available video sources.
Gives direct access to channels.	
Alternately selects Teletext ON, Double, Mix or OFF.	Returns to the previous channel.
	Turns the sound on and off.
Adjusts the volume.	Changes the current channel.
Launches the Channel List.	
Views the Media Play.	Opens the OSD (Menu). Not available.
Quickly selects frequently used functions.	Displays information about the current programme or content.
Moves the cursor, selects the on-screen menu items, and changes the values shown on the TV's menu.	
Returns to the previous menu.	🔘 (ENTER): Selects or runs a focused item. Exits the menu.
E-MANUAL: Not available.	Use these buttons according to the directions on the TV screen.
PIC SIZE: Changes the picture size.	
AD/SUBT.: Not available.	Use these buttons with specific features. Use these buttons according to the directions on the TV screen.

🔄 The button names above may differ from the actual names.

Installing batteries (Battery size: AAA)

🔄 Use the remote control within 7 m from TV.
🔄 Bright light may affect the performance of the remote control. Avoid using nearby special fluorescent light or neon signs.
🔄 The colour and shape may vary depending on the model.

Channel Menu

❑ Seeing Channels

Channel List

Add, delete or set favourite channels and use the programme guide for analogue broadcasts. Select a channel in the All Channels, Added Channels, Favourite Channels or Programmed screen by pressing the ▲ / ▼ buttons, and pressing the ENTER🔘 button. Then you can watch the selected channel.

- ▤ All Channels: Shows all currently available channels.
- ▤ Added Channels: Shows all added channels.
- ♥ Favourite Channels: Shows all favourite channels.
- 📺 Programmed: Shows all currently reserved programmes.

🔄 Using the remote control buttons with the Channel List.
- 🟢 Green (Zoom): Enlarges or shrinks a channel number.
- Yellow (Select): Selects multiple channel lists. Select desired channels and press the Yellow button to set all the selected channels at the same time. The ✔ mark appears to the left of the selected channels.
- 🔧 (Tools): Displays the Channel List option menu. (The Options menus may differ depending on the situation.)

Channel Status Display icons

Icons	Operations
✔	A channel selected.
♥	A channel set as a favourite.
⏱	A reserved programme.
🔒	A programme currently being broadcast.

❑ Retuning Channels

Area

You can change the desired area.

Auto Store

(Depending on the country)

Scans for a channel automatically and stores in the TV.

Manual Store

Scans for a channel manually and stores in the TV.

🔄 According to channel source, Manual Store may be supported.
🔄 Programme, Colour System, Sound System, Channel, Search, Store: If there is abnormal sound or no sound, reselect the sound standard required.

Channel List Option Menu TOOLS🔧

Set each channel using the Channel List menu options. Option menu items may differ depending on the channel status.

- **Add / Delete**: Delete or add a channel to display channels you want.
  - 🔄 All deleted channels will be shown on the All Channels menu.
  - 🔄 A grey-coloured channel indicates the channel has been deleted.
  - 🔄 The Add menu only appears for deleted channels.
  - 🔄 Delete a channel from the Added Channels or Favourite Channels menu in the same manner.
- **Add to Favourite / Delete from Favourite TOOLS🔧**: Set channels you watch frequently as Favourites.

- **Timer Viewing**: You can set a desired channel to be displayed automatically at the set time; even when you are watching another channel. Set the current time first to use this function.
  - 🔄 Only memorised channels can be reserved.
  - 🔄 Reserved programmes will be displayed in the Programmed menu.
- **Edit Channel Name**: (analogue channels only) Assign your own channel name.
- **Select All**: Select all the channels in the channel list.
- **Deselect All**: Deselect all the selected channels.
- **Auto Store**: Scans for a channel automatically and stores in the TV.

Programmed
(in Channel List)

You can view, modify or delete a show you have reserved to watch.

- **Change Info**: Change a show you have reserved to watch.
- **Cancel Schedules**: Cancel a show you have reserved to watch.
- **Information**: Display a show you have reserved to watch. (You can also change the reservation Information.)
- **Select All / Deselect All**: You can select or deselect all channels in the list.

Channel Mode

Change the channel mode directly between Added Channels and Favourite Channels.

🔄 The Favourite Channels is enabled only when you set Add to Favourite.

Fine Tune

If the reception is clear, you do not have to fine tune the channel, as this is done automatically during the search and store operation. If the signal is weak or distorted, fine tune the channel manually.

🔄 Fine tuned channels that have been saved are marked with an asterisk "*" on the right-hand side of the channel number in the channel banner.
🔄 This is available for analogue broadcasts only.

Picture Menu

Mode TOOLS🔧

Select your preferred picture type.

- **Dynamic**: Suitable for a bright room.
- **Standard**: Suitable for a normal environment.
- **Movie**: Suitable for watching movies in a dark room.

Backlight / Contrast / Brightness / Sharpness / Colour / Tint (G/R)

Your television has several setting options for picture quality control.

🔄 In analogue TV, AV modes of the PAL system, the Tint (G/R) function is not available.
🔄 When connecting a PC, you can only make changes to Backlight, Contrast, Brightness and Sharpness.
🔄 Settings can be adjusted and stored for each external device connected to the TV.
🔄 Lowering picture brightness reduces power consumption.

Picture Options

- **Colour Tone**: Select the colour temperature.
  - 🔄 Warm will be deactivated when the picture mode is Dynamic.
- **Size**: Your cable box/satellite receiver may have its own set of screen sizes as well. However, we highly recommend you use 16:9 mode most of the time.
  - **16:9**: Sets the picture to 16:9 wide mode.
  - **Wide Zoom**: Magnifies the picture size more than 4:3.
  - **Zoom**: Zoom out 16:9 wide mode vertically to fit the screen size.
    - 🔄 Do not watch in 4:3 format for a long time. Traces of borders displayed on the left, right and centre of the screen may cause image retention (screen burn) which are not covered by the warranty.
  - **4:3**: Sets the picture to basic (4:3) mode.
  - **Screen Fit**: Displays the full image without any cut-off when HDMI(720p/1080i/1080p) signals are inputted.
  - **Custom**: Magnifies or shrinks 16:9 pictures vertically and/or horizontally. A magnified or shrunk picture can be moved left, right, up, and down.
  - **Auto Wide**: Automatically adjusts the picture size to the 16:9 aspect ratio.
    - 🔄 Depending on the country and model.
- **Auto Wide**: (16:9 / Wide Zoom / Zoom / 4:3) When screen size is set by Auto Wide, screen size is changed automatically by screen size automatic setting signal with WSS, AFD, Auto Format and etc.
  - 🔄 Do not watch in 4:3 format for a long time. Traces of borders displayed on the left, right and centre of the screen may cause image retention (screen burn) which are not covered by the warranty.
  - 🔄 Depending on the country and model.
- **NOTE**
  - 🔄 Depending on the input source, the picture size options may vary.
  - 🔄 The available items may differ depending on the selected mode.
  - 🔄 Settings can be adjusted and stored for each external device connected to an input on the TV.
  - 🔄 **Digital Clean View**: (Auto / Off / Low / Medium / High) If the broadcast signal received by your TV is weak, you can activate the Digital Clean View feature to reduce any static and ghosting that may appear on the screen.
    - 🔄 When the signal is weak, try other options until the best picture is displayed.
  - 🔄 **HDMI Black Level**: Selects the black level on the screen to adjust the screen depth.
    - 🔄 Available only in HDMI mode (RGB signals).
  - 🔄 **Film Mode**: (Auto / Off) Sets the TV to automatically sense and process film signals from all sources and adjust the picture for optimum quality.
    - 🔄 Available in TV mode, AV, COMPONENT (480i / 1080i) and HDMI (480i / 1080i).

- **Motion Lighting**: Reduce power consumption by brightness control adapted motion.
- **Analogue Clean View**: Reduces diagonal noise in picture caused by the crosstalk of signals.

Picture Off

The screen is turned off but the sound remains on. Press any button except the power key or volume button to turn on the screen.

Picture Reset

Resets your current picture mode to its default settings.

- **Reset Picture Mode**: Returns all picture values in the currently.

Sound Menu

Mode TOOLS🔧

- **Standard**: Selects the normal sound mode.
- **Music**: Emphasises music over voices.
- **Movie**: Provides the best sound for movies.
- **Clear Voice**: Emphasises voices over other sounds.

Equalizer

(Standard sound mode only)

- **Balance**: Adjusts the balance between the right and left speaker.
- **100Hz / 300Hz / 1kHz / 3kHz / 10kHz** (Bandwidth Adjustment): Adjusts the level of specific bandwidth frequencies.
- **Reset**: Resets the Equalizer to its default settings.

Auto Volume

Because each broadcasting station has its own signal conditions, the volume may fluctuate each time channel is changed. This feature lets you automatically adjust 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.

Speaker Select

A sound echo may occur due to a difference in decoding speed between the main speaker and the audio receiver. In this case, set the TV to External Speaker.

🔄 When you set Speaker Select to External Speaker, the TV's speakers are turned off. You will hear sound through the external speakers only. When you set Speaker Select to TV Speaker, both the TV's speakers and the external speakers are on. You will hear sound through both.
🔄 When Speaker Select is set to External Speaker, the volume and MUTE buttons will not operate and the sound settings will be limited.
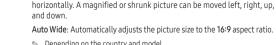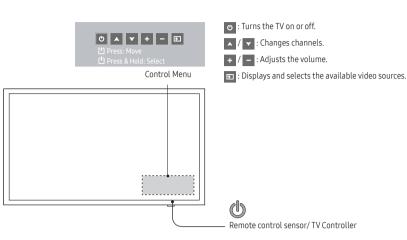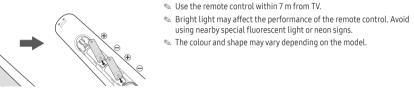🔄 If there is no video signal, both speakers will be mute.

TV Installation Type

This is the feature that set sound filter to fit into the installation condition of TV. Adjust TV Sound to suit either stand or Wall Mount Installation.

HDMI Audio Format

Sets the audio input signal format suitable for the external device connected to the TV's HDMI port.

Sound Reset

- **Reset All**: Reset all settings to the factory defaults.

Selecting the Sound Mode TOOLS🔧

When you set to Dual I-Dual II, the current sound mode is displayed on the screen.

	Audio Type	Dual I-II	Default
A2 Stereo	Mono	Mono	Automatic change
	Stereo	Stereo ↔ Mono	
	Dual	Dual I ↔ Dual II	Dual I
NICAM Stereo	Mono	Mono	Automatic change
	Stereo	Mono ↔ Stereo	
	Dual	Mono → Dual I ↳ Dual II ↲	Dual I

🔄 If the stereo signal is weak and an automatic switching, occurs, then switch to the mono.
🔄 Only activated in stereo sound signal.
🔄 This function is available for all input sources.

Setup Menu

Plug & Play

Sets the channels and the time when setting up the TV for the first time or when resetting it.

Language

Set the menu language.

🔄 Press ▲ or ▼ button to select menu language. (According to the different areas, some countries have only one language.)

Time

🔄 The current time will appear every time you press the INFO button.
- **Clock Set**: Set the Year, Month, Day, Hour, Minute.
- **Sleep Timer TOOLS🔧**
  Automatically shuts off the TV after a preset period of time. (Off, 30 min, 60 min, 90 min, 120 min, 150 min and 180 min)
  🔄 To cancel Sleep Timer, select Off.
- **Timer 1 / Timer 2 / Timer 3**
  Three different on / off timer settings can be made. You must set the clock first.
  On Timer / Off Timer: Set the hour,minute and activate/inactivate. (To activate the timer with the setting you have chosen, set to Activate.)
  Volume: Set the desired volume level.
  Contents: When the On Timer is activated, you can turn on a specific channel or play back contents such as photo or audio files.
  TV / USB: Select TV or USB. (Make sure that an USB device is connected to your TV.)
  🔄 **Aerial**: Displays the current antenna source.
  🔄 **Channel**: Select the desired channel.
  🔄 **Music / Photo**: Select the folder containing MP3/JPEG files on the USB device.
  🔄 The maximum displayed number of files, including sub folders, in one folder of USB storage device is 1000.
  🔄 The media may not be playing smoothly when using the device lower than USB 2.0.
  Repeat: Select Once, Everyday, Mon~Fri, Mon~Sat, Sat~Sun or Manual to set at your convenience. If you select Manual, you can set up the day you want to activate the timer.

Game Mode

Game Mode (Off / On):When you have connected a game console such as PlayStation™ or Xbox™ to the TV, you can enjoy a more realistic gaming experience if you set Game Mode on.

- **Precautions and limitations for Game Mode**
  🔄 Before disconnecting a game console and connecting another external device, set Game Mode to Off.
  🔄 If you display the TV menu in Game Mode, the screen shakes slightly.
  🔄 Game Mode is not available when you've set the input source to TV.
  🔄 Set Game Mode to On only after connecting a game console. If you turn Game Mode on before you have attached the game console, you may notice reduced picture quality.
  🔄 If Game Mode is On: Picture Mode is set to Game Mode and Sound Mode is set to Game Mode.

Boot Logo

Displays Samsung logo when the TV is turned on.

Eco Solution

- **Energy Saving**: This adjusts the brightness of the TV in order to reduce power consumption.
- **Eco Sensor** (Depending on the country and model): To enhance your power savings, the picture settings will automatically adapt to the light in the room.
  🔄 If you adjust the Backlight, the Eco Sensor will be set to Off.
  Min. Backlight: When Eco Sensor is On, the minimum screen brightness can be adjusted manually.
  🔄 If Eco Sensor is On, the display brightness may change (Become slightly darker or brighter) depending on the surrounding light intensity.
- **No Signal Power Off**: To avoid unnecessary energy consumption, set how long you want the TV to remain on if it's not receiving a signal.
  🔄 Disabled when the PC is in power saving mode.
- **Auto Power Off**: The TV will be automatically turned off when no user operation is received for 4 hours.
  🔄 If the Auto Power Off option is set to Off, the TV will stay on even if no operations are performed on the TV.

Auto Protection Time

If the screen remains idle with a still image for a certain period of time (Off, 2 hours, 4 hours, 8 hours, 10 hours) defined by the user, the screen saver is activated to prevent the formation of ghost images on the screen.

Application Menu

❑ Using the Media Play

Enjoy photos, music and/or movie files saved on a USB Mass Storage Class (MSC) device.

Connecting a USB Device

1. Turn on your TV.
2. Connect a USB device containing photo, music and/or movie files to the USB jack on the side of the TV.
3. When USB is connected to the TV, you can select Media Play.
   🔄 The maximum displayed number of partition is 4.

Using the Media Play Menu

1. Press the MENU button. Press the ▲ or ▼ button to select Applications, then press the ENTER🔘 button.
2. Press the ▲ or ▼ button to select Media Play (USB), then press the ENTER🔘 button.
3. Press the ◄ or ► button to select an icon (Videos, Music, Photos), then press the ENTER🔘 button.

🔄 It might not work properly with unlicenced multimedia files.
🔄 If you want to view detailed information of the file being played, press TOOLS button in the file list, and then select Information.

Need-to-Know List before using Media Play (USB)

- Supported file systems are FAT and NTFS.
- Certain types of USB Digital camera and audio devices may not be compatible with this TV.
- **Media Play** only supports USB Mass Storage Class (MSC) devices. MSC is a Mass Storage Class Bulk-Only Transport device. Examples of MSC are Thumb drives and Flash Card Readers. Devices should be connected directly to the TV's USB port. Does not support smart devices connected in MTP or PTP protocol.
- Before connecting your device to the TV, please back up your files to prevent them from damage or loss of data. SAMSUNG is not responsible for any data file damage or data loss.
- A USB device that requires high power may not be supported.
- Do not disconnect the USB device while it is loading.
- The higher the resolution of the image, the longer it takes to display on the screen.
- The maximum supported JPEG resolution is 15360 x 8640 pixels.
- If a file is corrupted or the TV does not support the file type, the "Not Supported File Format." message appears.
- If a USB extension cable is used, the USB device may not be recognised or the files on the device may not be read.
- The TV cannot play MP3 files with DRM that have been downloaded from a for-pay site. Digital Rights Management (DRM) is a technology that supports the creation, distribution, and management of digital content in an integrated and comprehensive way, including protecting the rights and interests of content providers, preventing illegal copying of contents, and managing billings and settlements.
- PTP device is not supported.
- If an over-power warning message is displayed while you are connecting or using a USB device, the device may not be recognised or may malfunction.
- The power-saving mode of some external hard disk drives may be released automatically when your connect them to the TV.

- If a USB device connected to the TV is not recognised, the list of files on the device is corrupted, or a file in the list is not played, connect the USB device to the PC, format the device and check the connection.
- If a file you deleted from the PC is still found when you run Media Play, use the "Empty the Recycle Bin" function on the PC to permanently delete the file.
- **Photos** only supports sequential jpeg format.
- The scene search and thumbnail functions are not supported in the Videos.
- If the number of files and folders saved on a USB storage device is approximately over 4000, the files and folders may not appear and some folders may not be opened.
- The maximum displayed number of files, including sub folders, in one folder of USB storage device is 1000.
- The media may not be playing smoothly when using the device higher than USB 2.0.
- The file name only works in supported menu language. The other language is not displayed properly.

Videos

1. Press the ◄ or ► button to select Videos, then press the ENTER🔘 button in the Media Play menu.
2. Press the ◄/► / ▲ / ▼ button to select the desired video in the file list.
3. Press the ENTER🔘 button or ► (Play) button.
   - The selected file is displayed on the top with its playing time.
   - If video time information is unknown, play time and progress bar are not displayed.
   - During video playback, you can search using the ◄ and ► button.
   - You can use (⏮) (REW) and (⏭) (FF) buttons during playback.
   🔄 In this mode, you can play movie clips contained in a game, but you cannot play the game itself.
   🔄 Supported Subtitle Formats
   - External

Name	File Extension
MPEG-4 Timed text	.ttxt
SAMI	.smi
SubRip	.srt
SubViewer	.sub
Micro DVD	.sub or .txt
SubStation Alpha	.ssa
Advanced SubStation Alpha	.ass

   - Internal

Name	Container	Format
Xsub	AVI	Picture Format
SubStation Alpha	MKV	Text Format
Advanced SubStation Alpha	MKV	Text Format
SubRip	MKV	Text Format
MPEG-4 Timed text	MP4	Text Format

- **Supported Video Formats**

File Extension	Container	Video Codec	Resolution	Frame Rate (fps)	Bit Rate (Mbps)	Audio Codec
*.mp4	MP4	H.264	1920 x 1080	6 ~ 30	20Mbps	MP3 / ADPCM / AAC
		VC-1	1920 x 1080	6 ~ 30	20Mbps	
		MJPEG	640 x 480	6 ~ 30	10Mbps	
*.avi	AVI	MPEG 1/2/4	1920 x 1080	6 ~ 30	20Mbps	MP3 / AC3 / LPCM / ADPCM
		H.264	1920 x 1080	6 ~ 30	20Mbps	
		MJPEG	640 x 480	6 ~ 30	10Mbps	
*.mkv	MKV	MPEG 1/2/4	1920 x 1080	6 ~ 30	20Mbps	MP3 / AC3 / LPCM / ADPCM
		H.264	1920 x 1080	6 ~ 30	20Mbps	
		MJPEG	640 x 480	6 ~ 30	10Mbps	
*.asf *.wmv	ASF	MPEG 1/2/4	1920 x 1080	6 ~ 30	20Mbps	MP3 / AC3 / LPCM / ADPCM / WMA / WMA Pro
		H.264	1920 x 1080	6 ~ 30	20Mbps	
*.ts *.trp *.tp	TS	MPEG2-TS	1920 x 1080	6 ~ 30	20Mbps	AC3 / AAC / MP3 / DD+
		H.264	1920 x 1080	6 ~ 30	20Mbps	
*.dat *.mpg *.mpeg *.vob	PS	MPEG1	1920 x 1080	6 ~ 30	20Mbps	AC3 / MPEG / LPCM / AAC
		MPEG2	1920 x 1080	6 ~ 30	20Mbps	
		H.264	1920 x 1080	6 ~ 30	20Mbps	
*.3gp	3GPP	MPEG 1/2/4	1920 x 1080	6 ~ 30	20Mbps	MP3
		H.264	1920 x 1080	6 ~ 30	20Mbps	
*.flv	flash formats	H.264	1920 x 1080	6 ~ 30	20Mbps	MP3
		Sorenson H.263	1920 x 1080	6 ~ 30	20Mbps	

❑ Display Modes (HDMI/DVI Input)

Optimal resolution for 5 series:
- 32 inches: 1366 x 768 @ 60Hz
- Other inches: 1920 x 1080 @ 60Hz

See specification page for full available resolution.

Mode	Resolution	Horizontal Frequency (KHz)	Vertical Frequency (Hz)	Pixel Clock Frequency (MHz)	Sync Polarity (H / V)	1366 x 768	1920 x 1080
IBM	720 × 400	31.469	70.087	28.322	-/+	✔	✔
MAC	640 × 480	35.000	66.667	30.240	-/-	✔	✔
	832 × 624	49.726	74.551	57.284	-/-	✔	✔
	1152 × 870	68.681	75.062	100.000	-/-	✔	✔
VESA DMT	640 × 480	31.469	59.940	25.175	-/-	✔	✔
	640 × 480	37.861	72.809	31.500	-/-	✔	✔
	640 × 480	37.500	75.000	31.500	-/-	✔	✔
	800 × 600	37.879	60.317	40.000	+/+	✔	✔
	800 × 600	48.077	72.188	50.000	+/+	✔	✔
	800 × 600	46.875	75.000	49.500	+/+	✔	✔
	1024 × 768	48.363	60.004	65.000	-/-	✔	✔
	1024 × 768	56.476	70.069	75.000	-/-	✔	✔
	1024 × 768	60.023	75.029	78.750	+/+	✔	✔
	1152 × 864	67.500	75.000	108.000	+/+	✔	✔
	1280 × 720	45.000	60.000	74.250	+/+	✔	✔
	1280 × 800	49.702	59.810	83.500	-/+		✔
	1280 × 1024	63.981	60.020	108.000	+/+		✔
	1280 × 1024	79.976	75.025	135.000	+/+		✔
	1360 × 768	47.712	60.015	85.500	+/+	✔	✔
	1366 × 768	47.712	59.790	85.500	+/+	✔	✔
	1440 × 900	55.935	59.887	106.500	-/+		✔
	1600 × 900RB	60.000	60.000	108.000	+/+		✔
	1680 × 1050	65.290	59.954	146.250	-/+		✔
	1920 × 1080	67.500	60.000	148.500	+/+		✔

Other Restrictions
- Video content will not play, or not play correctly, if there is an error in the content or the container.
- Sound or video may not work if the contents have a standard bit rate / frame rate above the compatible Frame/sec listed in the table.
- If the Index Table is in error, the Seek (Jump) function is not supported.
- The menu may take longer to appear if the video's bit rate exceeds 10Mbps.
- Video content can not be played, if there are many contents in one file.
- Optimal resolution depends on your model.

Video Decoder

Supports up to H.264, Level 4.1
H.264 FMO / ASO / RS, VC1 SP / MP / AP L4 and AVCHD are not supported.
MPEG4 SP, ASP :
- Below 1280 x 720: 60 frame max
- Above 1280 x 720: 30 frame max
H.263 is not supported.
GMC is not support.

Audio Decoder

Supports up to WMA7, 8, 9 STD, 9 PRO, 10 PRO
WMA 9 PRO and WMA 10 PRO support 5.1 channel. (LBR mode of WMA Pro is not supported)
WMA Lossless is not supported.

■ **Music**
1. Press the ◄ or ► button to select **Music**, then press the ENTER↵ button in the **Media Play** menu.
2. Press the ◄ / ► / ▲ / ▼ buttons to select the desired Music in the file list.
3. Press the ENTER↵ button or ► (Play) button.
   - During music playback, you can search using the ◄ and ► button.
   - ◄◄ (REW) and ►► (FF) buttons do not function during play.
   - Only displays the files with MP3 file extension. Other file extensions are not displayed, even if they are saved on the same USB device.
   - If the need to change **Equalizer** - when playing MP3, then exit **Media Play**, adjust the **Equalizer** in the **Sound** menu. (An over-modulated MP3 file may cause a sound problem.)

■ **Photos**
1. Press the ◄ or ► button to select **Photos**, then press the ENTER↵ button in the **Media Play** menu.
2. Press the ◄ / ► / ▲ / ▼ buttons to select the desired photo in the file list.
3. Press the ENTER↵ button or ► (Play) button.
   - While a photo list is displayed, press the ► (Play) / ENTER↵ button on the remote control to start the slide show.
   - All files in the file list section will be displayed in the slide show.
   - During the slide show, files are displayed in order.
   - During the slide show, you can adjust the slide show speed using (◄◄ (REW) or ►► (FF) button.
   - You can move to other file using ◄ or ►.
   - Press TOOLS button and select **Background Music**. Music files can be automatically played during the Slide Show if the **Background Music** is set to **On**.
   - The **Mode** in **Background Music** cannot be changed until the BGM has finished loading.
   - Supported Photo Formats

Image	Photo	Resolution
JPEG	Base-line	15360 x 8704
	Progressive	1024 x 768

- CMYK, YCCK Colour space JPEG are not supported.
■ **Playing Multiple Files**
Playing selected video/music/photo files
1. Press the Yellow button in the file list to select the desired file.
2. Repeat the above operation to select multiple files.
   - The ✔ mark appears to the left of the selected files.
   - To cancel a selection, press the Yellow button again.
   - To deselect all selected files, press the TOOLS button and select **Deselect All**.

■ **Playing the video/music/photo file group**
While a file list is displayed, move to any file in desired group.
■ **Media Play** - Additional Functions
Videos/Music/Photos Play Option menus
When playing a file, press the TOOLS button.

Category	Operations	Videos	Music	Photos
Title	You can move the other file directly.	✔		
Repeat Mode	You can play movie and music files repeatedly.	✔	✔	
Picture Size	You can adjust the picture size to your preference.	✔		
Picture Mode	You can adjust the picture setting.	✔		✔
Sound Mode	You can adjust the sound setting.	✔	✔	✔
Subtitle Settings	You can play the video with subtitles. This function only works if the subtitles are the same file name as the video.	✔		
Audio Language	You can change the audio language if the video has more than one language.	✔		
Start Slide Show / Stop Slide Show	You can start or stop a Slide Show.			✔
Slide Show Speed	You can select the slide show speed during the slide show.			✔
Background Music	You can set and select background music when watching a Slide Show.			✔
Zoom	You can zoom into images in full screen mode.			✔
Rotate	You can rotate images in full screen mode.			✔
Information	You can see detailed information about the played file.	✔	✔	✔

■ **All care protection**
1. All care protection will update Picture quality every 5,000 hours.
2. All care protection pop-up menu will show every 5,000 hours, Max 3 times. (5,000/10,000/15,000 hours)
3. The notification or pop-up menu will be closed by time out (30sec.) or selecting any key on the remote except power key.
   - When user turns the power off and then on again, pop-up menu for requesting update is provided again.
   - Pop-up menu is provided only 3 times including initial pop-up menu.
   - Pop-up menu will show only at TV on time.

❑ Using the Sports Mode

Sports Mode [TOOLS 🔧]

This mode provides optimised condition for watching sports games.
- **Zoom**: Pause playback and dived the picture into 9 parts. Select a part to zoom it in. Press this button again to resume.
- When the **Sports Mode** is **On**, the picture and sound modes are set to **Stadium** automatically.
- If you turn the TV off while watching **Sports Mode**, the **Sports Mode** will be disable.
- Mode name may vary depending on nations. **Cricket Mode**, **Soccer Mode**, **Sports Mode**.

❑ African Cinema Mode

Using the African Cinema Mode

When you set African Cinema Mode to On, the TV provides an optimal picture and sound for popular content.
- This function is only available in specific geographical areas.

❑ More TV Feature

Depending on the country and model.
(**More TV Feature** name may vary depending on nations. **Family TV Feature** or **More TV Feature**.)
This mode provides a way to capture the images and audio. Press MENU button, enter **Support** Menu select **More TV Feature**. Press again the **More TV Feature** mode will be turned off.
- Before enabling the **More TV Feature** mode, the USB device should be connected first.
- **Media Play** mode not available.
- **Sports Mode** and **Game Mode** and **African Cinema Mode** can not be operated at the same time.

Sound Recording

After turning on the **More TV Feature** mode, press ◙ to make a recording of the current sound, press ◙ again to stop the recording.
Items are stored in **Music** folder in **Media Play**.
- If you press any key, Audio Recording will be stopped.

Screen Capture

After turning on the **More TV Feature** mode, press ◙ to make a current screen capture.
Items are stored in **Photos** folder in **Media Play**.

Story Replay
1. To start Story Replay while watching TV, press ◙. This records audio in real-time, and captures the screen every 5 seconds in the meanwhile.
   - A pop-up window will appear on the screen while recording is in progress. The pop-up window displays the duration of the recording.
2. To stop Story Replay, press ◙. The recording is stored as a .plt file on the USB device connected to the TV. Thumbnails of the story recordings are then shown on the screen.
   - Select the thumbnail screen to play the saved files on Media Play.
   - You cannot change the channel or source to an external device. To change the channel or the source to an external device, first stop story recording.

Story Replay feature is just an application provided by Samsung and Samsung does not take any responsibility of its use by the user. The use/ intended use of the application is for the personal or private use of the user only. User shall be responsible for complying with all other laws of the land while using the application and shall further be liable for any damage, penalty, legal action arising out of misuse of application, including without limitation, infringement of Intellectual Property Rights.

View Content

Press ◙ to get into Media Play.
Press ◄ or ► button to select **Music** and **Story Replay** for items of recording or **Photos** for items of capturing.
- **More TV Feature** are for personal use only, not for commercial purpose

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and/or communication to the public.
- The user may not use these features for commercial purposes without prior approval from the copyright owners and/or to use it unlawfully.
- Samsung does not accept responsibility for any misuse of the service.

❑ Default Recording Device

Depending on the country and model.
You can set the default device for saving captured image files and recorded audio files.
- This function is only available when the USB device is connected the TV, and **More TV Feature** mode is on.

❑ Support Menu

❑ Self Diagnosis

Self Diagnosis might take few seconds, this is part of the normal operation of the TV.
- **Picture Test**: Use to check for picture problems.
- **Sound Test**: Use the built-in melody sound to check for sound problems.
  - If you hear no sound from the TV's speakers, before performing the sound test, make sure **Speaker Select** is set to **TV Speaker** in the **Sound** menu.
  - The melody will be heard during the test even if the sound is muted by pressing the MUTE button.
- **Reset**: Resets all settings to the factory defaults except network settings.
  - The PIN input screen appears before the setup screen.
  - Enter your 4-digit PIN. Change the PIN using the **Change PIN** option.
  - Choose to restore factory settings, TV will automatically shut down, and then restart.

❑ Software Upgrade

Software Upgrade can be performed by downloading the latest firmware from "www.samsung.com" to a USB memory device.

❑ Use Mode

Select the **Use Mode** suitable for your place. We strongly recommend you select **Home Use**.
- **Home Use**: **Home Use** is the default setting.
- **Store Demo**: **Store Demo** is for retail environments only. If you select **Store Demo**, some functions will not work, and the picture settings will be reset every 5 minutes.

❑ HD Connection Guide

You can read a guide to connect external devices for HD sources.

❑ Contact Samsung

View this information when your TV does not work properly or when you want to upgrade the software. You can find information regarding our call centres, and how to download products and software.

Other Information

Installing the Wall Mount

The wall mount kit (sold separately) allows you to mount the TV on the wall. For detailed information on installing the wall mount, see the instructions provided with the wall mount. Contact a technician for assistance when installing the wall mount bracket. We do not advice you to do it yourself.
Samsung Electronics is not responsible for any damage to the product or injury to yourself or others if you select to install the TV on your own.

Wall Mount Kit Specifications (VESA)

- The wall mount kit is not supplied, but sold separately.
- Install your wall mount on a solid wall perpendicular to the floor. When attaching to other building materials, please contact your nearest dealer. If you install the TV on a ceiling or slanted wall, it may fall and result in severe personal injury.
- Standard dimensions for wall mount kits are shown in the table below.
- When purchasing our wall mount kit, a detailed installation manual and all parts necessary for assembly are provided.
- Do not use screws that do not comply with the VESA standard screw specifications.
- Do not use screws longer than the standard dimension, as they may cause damage to the inside of the TV set.
- For wall mounts that do not comply with the VESA standard screw specifications, the length of the screws may differ depending on the wall mount specifications.
- Do not fasten the screws too firmly. This may damage the product or cause the product to fall, leading to personal injury. Samsung is not liable for these kinds of accidents.
- Samsung is not liable for product damage or personal injury when a non-VESA or non-specified wall mount is used or the consumer fails to follow the product installation instructions.
- Do not mount the TV at more than a 15 degree tilt.
- Always have two people mount the TV on a wall.
- If you are installing a third-party wall mount, note that the length of the screws you can use to attach the TV to the wall mount is shown in column C in the table below.

Product Family	Models	VESA screw hole specs (A * B) in millimeters		C (mm)	Standard Screw	Quantity
LED-TV	UA32N5000	100 x 100		26.0-28.0	M4	4
	UA40N5000	200 x 200		25.7-27.7	M8	
	UA43N5000			25.2-27.2		
	UA49N5000			25.5-27.5		

Do not install your Wall Mount Kit while your TV is turned on. It may result in personal injury due to electric shock.

Securing the TV to the Wall

⚠️ **Caution**: Pulling, pushing, or climbing onto the TV may cause the TV to fall. In particular, ensure that your children do not hang over or destabilise the TV; doing so may cause the TV to tip over, resulting in serious injuries or death. Follow all safety precautions provided on the included Safety Flyer. For added stability, install the anti-fall device for safety purposes, as follows.

When you have to relocate or lift the TV for replacement or cleaning, be sure not to pull out the stand.

To prevent the TV from falling

- Since the necessary clamps, screws, and string are not supplied, please purchase these additionally.

Installation with a stand.

Installation with a wall-mount.

1. Put the screws into the clamps and firmly fasten them onto the wall. Confirm that the screws have been firmly installed onto the wall.
   - You may need additional material such as an anchor depending on the type of wall.
   - Since the necessary clamps, screws, and string are not supplied, please purchase these additionally.
2. Remove the screws from the back Centre of the TV, put the screws into the clamps, and then fasten the screws onto the TV again.
   - Screws may not be supplied with the product. In this case, please purchase the screws of the following specifications.
3. Connect the clamps fixed onto the TV and the clamps fixed onto the wall with a strong cable and then tie the string tightly.
   - Install the TV near to the wall so that it does not fall backwards.

- It is safe to connect the string so that the clamps fixed on the wall are equal to or lower than the clamps fixed on the TV.
- Untie the string before moving the TV.
4. Verify all connections are properly secured. Periodically check connections for any sign of fatigue for failure. If you have any doubt about the security of your connections, contact a professional installer.

Kensington Lock

The Kensington Lock is not supplied by Samsung. It is a device used to physically fix the system when using it in a public place. Refer to the manual provided with the Kensington Lock for additional information on proper use.
- Please find a "🔒" icon on the rear of the TV. The Kensington slot is beside the "🔒" icon.
- The position and colour may differ depending on the model.

❑ Securing the Installation Space

Keep the required distances between the product and other objects (e.g. walls) to ensure proper ventilation.
Failing to do so may result in fire or a problem with the product due to an increase in the internal temperature of the product.
- When using a stand or wall-mount, use parts provided by Samsung Electronics only.
- If you use parts provided by another manufacturer, it may result in a problem with the product or an injury due to the product falling.
- The appearance may differ depending on the product.
- Be careful when you contact the TV because some parts can be somewhat hot.

To lock the product, follow these steps:
1. Wrap the Kensington lock cable around a large, stationary object such as desk or chair.
2. Slide the end of the cable with the lock attached through the looped end of the Kensington lock cable.
3. Insert the locking device into the Kensington slot on the product.
4. Lock the lock.
   - These are general instructions. For exact instructions, see the User manual supplied with the locking device.
   - The locking device has to be purchased separately.
   - The location of the Kensington slot may be different depending on the TV model.

Troubleshooting

If you have any questions about the TV, first refer to this list. If none of these troubleshooting tips apply, please visit "www.samsung.com," then click on Support, or contact the call centre listed on the back-cover of this manual.

Problem	Possible Solution
Picture Quality	
The TV image does not look as good as it did in the store.	• If you have an analogue cable/set top box, upgrade to a digital set top box. Use HDMI or Component cables to deliver HD (high definition) picture quality.
	• Antenna connection: Try HD stations after performing Auto tuning.
	◦ Many HD channels are up scaled from SD (Standard Definition) contents.
	• Adjust the Cable/Set top box video output resolution to 1080i or 720p.
	• Make sure you are watching the TV at the minimum recommended distance based on the size and definition of the signal.
The picture is distorted: macro block error, small block, dots, pixelisation.	• Compression of video contents may cause picture distortion especially in fast moving pictures such as sports and action movies.
	• Low signal level or bad quality can cause picture distortion. This is not a TV issue.
	• Mobile phones used close to the TV (cca up to 1m) may cause noise in picture on analogue and digital TV.
Colour is wrong or missing.	• If you're using a Component connection, make sure the component cables are connected to the correct jacks. Incorrect or loose connections may cause colour problems or a blank screen.
There is poor colour or brightness.	• Adjust the **Picture** options in the TV menu. (go to **Picture Mode** / **Colour** / **Brightness** / **Sharpness**)
	• Try resetting the picture to view the default picture settings. (go to MENU - **Picture** - **Picture Reset**)
There is a dotted line on the edge of the screen.	• If the picture size is set to **Screen Fit**, change it to **16:9**.
	• Change cable/satellite box resolution.
The picture is black and white.	• If you are using an AV composite input, connect the video cable (yellow) to the Green jack of component input 1 on the TV.
When changing channels, the picture freezes or is distorted or delayed.	• If connected with a cable box, please try to reset the cable box. Reconnect the AC cord and wait until the cable box reboots. It may take up to 20 minutes.
	• Set the output resolution of the cable box to 1080i or 720p.
Sound Quality	
There is no sound or the sound is too low at maximum volume.	• Please check the volume of external device connected to your TV.
The picture is good but there is no sound.	• Set the **Speaker Select** option to **TV Speaker** in the sound menu.
	• If you are using an external device, make sure the audio cables are connected to the correct audio input jacks on the TV.
	• If you are using an external device, check the device's audio output option (ex. you may need to change your cable box's audio option to HDMI when you have a HDMI connected to your TV).
	• If you are using a HDMI cable, a separate audio cable is required.
	• If your TV has a headphone jack, make sure there is nothing plugged into it.
The speakers are making an inappropriate noise.	• Check the cable connections. Make sure a video cable is not connected to an audio input.
	• For antenna or cable connections, check the signal strength. Low signal level may cause sound distortion.
No Picture, No Video	
The TV will not turn on.	• Make sure the AC power cord is securely plugged in to the wall outlet and the TV.
	• Make sure the wall outlet is working.
	• Try pressing the POWER button on the TV to make sure the problem is not the remote. If the TV turns on, refer to "The remote control does not work" below.
The TV turns off automatically.	• Ensure the **Sleep Timer** is set to **Off** in the **Time** menu.
	• If your PC is connected to the TV, check your PC power settings.
	• Make sure the AC power cord is plugged in securely to the wall outlet and the TV.
	• When watching TV from an aerial or cable connection, the TV will turn off after 10 ~ 15 minutes if there is no signal.
There is no picture/video.	• Check cable connections (remove and reconnect all cables connected to the TV and external devices).
	• Set your external device's (Cable/Set top Box, DVD, Blu-ray etc) video outputs to match the connections to the TV input. For example, if an external device's output is HDMI, it should be connected to an HDMI input on the TV.
	• Make sure your connected devices are powered on.
	• Be sure to select the TV's correct source by pressing the SOURCE button on the TV remote.

Problem	Possible Solution
RF (Cable / Aerial) Connection	
The TV is not receiving all channels.	• Make sure the Antenna cable is connected securely.
	• Please try **Setup** (**Plug & Play**) to add available channels to the channel list. Go to MENU - **System** - **Setup** (**Plug & Play**) and wait for all available channels to be stored.
	• Verify the Antenna is positioned correctly.
The picture is distorted: macro block error, small block, dots, pixelisation.	• Compression of video contents may cause picture distortion, especially on fast moving pictures such as sports and action movies.
	• A low signal can cause picture distortion. This is not a TV issue.
PC Connection	
A "**Mode Not Supported**" message appears.	• Set your PC's output resolution so it matches a resolution supported by the TV.
The video is OK but there is no audio.	• If you are using a HDMI connection, check the audio output setting on your PC.
Others	
The picture will not display in full screen.	• HD channels will have black bars on either side of the screen when displaying upscaled SD (4:3) content.
	• Black bars on the top and bottom will appear during movies that have aspect ratios different from your TV.
	• Adjust the picture size options on your external device or TV to full screen.
The remote control does not work.	• Replace the remote control batteries with the poles (+/–) in the right direction.
	• Clean the transmission window located on the top of the remote control.
	• Try pointing the remote directly at the TV from 1.5 ~ 1.8 m away.
The cable/set top box remote control doesn't turn the TV on or off, or adjust the volume.	• Programme the Cable/Set top box remote control to operate the TV. Refer to the Cable/Set top box user manual for the SAMSUNG TV code.
A "**Mode Not Supported**" message appears.	• Check the supported resolution of the TV, and adjust the external device's output resolution accordingly. Refer to resolution settings in this manual.
There is a plastic smell from the TV.	• This smell is normal and will dissipate over time.
TV is tilted to the right or left side.	• Remove the stand base from the TV and reassemble it.
There are difficulties assembling the stand base.	• Make sure the TV is placed on a flat surface. It is necessary to use magnetized screw driver if you cannot remove the screws from the TV.
The **Channel** menu is grey out (unavailable).	• The **Channel** menu is only available when the TV source is selected.
You have intermittent loss of audio or video.	• Check the cable connections and reconnect them.
	• Loss of audio or video can be caused by using overly rigid or thick cables. Make sure the cables are flexible enough for long term use. If mounting the product to a wall, we recommend using cables with 90 degree connectors.
You see small particles when you look closely at the edge of the frame of the TV.	• This is part of the product's design and is not a defect.
There are recurrent picture/sound issues.	• Check and change the signal/source.
A reaction may occur between the rubber cushion pads on the base stand and the top finish of some furniture.	• To prevent this, use felt pads on any surface of the TV that comes in direct contact with furniture.

- This FTFT LED panel uses a panel consisting of sub pixels which require sophisticated technology to produce. However, there may be a few bright or dark pixels on the screen. These pixels will have no impact on the performance of the product.
- You can keep your TV as optimum condition upgrading the latest firmware on web site (www.samsung.com → Support) by USB.

Storage and Maintenance

- If you remove the attached sticker on the TV screen, clean the residues and then watch TV.

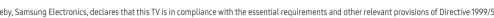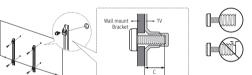| Do not spray water directly onto the product. Any liquid that goes into the product may cause a failure, fire, or electric shock.	Clean the product with a soft cloth dampened with in a small amount of water. Do not use a flammable liquid (e.g. benzene, thinners) or a cleaning agent.

Licence

Manufactured under license from Dolby Laboratories. Dolby, Dolby Audio, Pro Logic, and the double-D symbol are trademarks of Dolby Laboratories.

The terms HDMI and HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries.

Open Source License Notice
Open Source used in this product can be found on the following webpage. (http://opensource.samsung.com)
Open Source License Notice is written only English.

Recommendation - Jordan Only

Hereby, Samsung Electronics, declares that this TV is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.
The official Declaration of Conformity may be found at http://www.samsung.com, go to Support > Search Product Support and enter the model name.
This equipment may only be used indoors.
This equipment may be operated in Jordan.

Specifications

Environmental considerations	
Operating Temperature	50°F to 104°F (10°C to 40°C)
Operating Humidity	10% to 80%, non-condensing
Storage Temperature	-4°F to 113°F (-20°C to 45°C)
Storage Humidity	5% to 95%, non-condensing

Sound (Output)	10W	20W
Model Name	UA32N5000	UA40N5000
Screen Size	80 cm	100 cm
Display Resolution	1366 x 768	1920 x 1080
Dimensions (W x H x D)		
Body	73.74 x 43.80 x 7.41 cm	91.71 x 52.77 x 7.70 cm
With Stand	73.74 x 46.54 x 15.05 cm	91.71 x 55.24 x 17.03 cm
Weight		
Without Stand	3.8 kg	7.0 kg
With Stand	3.9 kg	7.2 kg
Sound (Output)	20W	20W
Model Name	UA43N5000	UA49N5000
Screen Size	108 cm	123 cm
Display Resolution	1920 x 1080	1920 x 1080
Dimensions (W x H x D)		
Body	97.99 x 57.19 x 7.73 cm	111.28 x 64.65 x 7.87 cm
With Stand	97.99 x 59.66 x 17.03 cm	111.28 x 67.36 x 18.75 cm
Weight		
Without Stand	8.0 kg	10.3 kg
With Stand	8.2 kg	10.6 kg

- Design and specifications are subject to change without prior notice.
- For information about the power required and more about power consumption, refer to the label attached to the product.