



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.

Important Warranty Information Regarding Television Format Conversion

See the warranty card for more information on warranty terms.

Wide screen format LED Displays (16:9, the aspect ratio of the screen width to height) are primarily designed to view wide screen format full-motion video. The images displayed on them should primarily be in the wide screen 16:9 ratio format, or expanded to fill the screen if your model offers this feature and the images are constantly moving. Displaying stationary graphics and images on screen, such as the dark sidebars on non-expanded standard format television video and programming, should be limited to no more than 5% of the total television viewing per week. Additionally, viewing other stationary images and text such as stock market reports, video game displays, station logos, web sites or computer graphics and patterns, should be limited as described above for all televisions. Displaying stationary images that exceed the above guidelines can cause uneven aging of LED Displays that leaves subtle, but permanent burned-in ghost images in the LED picture. To avoid this, vary the programming and images, and primarily display full screen moving images, not stationary patterns or dark bars. On LED models that offer picture sizing features, use these controls to view different formats as a full screen picture. Be careful in the selection and duration of television formats you use for viewing. Uneven LED aging as a result of format selection and use, as well as burned-in images, are not covered by your Samsung Limited Warranty.

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.

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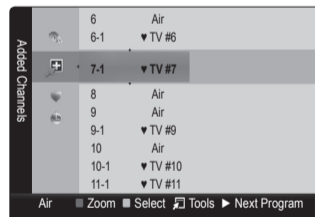
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Channel Menu

Seeing Channels

Channel List

Add, delete or set Favorite channels and use the program guide for digital broadcasts. Select a channel in the All Channels, Added Channels, Favorite or Programmed 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

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 (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 favorite.

Ⓢ A reserved program.

Ⓢ A program currently being broadcast.

Adding channels

Antenna (Air / Cable) TOOLS

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

Auto Program

When selecting the Cable TV system: Selects the cable system. STD, HRC and IRC identify various types of cable TV systems. Contact your local cable company to identify the type of cable system that exists in your particular area. At this point, the signal source has been selected.

After all the available channels are stored, it starts to remove scrambled channels. The Auto program menu then reappears.

Press the ENTER button to stop the channel store during Auto Program.

Getting Started

Accessories

- Remote Control (AA59-00666A) & Batteries (AAA x 2)
- Owner's Instructions
- Power Cord
- Warranty Card / Safety Guide
- Cable manager

Input Cables (Sold Separately)

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

Check the cable before plug-in

Do not plug cable upside down. Be sure to check before plug-in.

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Still image warning

Avoid displaying still images (such as jpeg picture files) or still image elements (such as TV channel logos, panorama or 4:3 image format, stock or news bars at screen bottom etc.) on the screen. Constant displaying of still pictures 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.

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Channel Mode

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

The Favorite Channels is enabled only when you set Add to Favorite.

Warm1 or Warm2 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.

Zoom1: Use for moderate magnification.

Zoom2: Use for a stronger magnification.

Wide Fit: Enlarges the aspect ratio of the picture to fit the entire screen.

4:3: Sets the picture to basic (4:3) mode.

Do not watch in 4:3 format for a long time. Traces of borders displayed on the left, right and center of the screen may cause image retention (screen burn) which are not covered by the warranty.

Screen Fit (DTV): Displays the full image without any cut-off when HD/1 (1080p, 1080i) or Component (1080i/1080p) signals are inputted.

HD (High Definition): 16:9 - 1080i/1080p (1920x1080), 720p (1280x720)

Settings can be adjusted and stored for each external device you have connected to an input on the TV.

Picture Sizes available by Input Source:

Input Source Picture Size

DTV (1080i, 1080p), Component (1080i, 1080p), HDMI (720p, 1080i, 1080p) 16:9, Zoom1, Zoom2, 4:3

16:9, Wide Fit, 4:3, Screen Fit

When connecting a PC, you can only select Entertain and Standard.

Dynamic: Suitable for a bright room.

Standard: Suitable for a normal environment.

Movie: Suitable for watching movies in a dark room.

Entertain: Suitable for watching movies and games.

Only available when connecting a PC.

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

Your television has several setting options for picture quality control.

When connecting a PC, you can only make changes to Backlight, Contrast, Brightness and Sharpness

Advanced Settings

(available in Standard / Movie mode)

Compared to previous models, new Samsung TVs have a more precise picture.

When connecting a PC, you can only make changes to Gamma and White Balance.

Color Space (Auto / Native): Adjusts the range of colors available to create the image.

White Balance: Adjusts the color temperature for a more natural picture.

R-Offset / G-Offset / B-Offset: Adjusts each color's (red, green, blue) darkness.

R-Gain / G-Gain / B-Gain: Adjusts each color's (red, green, blue) brightness.

Reset: Resets the White Balance to it's default settings.

Gamma: Adjusts the primary color intensity.

Dynamic Contrast (Off / Low / Medium / High): Adjusts the screen contrast.

Black Tone (Off / Dark / Darker / Darkest): Select the black level to adjust the screen depth.

Flesh Tone: Emphasize pink "flesh tone".

Motion Lighting (Off / On): Reduce power consumption by brightness control adapted motion.

Available in Standard mode only.

Plug & Play (Initial Setup)

When you turn the TV on for the first time, a sequence of on-screen prompts will assist in configuring basic settings. Press the POWER button. Plug & Play is available only when the input source is set to TV.

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

Selecting a language

Select the desired OSD (On Screen Display) language.

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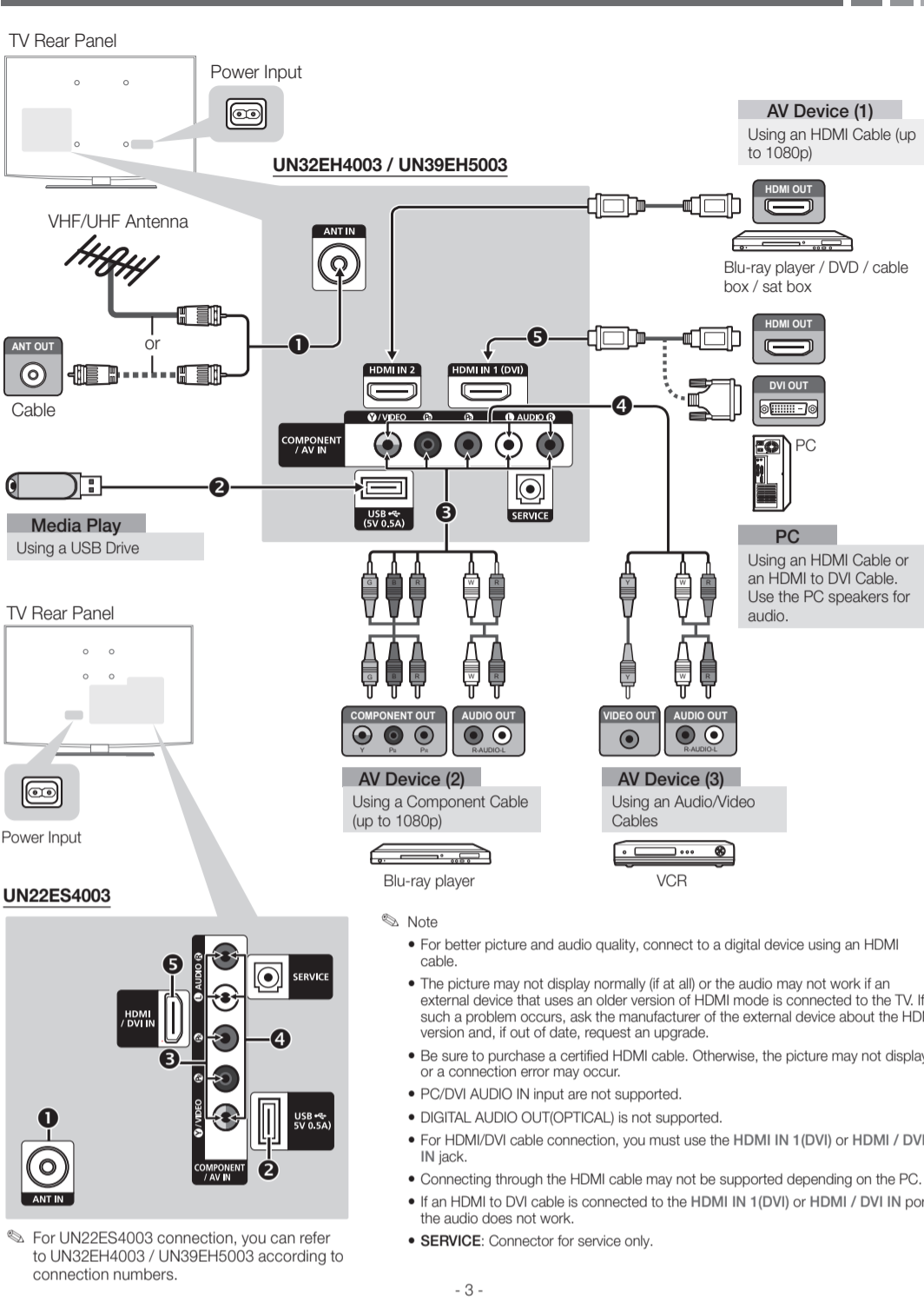
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Connections



Sound Menu

Mode TOOLS

Standard: Selects the normal sound mode.

Music: Emphasizes music over voices.

Movie: Provides the best sound for movies.

Clear Voice: Emphasizes voices over other sounds.

Amplify: Increase the intensity of high-frequency sounds to allow a better listening experience for the hearing impaired.

Equalizer

(standard sound mode only)

Balance L/R: Adjusts the balance between the right and left speakers.

100Hz / 300Hz / 1KHz / 3KHz / 10KHz (Bandwidth Adjustment): Adjusts the level of specific bandwidth frequencies.

Reset: Resets the equalizer to its default settings.

SRS TruSurround HD

(standard sound mode only)

SRS TruSurround HD is a patented SRS technology that solves the problem of playing 5.1 multichannel content over two speakers.

TruSurround delivers a compelling, virtual surround sound experience through any two-speaker playback system, including internal television speakers. It is fully compatible with all multichannel formats.

Preferred Language

(digital channels only)

Digital-TV broadcasts are capable of simultaneous transmission of many audio tracks (for example, simultaneous translations of the program into foreign languages).

You can only select a language from among the ones being broadcasted.

Multi-Track Sound (MTS)

(analog channels only)

Mono: Choose for channels that are broadcasting in mono or if you are having difficulty receiving a stereo signal.

Stereo: Choose for channels that are broadcasting in stereo.

SAP: Choose to listen to the Separate Audio Program, which is usually a foreign-language translation.

Depending on the program being broadcast, you can listen to Mono, Stereo or SAP.

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.

Sound Reset

Reset All: Resets all sound settings to the factory defaults.

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Support Menu

Self Diagnosis

- Picture Test:** Use to check for picture problems. If the problem continues to occur, check the color pattern.
- Sound Test:** Use the built-in melody sound to check for sound problems.
- Signal Strength:** (digital channels only) An HD channel's reception quality is either perfect or the channels are unavailable. Adjust your antenna to increase signal strength.
- Reset:** Reset all settings to the factory defaults.
 - The PIN input screen appears before the setup screen.
 - Enter your 4-digit PIN. Change the PIN using the **Change PIN** option.

Software Upgrade

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

HD Connection Guide

Refer to this information when connecting external devices to the TV.

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 centers and how to download products and software.

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 (USB)** in **Application** menu.

Using the Media Play Menu



- Press the **MENU** button. Press the **▲** or **▼** button to select

Application, 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.
 - Need-to-Know List** before using **Media Play (USB)** of the file system supports FAT16, FAT32 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 Flash Card Readers. Devices should be connected directly to the TV's USB port. USB HDD is not supported.

- 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 (more than 0.5A) 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 15,360 x 8,704 pixels.

- If a file is corrupted or the TV does not support the file type, the "Not Supported File Format" message appears.
- 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 the device is over-powered while 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 you use a USB extension cable, the TV may not recognize the USB device or may not be able to read the files on the device.
- 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 displayed, 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.

Videos



- Press the **◀** or **▶** button to select **Videos**, then press the **ENTER** button in the **Media Play** menu.
- Press the **◀** or **▶** button 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.

- 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
SAMI	.smi
SubRip	.srt
SubViewer	.sub
Micro DVD	.sub or .txt
SubStation Alpha	.ssa
Advanced SubStation Alpha	.ass

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

File Extension	Container	Video Codec	Resolution	Frame rate(frames)	Bit rate(Mbps)	Audio Codec
*.mp4	MP4	DxV3.11/4x5.1/6.0	1920x1080	6-30	30Mbps	MPS / ADPCM / AAC
		H264	1920x1080	6-30	30Mbps	
		AVC	1920x1080	6-30	30Mbps	
		MPEG	640x480	6-30	10Mbps	
		DxV3.11/4x5.1/6.0	1920x1080	6-30	30Mbps	MPS / AC3 / LPCM / DTS Core
*.avi	AVI, MKV	MPEG4 SP / ASP	1920x1080	6-30	30Mbps	MPS / AC3 / LPCM / DTS Core
		H264	1920x1080	6-30	30Mbps	
		MPEG	640x480	6-30	10Mbps	

File Extension	Container	Video Codec	Resolution	Frame rate(frames)	Bit rate(Mbps)	Audio Codec
*.asf	ASF	MPEG4 SP / ASP	1920x1080	6-30	30Mbps	MPS / AC3 / LPCM / ADPCM / WMA / VMA
		H.264	1920x1080	6-30	30Mbps	
*.ts	TS	MPEG2	1920x1080	6-30	30Mbps	AC3 / AC / LPCM / DTS / HE-AAC
*.tp		MPEG2	1920x1080	6-30	30Mbps	
*.m2ts		MPEG2	1920x1080	6-30	30Mbps	
*.dat	PS	MPEG1	1920x1080	24/25/30	30Mbps	AC3 / MPS / LPCM / AAC
*.mpg		MPEG2	1920x1080	24/25/30	30Mbps	
*.mpeg		MPEG2	1920x1080	6-30	30Mbps	
*.vob		MPEG2	1920x1080	6-30	30Mbps	
*.3gp	3GPP	MPEG4 SP / ASP	1920x1080	6-30	30Mbps	MPS
*.flv	Flash formats	H.264	1920x1080	6-30	30Mbps	MPS
*.swf		Screenion H.263	1920x1080	6-30	30Mbps	MPS

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.

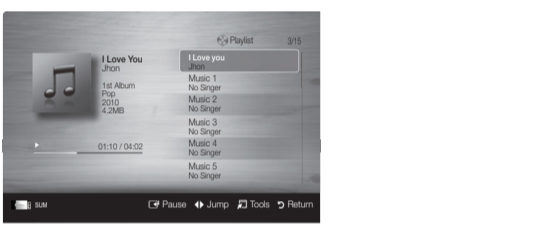
Video Decoder

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 :
- Below 1280 x 720: 60 frame max
- Above 1280 x 720: 30 frame max
H.263 is not supported.
GMC3 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 **◀** or **▶** button 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 and PCM 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 **◀** or **▶** button 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 **[▶]** / **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]** and **[FF]** buttons.
 - You can move to other file using **◀** or **▶** button.
- Supported Photo Formats

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

Other Restrictions

- CMYK, Y'CbCr Color 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**.
- Press the **TOOLS** button, and then select **Play Selected Contents**.

Playing the video/music/photo file group

- While a file list is displayed, move to any file in desired group.
 - Press the **TOOLS** button, and then select **Play Folder**.
- Media Play - Additional Functions**
- Videos/Music/Photos File 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.	✓	✓	✓

Settings

Using the Setup Menu

- Information:** Select to view information on the connected device.

Other Information

Installing the Wall Mount Kit

The wall mount kit (sold separately) allows you to mount the TV on the wall.

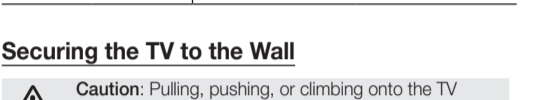
For detailed information on installing the wall mount, see the instructions provided with the wall mount items. Contact a technician for assistance when installing the wall mount bracket. Samsung Electronics is not responsible for any damage to the product or injury to yourself or others if you elect to install the wall mount 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 that are longer than the standard dimension or do not comply with the VESA standard screw specifications. Screws that are too long 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	TV size in inches	VESA screw hole specs (A * B) in millimeters	Standard Screw	Quantity
LED-TV	19-22	75 X 75	M4	4
	26	100 X 100		
	32-40	200 X 200		
	46-60	400 X 400	M6	



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. After stable stability, install the anti-fall device for safety purposes, as follows.

Prevent the TV from falling

- Since the necessary clamps, screws, and string are not supplied, please purchase these additionally.
- Drive the screws into the clamps and firmly fasten them onto the wall. Make sure the screws are firmly fixed into the wall.
- Remove the screws from the back center of the TV, put the screws into the clamps, and then fasten the screws onto the TV again.
- Connect the clamps fixed onto the TV and the clamps fixed onto the wall with a strong cable and then tie the string tightly.
- Verify all connections are properly secured. Periodically check the connections for any sign of fatigue or failure. If you have any doubt about the security of your connections, contact a professional installer.

Troubleshooting

If the TV seems to have a problem, first review this list of possible problems and solution. If none of these troubleshooting tips apply, visit samsung.com, then click on Support, or call Samsung customer service at 1-800-SAMSUNG.

Problem	Possible Solution
Flickering and Dimming	If your Samsung Television is flickering or dimming sporadically, you may need to disable some of its energy efficient features like the Eco Sensor or the Energy Saving feature. If you follow below step with your remote, you can turn these features off or on. Energy Saving : User Menu -> Setup -> Eco Solution -> Energy Saving
Component Connections / Screen Color	If you find that the color on your Samsung television's screen is not correct or black and White, first run a Self Diagnosis on the TV to make sure there are no device issues. Self Diagnosis : User Menu -> Support -> Self Diagnosis -> Picture Test <ul style="list-style-type: none">If the test is ok, try making sure:<ul style="list-style-type: none">Your connections are all consistent. For example, if you've used the AV in jack on your TV, make sure you have used the AV Out jack on your video source.Try making sure you have connected to the correct jacks. For example, if you use the Component jacks, labeled Pb, Pr, and Y, to connect your TV and video source, make sure you have connected the blue Pb jack on the video source to the blue Pb jack on the TV, the red Pr jack on the source to the red Pr jack on the TV.
Screen Brightness	If you find that the colors on your Samsung TV are correct but just a little too dark or bright, there are some settings you should check before calling for a repair. <ul style="list-style-type: none">Backlight, Contrast, Brightness, Sharpness, Color, Tint and so on. Go in to "Picture" on user Menu then try adjusting options mentioned above.
Unwanted Powering off	If your Samsung TV appears to turn off by itself, there may be an issue with either your Timer settings or your Eco friendly No Signal Power Off feature. First make sure your Sleep Timer is not accidentally set. The sleep timer allows you the comfort of falling asleep with the TV still on but, turns it off after a certain period of time so as not to waste energy. <ul style="list-style-type: none">Sleep Timer : User Menu -> Setup -> Sleep TimerIf the Sleep Timer is not activated, you may have engaged the No Signal Power Off or Auto Power Off feature.No Signal Power Off : User Menu -> Setup -> Eco Solution -> No Signal PowerAuto Power Off : User Menu -> Setup -> Eco Solution -> Auto Power Off
Trouble Powering On	Before Turn on check red light on the right or left bottom of your TV. Press power on button on TV or remote and it will blink about 5 times before turning on. If you find that you are having trouble powering on your Samsung television, there are a number of things to check before making a call to the service department. <ul style="list-style-type: none">If you happen to be using the TV as a monitor and the stand-by light only blinks for a few seconds when you press the power button, your PC is in sleep mode. To take your PC out of sleep mode, press a key on your keyboard or move the mouse. Then try turning your TV on.If you're sure your power cord, remote control, and PC are functioning properly, you may be having a cable issue. If you have a cable or satellite box, your TV may appear to be off because the cable or satellite box is not outputting a signal. To test the signal output of your cable or satellite box, press the guide or info button on the cable or satellite box remote control. If the screen displays the guide or info data, the problem is caused by the box.
Stand Assembly	If you have any trouble to assemble the stand though you refer to "Install the Stand" mentioned at separate guide.
Cannot find channel	<ul style="list-style-type: none">Re-run plug and play.
Poor picture	First, perform the Picture Test and to see if your TV is properly displaying the test image. Go to MENU -> Support - Self Diagnosis - Picture Test If the test image is properly displayed, the poor picture may be caused by the source or signal. <ul style="list-style-type: none">If you have an analog cable/satellite box, upgrade to a digital set-top box. Use HDMI or Component cables to deliver HD (high definition) picture quality.Cable/Satellite subscribers: Try HD channels from the channel line up.Air Cable Antenna connection: Try HD channels after performing Auto program.Many HD channels are up scaled from SD(Standard Definition) contents.Adjust the Cable/Set top box video output resolution to 1080i or 720p.
The picture is distorted: macroblock error, small block, dots, pixelization.	<ul style="list-style-type: none">Compression of video contents may cause picture distortion, especially on fast moving pictures such as sports and action movies.A weak signal can cause picture distortion. This is not a TV problem.Mobile phones used close to the TV (within 3.3ft) may cause noise in the picture on analog and digital channels.
The picture is distorted: macroblock error, small block, dots, pixelization.	<ul style="list-style-type: none">Compression of video contents may cause picture distortion, especially on fast moving pictures such as sports and action movies.A weak signal can cause picture distortion. This is not a TV problem.Mobile phones used close to the TV (within 3.3ft) may cause noise in the picture on analog and digital channels.
Color is wrong or missing.	<ul style="list-style-type: none">If you're using a component connection, make sure the component cables are connected to the correct jacks. Incorrect or loose connections may cause color problems or a blank screen.
There is poor color or brightness.	<ul style="list-style-type: none">Adjust the Picture options in the TV menu. (go to Picture Mode / Color / Brightness / Sharpness)Adjust Energy Saving option in the TV menu. (go to MENU - Setup - Eco Solution - Energy Saving)Try resetting the picture to view the default picture setting. (go to MENU - Picture - Picture Reset)

Problem	Possible Solution
There is a dotted line on the edge of the screen.	<ul style="list-style-type: none">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.	<ul style="list-style-type: none">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.	<ul style="list-style-type: none">If connected to a cable box, please try to reset it, (reconnect the AC cord and wait until the cable box reboots. It may take up to 20 minutes).Set output resolution of the cable box to 1080i or 720p.
Sound Problem	First of all, please perform the Sound Test to confirm that your TV audio is properly operating. (go to MENU -> Support - Self Diagnosis - Sound Test) If the audio is OK, the sound problem may be caused by the source or signal. <ul style="list-style-type: none">Please check the volume of the device (Cable/Sat Box, DVD, Blu-ray, etc.) connected to your TV.
There is no sound or the sound is too low at maximum volume.	<ul style="list-style-type: none">If you are using an external device, check the device's audio output option (i.e., you may need to change your cable box's audio option to HDMI when you have a HDMI connected to your TV).Reboot the connected device by reconnecting the device's power cable.
The picture is good but there is no sound.	<ul style="list-style-type: none">Check the cable connections. Make sure a video cable is not connected to an audio input.For Antenna or Cable connections, check the signal information. A weak signal may cause sound distortion.Perform the Sound Test as explained above.
The speakers are making an inappropriate noise.	<ul style="list-style-type: none">Check the cable connections. Make sure a video cable is not connected to an audio input.For Antenna or Cable connections, check the signal information. A weak signal may cause sound distortion.Perform the Sound Test as explained above.
No Picture, No Video	The TV will not turn on. <ul style="list-style-type: none">Make sure the AC power cord is securely plugged into 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 "Remote control does not work" below.
The TV turns off automatically.	<ul style="list-style-type: none">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 you are watching TV connected to an antenna or cable connection, the TV will turn off after 10- 15 minutes if there is no signal.
There is no picture/video.	<ul style="list-style-type: none">Check the cable connections. (Remove and reconnect all cables connected to the TV and external devices).Set your external device's (Cable/Sat Box, DVD, Blu-ray) 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 remote control.Reboot the connected device by reconnecting the device's power cable.
Antenna(Air / Cable) Connection	The TV is not receiving all channels. <ul style="list-style-type: none">Make sure the coaxial cable is connected securely.Please try Auto Program to add available channels to the channel list. (go to MENU -> Channel - Auto program then select Auto and make sure the correct Cable TV signal type is set in the menu. There are 3 options. (STD, HRC and IRC)Verify the antenna is positioned correctly.
No Caption on digital channels.	<ul style="list-style-type: none">Check the Caption Setup menu. Try changing Caption Mode Service 1 to CC1.Some channels may not have caption data.
The picture is distorted: macroblock error, small block, dots, pixelization.	<ul style="list-style-type: none">Compression of video contents may cause picture distortion. Especially on fast moving pictures such as sports and action movies.A weak signal can cause picture distortion. This is not a TV problem.
Others	<ul style="list-style-type: none">Remove the left and right audio connections from the set-top-box. If the buzzing stops, this indicates that the set-top-box has a grounding issue. Replace the Component video cables with an HDMI connection.
The picture will not display in full screen.	<ul style="list-style-type: none">HD channels will have black bars on either side of the screen when displaying up scaled SD (4:3) contents.Black bars on the Top & Bottom will be shown on movies that have aspect ratios different from your TV.Adjust the picture size option on your external device or change the TV to full screen.
The remote control does not work.	<ul style="list-style-type: none">Replace the remote control batteries with correct polarity (+/-).Clean the transmission window located on the top of the remote control.Try pointing the remote directly at the TV from 5-6 feet away.
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">Program 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.	<ul style="list-style-type: none">Check the supported resolution of the TV and adjust the external device's output resolution accordingly. Refer to resolution settings in this manual.

Problem	Possible Solution
Caption on the TV menu is greyed out.	<ul style="list-style-type: none">You cannot select Caption in the TV menu when watching content from a device connected via HDMI or Component.Caption must be activated on the external device.This small is normal and will dissipate over time.
There is a plastic smell from the TV.	<ul style="list-style-type: none">This function is only available for digital channels from an Antenna / RF/Coax connection.
TV Signal Strength is unavailable in the Self Diagnosis Test menu.	<ul style="list-style-type: none">TV is tilted to the right or left side.Remove the stand base from the TV and reassemble it.
The Channel menu is grey out (unavailable).	<ul style="list-style-type: none">The Channel menu is only available when you select the TV source.
Your settings are lost after 30 minutes or every time the TV is turned off.	<ul style="list-style-type: none">TV is in the Store Demo mode. It will reset audio and picture settings every 30 minutes. Please change from Store Demo mode to Home Use mode using the Plug & Play procedure. Press the SOURCE button to select TV mode, go to MENU -> Setup -> Plug & Play -> ENTER.
You have intermittent loss of audio or video.	<ul style="list-style-type: none">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 TV to the wall, we recommend using cables with 90 degree connectors.
You see small	