



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:

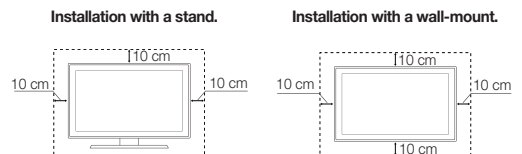
- Avoid displaying the same TV channel for long periods.
- Always try to display any image on full screen, use TV set picture format menu for best possible match.
- Reduce brightness and contrast values to minimum required to achieve desired picture quality, exceeded values may speed up the burnout process.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

Securing the Installation Space

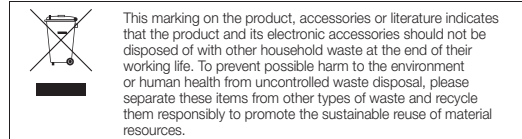
Keep the required distances between the product and other objects (e.g. walls) to ensure proper ventilation.

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.



For India Only



For more information on safe disposal and recycling visit our website www.samsung.com/in or contact our Helpline numbers - 18002668282, 180030008282.



BN68-05829A-00

| Contact SAMSUNG WORLDWIDE | | |
|--|--|---|
| If you have any questions or comments relating to Samsung products, please contact the SAMSUNG customer care Centre. | | |
| Country | Customer Care Centre | Web Site |
| AUSTRALIA | 1300 362 603 | www.samsung.com/au |
| NEW ZEALAND | (0800) SAMSUNG (0800 726 789) | www.samsung.com/nz |
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| UZBEKISTAN | 8-10-800-500-55-500 | www.samsung.com |
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| BEARUS | 810-800-500-55-500 | www.samsung.com |
| MOLDOVA | 0-800-614-40 | www.samsung.com |
| ALGERIA | 0800 100 100 | www.samsung.com/dz |
| PAKISTAN | (800-Samsung (72678) | www.samsung.com |
| TUNISIA | 80-1000-12 | www.samsung.com/tu |

Important Safety Instructions

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 (kettle 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 shelf, 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.

Changing the Input Source

Source List

Use the SOURCE button 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 / AV1 / AV 2 / Component / HDMI**
- You can only choose external devices that are connected to the TV. In the **Source List**, connected inputs will be highlighted.

How to use Edit Name

Edit Name lets you associate a device name to an input source. To access **Edit Name**, press the **TOOLS** button in **Source List**. Name the device connected to the input jacks to make your input source selection easier.

- When connecting a PC to the HDMI port with HDMI cable, you should set the TV to **PC** mode under **Edit Name**.
- When connecting a PC to the HDMI port with **HDMI** to **DVI** cable, you should set the TV to **DVI PC** mode under **Edit Name**.
- When connecting an AV device to the HDMI port with HDMI to DVI cable, you should set the TV to **DVI** mode under **Edit Name**.

Information

- You can see detailed information about the selected external device.
- Information only available for the current connected source.

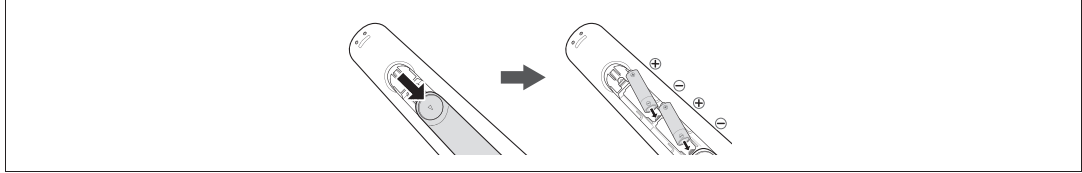
Display Modes (HDMI/DVI Input)

Optimal resolution

4 series: 1366 x 768@60Hz / 5 series: 1920 x 1080@60Hz

| Mode | Resolution | Horizontal Frequency (kHz) | Vertical Frequency (Hz) | Pixel Clock Frequency (MHz) | Sync Polarity (H / V) | 1366 x 768 | 1920 x 1080 |
|----------|-------------|----------------------------|-------------------------|-----------------------------|-----------------------|------------|-------------|
| BM | 720 x 400 | 31.469 | 70.087 | 28.322 | -/+ | ✓ | ✓ |
| | 440 x 480 | 35.000 | 66.667 | 30.340 | -/- | ✓ | ✓ |
| | 640 x 480 | 49.725 | 74.551 | 57.294 | -/- | ✓ | ✓ |
| | 1152 x 870 | 68.681 | 75.082 | 100.000 | -/- | ✓ | ✓ |
| | 640 x 480 | 31.469 | 59.940 | 25.175 | -/- | ✓ | ✓ |
| | 640 x 480 | 37.861 | 72.809 | 31.500 | -/- | ✓ | ✓ |
| | 640 x 480 | 37.500 | 75.000 | 31.500 | -/- | ✓ | ✓ |
| | 800 x 600 | 37.875 | 60.317 | 40.000 | +/+ | ✓ | ✓ |
| | 800 x 600 | 48.077 | 72.188 | 50.000 | +/- | ✓ | ✓ |
| | 800 x 600 | 46.875 | 75.000 | 49.500 | +/+ | ✓ | ✓ |
| MAC | 1024 x 768 | 48.363 | 60.004 | 65.000 | -/- | ✓ | ✓ |
| | 1024 x 768 | 50.478 | 70.086 | 74.000 | -/- | ✓ | ✓ |
| | 1024 x 768 | 60.023 | 75.029 | 78.750 | -/- | ✓ | ✓ |
| | 1152 x 864 | 67.500 | 75.000 | 108.000 | +/- | ✓ | ✓ |
| | 1280 x 720 | 65.000 | 60.000 | 74.250 | +/- | ✓ | ✓ |
| | 1280 x 800 | 65.702 | 59.910 | 83.500 | -/- | ✓ | ✓ |
| | 1280 x 1024 | 63.981 | 60.000 | 108.000 | +/- | ✓ | ✓ |
| | 1280 x 1024 | 69.978 | 75.029 | 136.000 | +/- | ✓ | ✓ |
| | 1366 x 768 | 47.712 | 59.790 | 85.500 | +/- | ✓ | ✓ |
| | 1440 x 900 | 55.508 | 59.887 | 106.500 | -/- | ✓ | ✓ |
| VESA DMT | 1680 x 1050 | 65.000 | 60.000 | 136.000 | +/- | ✓ | ✓ |
| | 1680 x 1050 | 65.250 | 59.954 | 146.250 | -/- | ✓ | ✓ |
| | 1920 x 1080 | 67.500 | 60.000 | 148.500 | +/- | ✓ | ✓ |
| | 1920 x 1080 | 67.500 | 60.000 | 148.500 | +/- | ✓ | ✓ |

Installing batteries (Battery size: AAA)



NOTE

- Use the remote control within 23 feet 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

Retuning Channels

Area

You can change the desired area.

Auto Store

(depending on the country)

- If a channel is locked, the PIN input appears.
- Automatically allocated programme numbers may not correspond to actual or desired programme numbers. If a channel is locked, the PIN input window appears.

Manual Store

Scans for a channel manually and stores in the TV.

- If a channel is locked, the PIN input appears.

- 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.

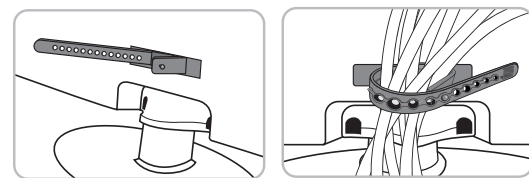
Channel mode

- **P (Programme)**: When tuning is complete, the broadcasting stations in your area have been assigned to position numbers from P0 to P99. You can select a channel by entering the position number in this mode.
- **C (aerial channel mode) / S (cable channel mode)**: These two modes allow you to select a channel by entering the assigned number for each aerial broadcasting station or cable channel.

Getting Started

Accessories

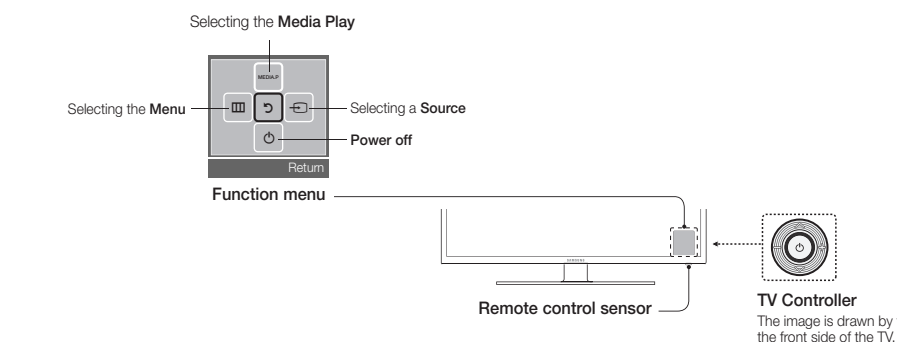
- Remote Control & Batteries (AAA x 2)
- Owner's Instructions
- Power Cord
- Warranty Card / Regulatory Guide (Not available in some locations)



Input Cables (Sold Separately)

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

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)

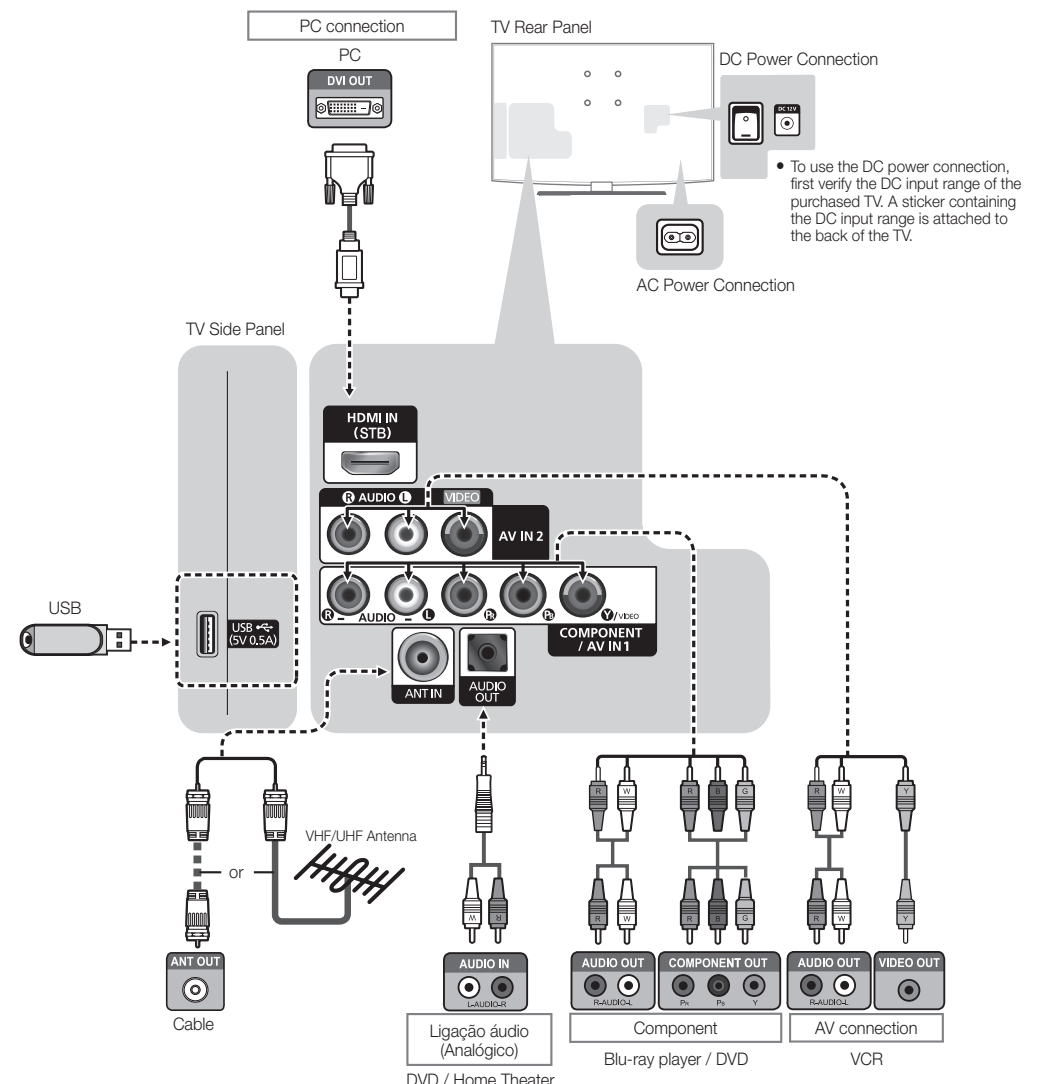
When you turn the TV on for the first time, a sequence of screens and on-screen prompts will assist you in configuring the TV's basic settings. Plug the power cord into a wall outlet, and then press the **POWER** button to turn on the TV. Set the initial setup following instructions that the TV guides.

- 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")

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 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 port, the audio does not work.
- For Set-top box connection using HDMI cable, we highly recommend you to connect the HDMI port.



Setup Menu

Language

- Set the menu language.
- Select Language and press the ENTER button.

Time

- The current time will appear every time you press the INFO button.
- Clock Set:** Set the Year, Day, Month, Hour, Minute.
- On Time / Off Time:** Set the hour, minute and Activate / Inactivate. (To activate the timer with the setting you have chosen, set to Activate.)
- Repeat:** Select Once, Everyday, Mon-Fri, Mon-Sat, Sat-Sun or Sun to set at your convenience, if you select Manual, you can set up this day you want to activate the timer.
- Contents:** When the On Time is activated, you can turn on a specific channel or play back contents such as photo or audio files.
- TV: Select TV.
- Channel:** Select the desired channel.
- Volume:** Set the desired volume level.

- Sleep Timer** Automatically shuts off the TV after a preset period of time, (30, 60, 90, 120, 150 and 180 minutes)
- 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 MUTE button has been pressed.
 - 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.

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.

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, Settings), then press the ENTER button.
 - It might not work properly with unlicensed multimedia files.
 - If you want to view detailed information of the file or connected device, press TOOLS button in the file list, and then select Detailed Information or Device 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.
 - 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 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.
- If the TV has no input during the time set in Auto Protection Time, the Screensaver will run.
- 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 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 2000.
- The media may not be playing smoothly when using the device lower 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 | .txt |
| SAMT | .amr |
| SubRip | .art |
| SubViewer | .sub |
| Micro DVD | sub or .txt |
| SubStation Alpha | .ass |
| Advanced SubStation Alpha | .ass |

Internal

| Name | Container | Format |
|---------------------------|-----------|----------------|
| SubStation Alpha | 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 | Bit rate(Mbps) | Audio Codec |
|----------------|-----------|-----------------------|-------------|------------|----------------|-------------------------|
| .avi | | Divx 3.11 / 4 / 5 / 6 | 1920x1080 | | 30 | |
| .mav | | MPEG4 SP/ASP | | | | |
| .asf | | H.264 SP/ASP | | | | |
| .wmv | Avi | Motion JPEG | 640x480 | | 8 | AC3 LPCM |
| .mp4 | M4V | MPEG4 SP/ASP | | | | MPEG4 AAC HEAAC |
| .mpg | MPG | Window Media Video 6 | | | | WMA Dolby |
| .mpe | | MPEG2 | | | | MPEG MP3 DTS (Dolby) |
| .ts | TS | | 1920 x 1080 | | 30 | G.711 (A-Law, u-Law) |
| .m2v | | MPEG2 | | | | |
| .h264 | | | | | | |
| .h265 | | | | | | |
| .h266 | | | | | | |

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 onet file.

Video Decoder

Supports up to H.264, Level 4.1
H.264 P/SP / 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.
GMO 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.
- 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 sound is abnormal when playing MP3 files, 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.
 - 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 | Basic Progressive | 1920 x 1080 1280 x 720 |

Other Restrictions

CMYK, YCKC 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 ✓ 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.

Media Play - Additional Functions

Videos/Music/Photos Play Option menu

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 Format | You can select the digital audio output format. | ✓ | | |
| Audio Language | You can change the audio language if the video has more than one language. | ✓ | | |
| 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. | ✓ | ✓ | ✓ |

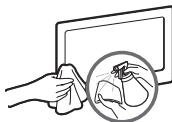
Storage and Maintenance

- 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, thinner) or a cleaning agent.



License



DivX Certified® to play DivX® video up to HD 1080p, including premium content.

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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 elect to install the TV on your own.

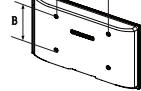
Wall Mount Kit Specifications (VESA)

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 | UA23H4060 | 75 X 75 | M4 | 4 |



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 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.

To prevent the TV from falling

- Since the necessary clamps, screws, and string are not supplied, please purchase these additionally.
- 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.
- 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.
- Connect the clamps fixed onto the TV and the clamps fixed onto the wall with a strong cable and then tie the string tightly.
- Note**
 - 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.
- 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 "K" icon on the rear of the TV. The Kensington slot is beside the "K" icon.

The position and colour may differ depending on the model.

To lock the product, follow these steps:

- Wrap the Kensington lock cable around a large, stationary object such as desk or chair.
- Slide the end of the cable with the lock attached through the looped end of the Kensington lock cable.
- Insert the locking device into the Kensington slot on the product.

- 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.

Caution of the cover-jack



Caution: The cover-jack is for use by qualified service personnel only. To reduce the risk of electric shock or fire hazard, do not use the cover-jack, unless you are qualified to do so.

TV Rear Panel



The rear panel may differ depending on the model.

Specifications

| | |
|------------------------------|-------------------------------|
| Environmental Considerations | |
| Operating Temperature | 10°C to 40°C (50°F to 104°F) |
| Operating Humidity | 10% to 80%, non-condensing |
| Storage Temperature | -20°C to 45°C (-4°F to 113°F) |
| Storage Humidity | 5% to 95%, non-condensing |
| Model Name | UA23H4060 |
| Display Resolution | 1366 x 768 |
| Screen Size | 58 cm |
| Sound Output | 3W x 2 |
| Dimensions (W x H x D) | |
| Body | 55.1 x 33.1 x 4.9 cm |
| With stand (Round)* | 55.1 x 36.8 x 12.3 cm |
| Weight | |
| Without Stand | 3.0 kg |
| With stand (Round)* | 3.1 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.

* The option may differ depending on country.