

SAMSUNG

LED TV

user manual

SERIES4

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 India Only

This product is RoHS compliant.

Correct Disposal of This Product  
(Waste Electrical & Electronic Equipment)

This marking on the product & accessories literature indicates that the product and its electronic accessories (e.g. charger, headset, USB cable) should not be disposed of with other household waste at the end of their working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate these items from other types of waste and recycle them responsibly to promote the sustainable reuse of material resources. House hold users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take these items for environmentally safe recycling. Business user should contact their supplier and check the terms and conditions of the purchase contract. This product and its electronic accessories should not be mixed other commercial wastes for disposal.

For more information on safe disposal and recycling visit our website [www.samsung.com/in](http://www.samsung.com/in) or contact our helpline number - 18002696826, 180030008262

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.



BN68-0636E-01

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.

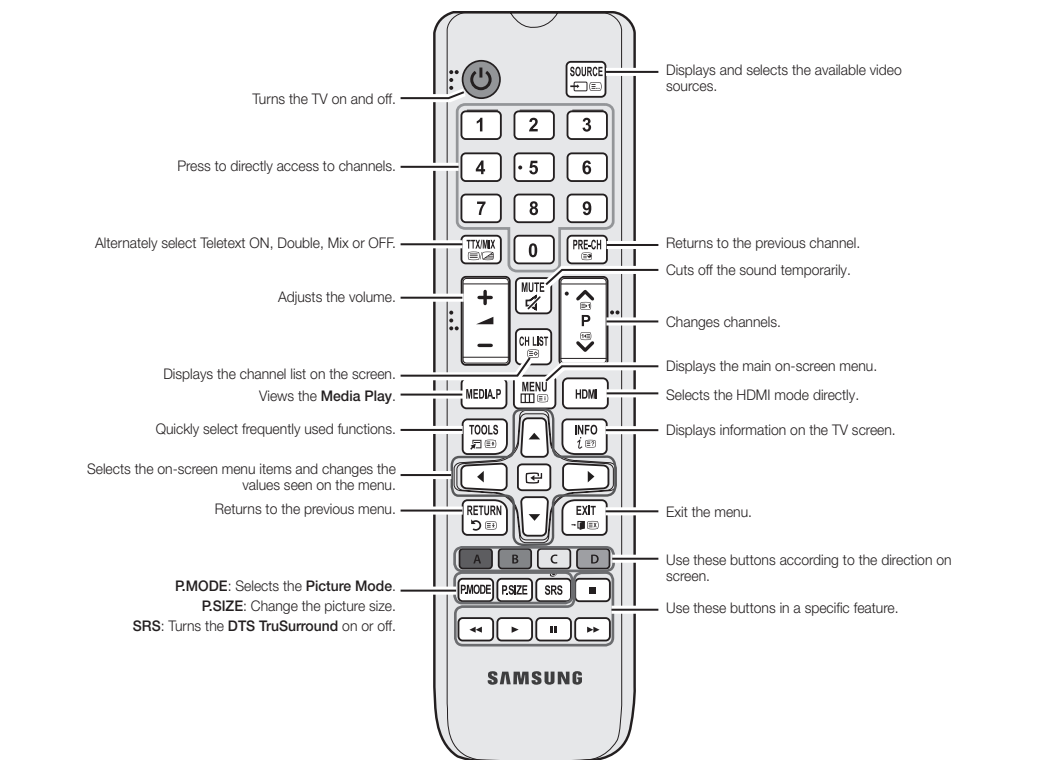
1. Press the SOURCE button.
2. Select a desired external input source.

■ TV / AV / Component / HDMI1

You can only choose external devices that are connected to the TV. In the Source List, connected inputs will be highlighted.

Remote Control

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



Important Safety Instructions

SAMSUNG

Warning! Important Safety Instructions

(Please read the safety instructions below before installing and using the product.)

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.

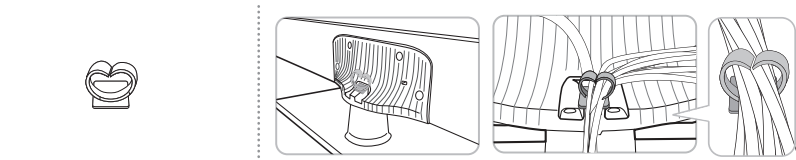
This symbol indicates that important literature concerning operation and maintenance has been included with this product.

- 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 cover the slots and openings with a cloth or other materials.
  - Do not block the slots and openings by placing this apparatus on a bed, sofa, rug or other similar surface.
  - 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 a vessel containing water (vase etc.) on this apparatus, as this can result in a risk of 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 authorized dealer immediately.
- Make sure to pull out the power cord from the outlet before cleaning.
- This apparatus use batteries. In your community, there might be regulations that require you to dispose of these batteries properly to protect the environment. Please contact your local authorities for disposal or recycling information.
- Do not overload wall outlets, extension cords, or adapters beyond their capacity, since this can result in fire or electric shock.
- Power-supply cords should be routed 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, where connected to adapters, and at the point where they exit from the apparatus.
- To protect this apparatus from a lightning storm, or when it is 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 the voltage designation of the DC adaptor corresponds to the local electrical supply. (depending on the model)
- Never insert anything metallic into the open parts of this apparatus. Doing so may create a danger of electric shock.
- To avoid electric shock, never touch the inside of this apparatus. Only a qualified technician should open this apparatus.
- Make sure to plug the power cord in until it is firmly inserted. Pull on the plug, not the cord, when removing the power cord from the outlet. 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 authorized dealer or service center.
- 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 cause the insulation to deteriorate.
- Be sure to contact an authorized service center, when installing your set in a location with heavy dust, high or low temperatures, high humidity, chemical substances or where it will operate for 24 hours a day such as in an airport, a train station, etc. Failure to do so may cause serious damage to your set.
- Use only a properly grounded plug and receptacle.
  - An improper ground may cause electric shock or equipment damage. (Class I Equipment only.)
- To turn off the apparatus completely, you must pull the power plug out of the wall socket. Consequently, the power plug should be readily accessible at all times.
- Do not allow children to hang onto the product.
- Store the accessories (batteries, etc.) in a location safely out of the reach of children.
- Do not install the product in an unstable location such as a shaky wall, a slanted floor, or a location exposed to vibration.
- Do not drop or impart a shock to the product. If the product is damaged, disconnect the power cord and contact a service center.
- To clean the product, unplug the power cord from the power outlet and wipe the product using a soft, dry cloth. Do not use any chemicals such as wax, benzene, alcohol, thinners, insecticides, air freshener, lubricant or detergent. This may damage the appearance or erase the printing on the product.
- Do not expose the apparatus to dripping or splashing.
- Do not dispose of batteries in a fire.
- Do not short circuit, disassemble, or overheat the batteries.
- Do not short circuit, disassemble, or overheat the batteries.
- There is a danger of explosion if you replace the batteries with the wrong type of battery. Replace only with the same or equivalent type.
- WARNING - TO PREVENT THE SPREAD OF FIRE, KEEP CANDLES OR OTHER OPEN FLAMES AWAY FROM THIS PRODUCT AT ALL TIMES.

Getting Started

Accessories

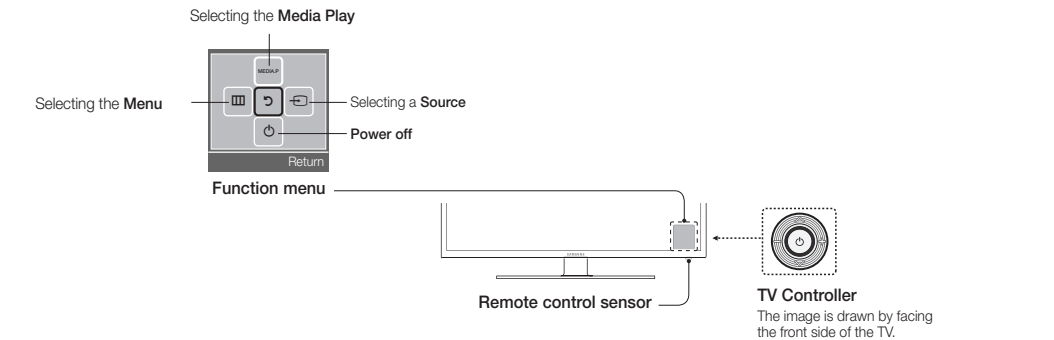
- Remote Control & Batteries (AAA x 2)
- Owner's Instructions
- Warranty Card / Safety Guide (Not available in some locations)
- Power Cord



Input Cables (Sold Separately)

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

TV Controller (Panel Key)



- To close the Menu, Media Play List, or Source List, press the Controller for more than 1 second.
- When selecting the function by moving the controller to the up/down/left/right directions, be sure not to press the controller. If you press it first, you cannot operate it to move the up/down/left/right directions.

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')

Channel Menu

Seeing Channels

Channel List

- Select a channel in the All Channels, Added Channels screen by pressing the ▲/▼ buttons, and pressing the ENTER button. Then you can watch the selected channel.
- Using the remote control buttons with the Channel List.

Channel Status Display icons

Icons	Operations
	A channel deleted.

Returning 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, reset the sound standard required.

Channel List Option Menu

Set each channel using the Channel List menu options (Add / Delete). Option menu items may differ depending on the channel status. 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 the channels you want.
- Option menu items may differ depending on the channel status.
- All deleted channels will be shown on the All Channels menu.
- A "X" beside the channel indicates the channel has been deleted.
- The Add menu only appears for deleted channels.

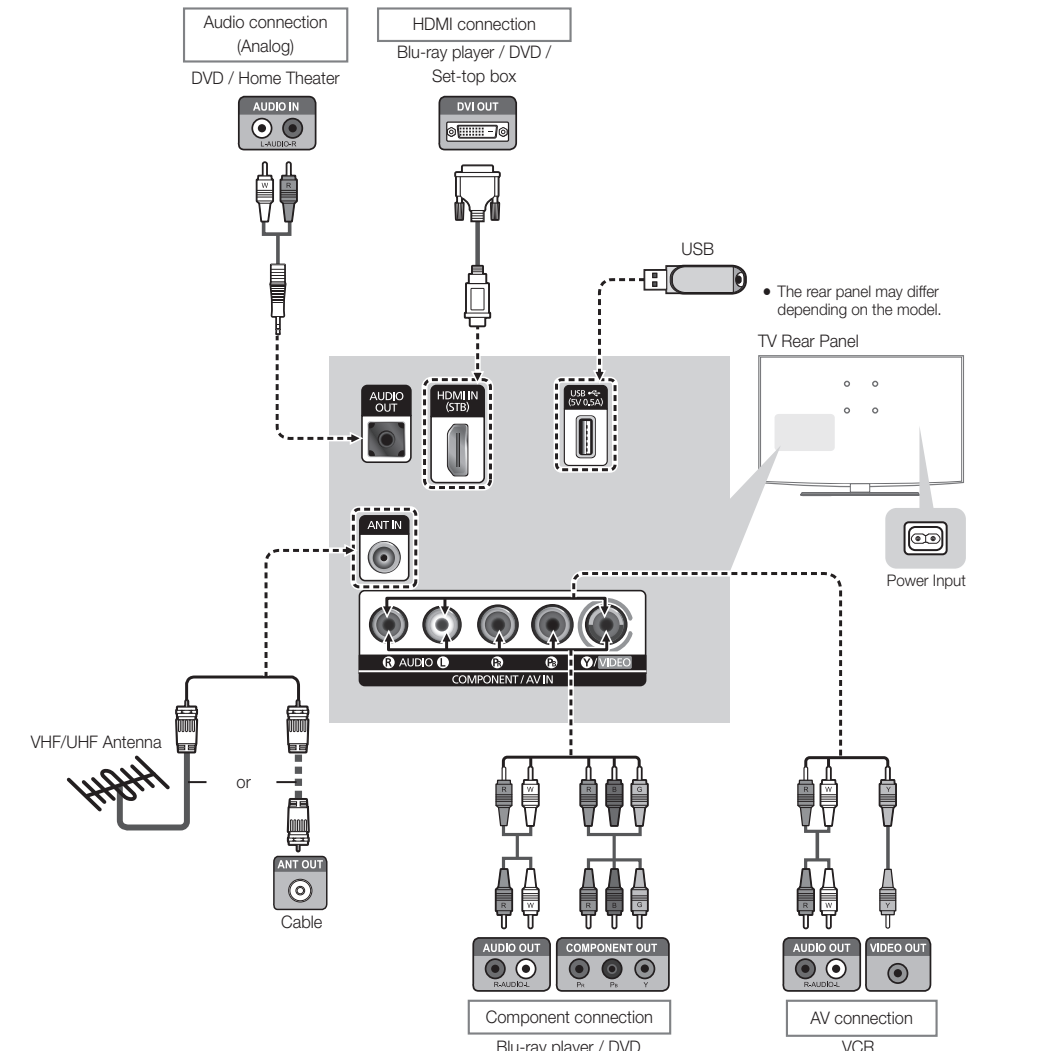
Fine Tune

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.

Connections

- For better picture and audio quality, connect to a digital device using an HDMI cable.
- The picture may not display normally (if at all) or the audio may not work if an external device that uses an older version of HDMI mode is connected to the TV. If such a problem occurs, ask the manufacturer of the external device about the HDMI version and, if out of date, request an upgrade.
- Be sure to purchase a certified HDMI cable. Otherwise, the picture may not display or a connection error may occur.
- PC/DVI AUDIO IN input is not supported.
- For HDMI/DVI cable connection, you must use the HDMI IN 2 (DVI) port.
- Connecting through the HDMI cable may not be supported depending on the PC.
- If an HDMI to DVI cable is connected to the HDMI IN 2 (DVI) port, the audio does not work.
- For Set-top box connection using HDMI cable, we highly recommend you to connect the HDMI IN 1 (STB) port.





Setup Menu

Support Menu

### 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.

- Click **Set**: Set the **Year, Month, Day, Hour, Minute**.

- On **Timer/Off Timer**

- Current time should be set first by **Clock Set**.

Repeat: Set the time to repeat by **Once, Everyday, Mon-Fri, Mon-Sat, Sat-Sun, Sun**.

Set **Off** to turn or **Repeat**.

**Hour/Minute**: Enter the hour and minute for the TV to turn on or off.

**Contents**: Select TV.

**Channel**: Select the channel to be played when the TV turns on automatically.

**Volume**: Select the volume level when TV turns on automatically.

- Sleep Timer** **00:05:30**

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**.

### Melody

Set so that a melody plays when the TV is turned **Off, Low, Medium and High**.

- The **Melody** does not play.

- When no sound is output from the TV because the volume has been reduced to minimum with the VOL – button.
- When the TV is turned off by **Sleep Timer** function.

### 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.

Support 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

- Turn on your TV.
- Connect a USB device containing photo, music and/or movie files to the USB jack on the side of the TV.
- 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

- Press the MENU button. Press the ▲ or ▼ button to select **Support**, then press the ENTER button.
- Press the ▲ or ▼ button to select **Media Play (USB)**, then press the ENTER button.
- Press the ◀ or ▶ button to select an icon (**Videos, Music, Photos**), then press the ENTER button.
  - It might not work properly with unlicensed 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. (LED 4000, 4003, 5000 series : USB HDD is not supported.) 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. (LED 4000, 4003, 5000 series : 0.5A) (LED 4100, 5100 series and above: 1A)
  - 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 recognized 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 recognized or may malfunction.
- The power-saving mode of some external hard disk drives may be released automatically when you connect them to the TV.
- If a USB device connected to the TV is not recognized, the list of files on the device is corrupted, or a file in the list is not played, connect the USB device to a PC, format the device, and check the connection.
- If a file 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 2000.
- 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

- Press the ◀ or ▶ button to select **Videos**, then press the ENTER button in the **Media Play** menu.
- Press the ◀/▶/▲/▼ buttons to select the desired video in the file list.
- 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, playing time and the 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	.tbt
SAM	.amr
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/Sec	Bit rate/Mbps	Audio Codec
*.mp4	MP4	DWV 3.11A,12.5,4xH.264	1920x1080	6-30	20Mbps	MP3 / AAC / AAC
		H.264	1920x1080	6-30	20Mbps	MP3 / AAC / AAC
		VC1	1920x1080	6-30	20Mbps	
		MPEG2	640x480	6-30	10Mbps	
*.avi *.mkv	AVI/MKV	DWV 3.11A,12.5,4xH.264	1920x1080	6-30	20Mbps	MP3 / AC3 / LPCM / AAC / DTS
		H.264	1920x1080	6-30	20Mbps	
		MPEG2	640x480	6-30	10Mbps	
*.asf *.wmv	ASF	DWV 3.11A,12.5,4xH.264	1920x1080	6-30	20Mbps	MP3 / AC3 / LPCM / AAC / DTS
		H.264	1920x1080	6-30	20Mbps	WMA / WMA Pro
*.1st *.mp3 *.tp	TS	MPEG2-TS	1920x1080	6-30	20Mbps	AC3 / MP3 / AAC
		H.264	1920x1080	6-30	20Mbps	MP3 / MPEG / AAC
*.dat *.mpg *.mpeg *.vob	PS	MPEG1	1920x1080	6-30	20Mbps	AC3 / MPEG / AAC
		MPEG2	1920x1080	6-30	20Mbps	
*.3gp	3GPP	MPEG1/2/4	1920x1080	6-30	20Mbps	MP3
		H.264	1920x1080	6-30	20Mbps	
*.1v	Real Comets	H.264	1920x1080	6-30	20Mbps	MP3

### 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 above.
  - 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.
- | 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 : <ul style="list-style-type: none"><li>- Below 1280 x 720: 60 frame max</li><li>- Above 1280 x 720: 30 frame max</li></ul> |
| H.263 is not supported.   |
| WMA Lossless is not supported.  |

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

- Press the ◀ or ▶ button to select **Music**, then press the ENTER button in the **Media Play** menu.
- Press the ◀/▶/▲/▼ buttons to select the desired Music in the file list.
  - 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

- Press the ◀ or ▶ button to select **Photos**, then press the ENTER button in the **Media Play** menu.
- Press the ◀/▶/▲/▼ buttons to select the desired photo in the file list.
- Press the ENTER button or [▶] (Play) button.

### NOTE

- 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 ▶ button.

- Press **TOOLS** button and select **Background Music**. Music files can be automatically played during the Slide Show if an increase in 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

### Other Restrictions

CMYK, YCCCK Colour space JPEG are not supported.

### Playing Multiple Files

#### Playing selected video/music/photo files

- Press the Yellow button in the file list to select the desired file.
- Repeat the above operation to select multiple files.

### NOTE

- The V 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	Operation	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 Setting	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.	✓		
Stop Slide Show / Start 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.	✓	✓	✓

### DivX® Video On Demand

Shows the registration code authorized for the TV. If you connect to the DivX web site and register with 10-digit registration code, you can download the VOD activation file. Once you play it using **Media Play**, the registration is completed.

- For more information on DivX® VOD, visit <http://vod.divx.com>.

### Software Upgrade

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

### 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.

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.

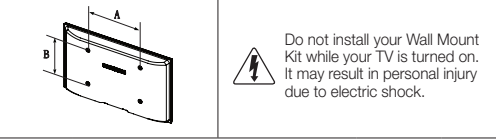
### Wall Mount Kit Specifications (VESA)

- 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.

### NOTE

- 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.

Product Family	Models	VESA screw hole specs (A" B) in millimeters	Standard Screw	Quantity
LED-TV	UA32FH4003	200 X 200	M6	4



### 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 destabilize 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.

### 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
<b>Picture Quality</b>	
The TV image does not look as good as it did in the store.	<ul style="list-style-type: none"><li>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.</li><li>Antenna connection: Try HD stations after performing Auto tuning.</li><li>Many HD channels are up scaled from SD(Standard Definition) contents.</li><li>Adjust the Cable/Set top box video output resolution to 1080i or 720p.</li><li>Make sure you are watching the TV at the minimum recommended distance based on the size and definition of the signal.</li></ul>
The picture is distorted: macroblock error, small block, dots, pixelization	<ul style="list-style-type: none"><li>Compression of video contents may cause picture distortion especially in fast moving pictures such as sports and action movies.</li><li>Low signal level or bad quality can cause picture distortion. This is not a TV issue.</li><li>Mobile phones used close to the TV (cca up to 1m) may cause noise in picture on analogue and digital TV.</li></ul>
Colour is wrong or missing.	<ul style="list-style-type: none"><li>If you're using a component connector, make sure the component cables are connected to the correct jacks. Incorrect or loose connections may cause colour problems or a blank screen.</li></ul>
There is poor colour or brightness.	<ul style="list-style-type: none"><li>Adjust the <b>Picture</b> options in the TV menu. (go to <b>Picture</b> mode / <b>Colour / Brightness / Sharpness</b>)</li><li>Try resetting the picture to view the default picture settings. (go to MENU - <b>Picture - Picture Reset</b>)</li></ul>
There is a dotted line on the edge of the screen.	<ul style="list-style-type: none"><li>If the picture size is set to <b>Screen Fit</b>, change it to <b>16:9</b>.</li><li>Change cable/satellite box resolution.</li></ul>
The picture is black and white.	<ul style="list-style-type: none"><li>If you are using an AV composite input, connect the video cable (yellow) to the Green jack of component input 1 on the TV.</li></ul>
When changing channels, the picture freezes or is distorted or delayed.	<ul style="list-style-type: none"><li>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.</li><li>Set the output resolution of the cable box to 1080i or 720p.</li></ul>
<b>Sound Quality</b>	
There is no sound or the sound is too low at maximum volume.	<ul style="list-style-type: none"><li>Please check the volume of external device connected to your TV.</li></ul>
The picture is good but there is no sound.	<ul style="list-style-type: none"><li>Set the <b>Speaker Select</b> option to <b>TV Speaker</b> in the sound menu.</li><li>If you are using an external device, make sure the audio cables are connected to the correct audio input jacks on the TV.</li><li>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).</li><li>If you are using a HDMI cable, a separate audio cable is required.</li><li>If your TV has a headphone jack, make sure there is nothing plugged into it.</li></ul>
The speakers are making an inappropriate noise.	<ul style="list-style-type: none"><li>Check the cable connections. Make sure a video cable is not connected to an audio input.</li><li>For antenna or cable connections, check the signal strength. Low signal level may cause sound distortion.</li></ul>
<b>No Picture, No Video</b>	
The TV will not turn on.	<ul style="list-style-type: none"><li>Make sure the AC power cord is securely plugged in to the wall outlet and the TV.</li><li>Make sure the wall outlet is working.</li><li>Try pressing the <b>POWER</b> 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.</li></ul>
The TV turns off automatically.	<ul style="list-style-type: none"><li>Ensure the <b>Sleep Timer</b> is set to <b>Off</b> in the <b>Time</b> menu.</li><li>If your PC is connected to the TV, check your PC power settings.</li><li>Make sure the AC power cord is plugged in securely to the wall outlet and the TV.</li><li>When watching TV from an antenna or cable connection, the TV will turn off after 10 ~ 15 minutes if there is no signal.</li></ul>
There is no picture/video.	<ul style="list-style-type: none"><li>Check cable connections (remove and reconnect all cables connected to the TV and external devices).</li><li>Set your external devices' (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.</li><li>Make sure your connected devices are powered on.</li><li>Be sure to select the TV's correct source by pressing the <b>SOURCE</b> button on the TV remote.</li></ul>

Problem	Possible Solution
<b>HFCable/Antenna) Connection</b>	
The TV is not receiving all channels.	<ul style="list-style-type: none"><li>Make sure the Antenna cable is connected securely.</li><li>Please try <b>Setup</b> (Plug &amp; Play) to add available channels to the channel list. Go to MENU - <b>System - Setup</b> (Plug &amp; Play) and wait for all available channels to be stored.</li><li>Verify the Antenna is positioned correctly.</li></ul>
The picture is distorted: macroblock error, small block, dots, pixelization	<ul style="list-style-type: none"><li>Compression of video contents may cause picture distortion, especially on fast moving pictures such as sports and action movies.</li><li>A low signal can cause picture distortion. This is not a TV issue.</li></ul>
<b>PC Connection</b>	
A "Mode Not Supported" message appears.	<ul style="list-style-type: none"><li>Set your PC's output resolution so it matches the resolutions supported by the TV.</li></ul>
The video is OK but there is no audio.	<ul style="list-style-type: none"><li>If you are using a HDMI connection, check the audio output setting on your PC.</li></ul>
<b>Others</b>	
The picture will not display in full screen.	<ul style="list-style-type: none"><li>HD channels will have black bars on either side of the screen when displaying up scaled SD (4:3) contents.</li><li>Black bars on the top and bottom will appear during movies that have aspect ratios different from your TV.</li><li>Adjust the picture size options on your external device or TV to full screen.</li></ul>
The remote control does not work.	<ul style="list-style-type: none"><li>Replace the remote control batteries with the poles (+/-) in the right direction.</li><li>Clean the transmission window located on the top of the remote control.</li><li>Try pointing the remote directly at the TV from 5-6 feet away.</li></ul>
The cable/set top box remote control does not turn the TV on or off, or adjust the volume.	<ul style="list-style-type: none"><li>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.</li></ul>
A "Mode Not Supported" message appears.	<ul style="list-style-type: none"><li>Check the supported resolution of the TV, and adjust the external device's output resolution accordingly. Refer to resolution settings in this manual.</li></ul>
There is a plastic smell from the TV.	<ul style="list-style-type: none"><li>This smell is normal and will dissipate over time.</li></ul>
TV is tilted to the right or left side.	<ul style="list-style-type: none"><li>Remove the stand base from the TV and reassemble it.</li></ul>
There are difficulties assembling the stand base.	<ul style="list-style-type: none"><li>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.</li></ul>
The <b>Broadcasting</b> menu is grey out (unavailable).	<ul style="list-style-type: none"><li>The <b>Broadcasting</b> menu is only available when the TV source is selected.</li></ul>
Your settings are lost after 5 minutes or every time the TV is turned off.	<ul style="list-style-type: none"><li>If the TV is in the <b>Store Demo</b> mode, it will reset audio and picture settings every 5 minutes. If you want to change the settings from <b>Store Demo</b> mode to <b>Home Use</b>.</li></ul>
You have intermittent loss of audio or video.	<ul style="list-style-type: none"><li>Check the cable connections and reconnect them.</li><li>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 TV to the wall, we recommend using cables with 90 degree connectors.</li></ul>
You see small particles when you look closely at the edge of the frame of the TV.	<ul style="list-style-type: none"><li>This is part of the product's design and is not a defect.</li></ul>
There are recurrent picture/sound issues.	<ul style="list-style-type: none"><li>Check and change the signal/source.</li></ul>
A reaction may occur between the rubber cushion pads on the base stand and the top finish of some furniture.	<ul style="list-style-type: none"><li>To prevent this, use felt pads on any surface of the TV that comes in direct contact with furniture.</li></ul>

- This TFT 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](http://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.

<p>Do not spray water directly onto the product. Any liquid that goes into the product may cause a failure, fire, or electric shock.</p>	<p>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.</p>
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### 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.

Installation with a stand.	Installation with a wall-mount.

### Licences

**DIVX<sup>®</sup> HD** DivX Certified<sup>®</sup> to play DivX<sup>®</sup> video up to HD 1080p, including premium content.

ABOUT DIVX VIDEO: DivX<sup>®</sup> is a digital video format created by DivX, LLC, a subsidiary of Rovi Corporation. This is an official DivX Certified<sup>®</sup> device that has passed rigorous testing to verify that it plays DivX video. Visit [divx.com](http://divx.com) for more information and software tools to convert your files into DivX videos.

ABOUT DIVX VIDEO-ON-DEMAND: This DivX Certified<sup>®</sup> device must be registered in order to play purchased DivX Video-on-Demand (VOD) movies. To obtain your registration, please visit the DivX VOD section in your device's setup menu. Go to [divx.com](http://divx.com) for more information on how to complete your registration.

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