

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 Viewing

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...

SAMSUNG ELECTRONICS NORTH AMERICAN LIMITED WARRANTY STATEMENT

Subject to the requirements, conditions, exclusions and limitations of the original Limited Warranty supplied with Samsung Electronics (SAMSUNG) products...

The above described warranty repairs must be performed by a SAMSUNG Authorized Service Center...



Add to Favorite/Delete from Favorite

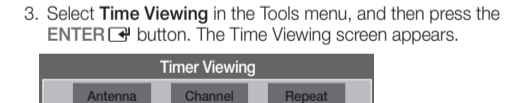
- Select one or more channels in the All Channels list using the up/down buttons and the Yellow Select button on your remote.

Timer Viewing

- Select a channel in the Added Channels list using the up/down buttons and the Yellow Select button on your remote.

Timer Viewing: You can schedule a channel to be displayed automatically at a set time, even when you are watching another channel.

- Change Info: Change the scheduling information for a show or channel you have scheduled.



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Cancel Schedules: Cancel a show or channel you have scheduled.

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The On Screen Menus

Your TV has two kinds of menus, the Main menu and the various Tools menus. The Main menu gives you access to most or all of the menu options available on your TV.

- Picture
Sound
Channel
Setup
Input
Application
Support

Transportation to and from the Service Center is the responsibility of the purchaser. Conditions covered are limited only to manufacturing defects in material or workmanship...

Picture Menu

- Mode
Standard
Music
Movie
Entertain
Warm
Size
Tint
Backlight
Contrast
Brightness
Sharpness
Color

Channel Mode (Added Channels/Favorite Channels)

Information: Display the information for a show or channel you have scheduled. You can also change the schedule Information.

- Information: Display the information for a show or channel you have scheduled.

Other Channel Menu Functions

Channel Name Edit: Analog channels only. Lets you assign a name of up to five characters to an analog channel.

Fine Tune: Analog channels only. 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.

Setup Menu

Plug & Play: Lets you re-run the Plug & Play initial setup procedure. For instructions, see your Quick Start Guide.

Setting the English

Cancel Schedules: Cancel a show or channel you have scheduled.

Advanced Settings

Available in Standard and Movie mode only. Compared to previous models, new Samsung TVs offer a more precise picture with more precise controls.

- Digital Noise Filter
HDMI Black Level
Film Mode
Black Tone
Flesh Tone
Motion Lighting
LED Motion Plus

Picture Options

- When the TV is connected to a PC, you can only make changes to the Color Tone, Size and HDMI Black Level.

To set the clock, follow these steps:

- Press the ENTER button. A list of folders on the device appears.

Other Features

Program Rating Lock: The Program Rating Lock feature lets you block programs you've determined are inappropriate for your children based on the program's ratings.

Timer 1 / Timer 2 / Timer 3: Turns the TV on and off automatically at times and days you select.

On Time / Off Time: Set the hour, minute, am/pm, and Activate/inactivate fields for the On Time and Off Time.

Content: Select what will be turned on when the timer setting is activated.

Parental Guidelines: You can block TV programs based on their ratings. This function allows you to control what your children are watching.

MPAA Rating: You can block movies based on their MPAA ratings. The Motion Picture Association of America (MPAA) has implemented a rating system that provides parents or guardians with advanced information on which films are appropriate for children.

Canadian English: You can block TV programs based on their Anglophone Canadian ratings.

Input Source

- ATV, AV, Component (480, 480p)
DTV (1080i, 1080p), Component (1080i, 1080p), HDMI (720p, 1080i, 1080p)

Picture Reset

Picture Reset (Reset Picture Mode / Cancel): Resets the picture settings to their factory defaults.

Sound Menu

- 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.

SRS TruSurround HD

Available in Standard sound mode only. SRS TruSurround HD is a patented SRS technology that solves the problem of playing 5.1 multichannel content through two speakers.

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Preferred Language

Digital channels only. Digital-TV broadcasts can transmit many audio tracks simultaneously (for example, simultaneous translations of a program into foreign languages).

Multi-Track Sound (MTS)

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

Auto Volume

Because each station has its own broadcasting conditions, the volume may fluctuate each time you change the channel.

Sound Reset

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

Channel Menu

Memorizing Channels

When you first set up your TV using Plug & Play, the TV memorized the channels that were available over the air or through your cable system and added them to the Channel List.

Antenna (Air / Cable)

Before your television can memorize the available channels, you must select your TV's signal source, Air (using an antenna) or Cable.



Channel List Screens options are listed on the left side. Select an icon using the up/down buttons to view each list.

Locking/Blocking Programs or Movies

You lock or block programs and/or movies in essentially the same way for each option. Each option displays a grid or table. All the tables have ratings listed on the left.

Change PIN: The Change PIN screen will appear. Choose any 4 digits for your PIN and enter them in Enter New PIN fields.

Melody: Lets you control whether a melody plays when the TV is turned on or off.

Game Mode (On/Off): When you connect a game console such as a PlayStation3 or Xbox360 to your TV, you can enjoy a more realistic gaming experience by turning on the Game Mode function.

Game Mode: You can block TV programs based on their ratings. This function allows you to control what your children are watching.

Caption: You can switch the caption function on or off. If captions are not available, they will not be displayed on the screen.

Energy Saving (Off / Low / Medium / High / Picture Off): This adjust the brightness of the TV in order to reduce power consumption.

No Signal Power Off (Off / 15 min. / 30 min. / 60 min.): Sets how quickly the TV switches to standby mode, if no picture is being received.

Auto Power Off (On / Off): The TV will be automatically turned off when no user operation is received for 4 hours.

Support Menu

Self Diagnosis

- Picture Test: Use to check for picture problems. If the problem appears in the test picture, select Yes and follow the directions on the screen.

Auto Program

The Auto Program function memorizes all channels that are available over the air or through your cable system and adds them to the Channel List.

Start Auto Program, follow these steps:

- Push MENU button to Channel.
Auto Program screen appears.
On the Antenna Source screen, select the source of your TV signal.

Clear Scrambled Channel: This function filters out scrambled channels after Auto Program is completed.

Managing Channels

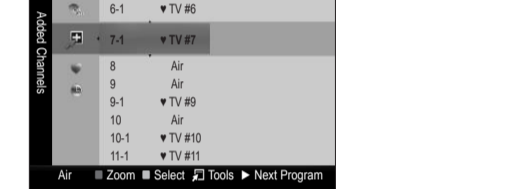
Channel List

See your list of Added Channels, Favorite channels, or channels you can use for viewing. Add or delete Favorite channels, add or delete channels from the Added Channels list, schedule channels or programs for viewing.

Channel List: These are the channels you will see when you use the Channel buttons on your remote.

Managing Channels

See your list of Added Channels, Favorite channels, or channels you can use for viewing. Add or delete Favorite channels, add or delete channels from the Added Channels list, schedule channels or programs for viewing.



Channel List Screens options are listed on the left side. Select an icon using the up/down buttons to view each list.

Reset: Reset all settings to the factory defaults.

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.

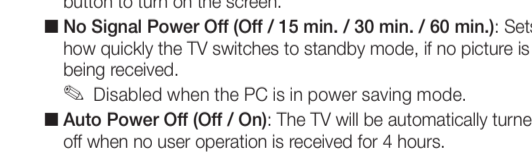
Media Play

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 back of the TV. A pop up window appears.

Using the Media Play Menu



To open Media Play in the Menu, follow these steps:

- Press the MENU button. Then, press the up/down button to select Application on the left, and then press the ENTER button.

Need-to-Know List before using Media Play (USB): The file system supports FAT16, FAT32 and NTFS.

- All Channels: Shows all currently available channels including those you deleted from the Added Channels list.
Added Channels: Shows all Added Channels. These are the channels that appear when you press the CH button.
Favorite: Shows all favorite channels.
Programmed: Shows all channels and programs currently scheduled using Timer Viewing.

- Remote control buttons active on the Channel List screen.
Green (Zoom): Enlarges or shrinks a channel number.
Yellow (Select): Move the cursor to a channel. Press the Yellow button to select the channel.

Display Icons Used in the Channel List Screens

Table with 2 columns: Icons, Meaning. Icons include checkmark, star, power, and TV.

The Channel List Tools Menu

The Channel List Tools menu contains most of the functions you can use on the All Channel, Added Channels, and Favorite List screens.

- Delete channels from the Added Channels list, follow these steps:
Select one or more channels in the Added Channels list using the up/down buttons and the Yellow Select button on your remote.

- Add channels to the Added Channels list, follow these steps:
Select one or more channels in the All Channels list using the up/down buttons and the Yellow Select button on your remote.

- Selected channels will be shown on the All Channels list.
A gray-colored channel indicates the channel has been deleted from the Added Channels list.

- 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.
- 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 billing and settlements.
- PTP devices are 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 period set in **Auto Protection Time**, the Screensaver will run.

Supported Subtitle Formats

External	
Name	File extension
MPEG-4 timed text	.txt
SAMI	.srt
SubRip	.srt
SubViewer	.sub
Micro DVD	.sub.or_.txt
SubStation Alpha	.ssa
Advanced SubStation Alpha	.ass

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

Supported Video Formats

File Extension	Container	Video Codec	Resolution	Frame rate(fps)	Bit rate(Mbps)	Audio Codec
*.mp4	MP4	DxK 3.11.4 x5.1 /6.0	1920x1080	6-30	30Mbps	MP3 / ADPCM / AAC
		H264	1920x1080	6-30	30Mbps	
		AVC	1920x1080	6-30	30Mbps	
		MJPEG	640x480	6-30	10Mbps	
*.avi	AVI, MKV	DxK 3.11.4 x5.1 /6.0	1920x1080	6-30	30Mbps	MP3 / AC3 / LPCM / ADPCM / AAC
		MPEG4 SP	1920x1080	6-30	30Mbps	
		H264	1920x1080	6-30	30Mbps	
		MJPEG	640x480	6-30	10Mbps	
*.avi	ASF	DxK 3.11.4 x5.1 /6.0	1920x1080	6-30	30Mbps	MP3 / AC3 / LPCM / ADPCM / AAC
		MPEG4 SP / ASP	1920x1080	6-30	30Mbps	
		H264	1920x1080	6-30	30Mbps	
		MJPEG	640x480	6-30	10Mbps	
*.ts	TS	H.264 SP / MP / HP	1920x1080	6-30	30Mbps	AC3 / MP3 / DDP / HE-AAC
		MPEG1	1920x1080	24/25/30	30Mbps	AC3 / MP3 / LPCM / ADPCM / AAC
*.dat	PS	MPEG2	1920x1080	24/25/30	30Mbps	LPCM / ADPCM / AAC
		H.264 SP / MP / HP	1920x1080	6-30	30Mbps	AC3 / MP3 / DDP / HE-AAC
*.3gp	3GPP	MPEG4 SP / ASP	1920x1080	6-30	30Mbps	MP3
		H.264	1920x1080	6-30	30Mbps	
*.avi	Flash formats	H.264	1920x1080	6-30	30Mbps	MP3
		Sorenson H.263	1920x1080	6-30	30Mbps	

Videos



- In the **Media Play** menu, press the ◀ or ▶ button to select **Videos**, and then press the ENTER button.
 - Press the ◀/▶/▲/▼ buttons to select a video in the file list.
 - Press the ENTER button or [] (Play) button.
 - The file name is displayed on the top of the screen with the 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 ▶ buttons.
- In this mode, you can play movie clips contained in a game, but you cannot play the game itself.

Other Restrictions

- Video content will not play, or not play correctly, if there is 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 Supported Video Formats table.
- If the Index Table erroneous, 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 / RC1, VCI 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

GMC 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



- In the **Media Play** menu, press the ◀ or ▶ button to select **Music**, and then press the ENTER button.
 - 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.
 - Press the ENTER button or [] (Play) button.
 - During music playback, you can search using the ◀ and ▶ button.
- 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



- In the **Media Play** menu, press the ◀ or ▶ button to select **Photos**, then press the ENTER button.
 - Press the ◀/▶/▲/▼ buttons to select a 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 a 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 files using ◀ or ▶ button.
 - Media Play** can play Music files automatically during a Slide Show if **Background Music** is set to **On**.
 - You cannot change the **Mode** in **Background Music** until the **Background Music** file has finished loading.
- Supported Photo Formats

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

Other Restrictions

- CMYK, YOCK Color space JPEG are not supported.

Playing Multiple Files

■ Playing selected video/music/photo files

- On the File List screen, highlight a file, and then press the Yellow button on your remote.
- Repeat Step 1 to select multiple files.
 - NOTE
 - A ✓ 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, select **Deselect All**, and then the ENTER button.

■ Playing a video/music/photo folder

- With the folders on your USB device displayed, use the ◀/▶/▲/▼ buttons to highlight a folder.
- Press the TOOLS button, select **Play Folder**, and then press the ENTER button.

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 select another video file to play 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.	✓		✓
Auto Motion Plus	You can enhance motion in fast moving scenes.	✓		
Sound Mode	You can adjust the sound setting.	✓	✓	
Subtitle Setting	You can play the video with Subtitles. This function only works if the subtitles have 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 / 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.	✓	✓	✓

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	M6	
	46-60"	400 X 400	M8	



Securing the TV to the Wall

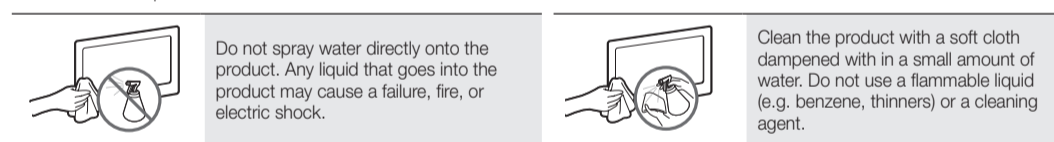
- Caution: Pulling, pushing, or climbing onto the TV may cause the TV to fall. In particular, ensure that your children do not hang over or destabilize the TV, doing so may cause the TV to tip over, resulting in serious injuries or death. Follow all safety precautions provided on the included Safety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

To prevent the TV from falling

- Since the necessary brackets, screws, and string or cable are not supplied, please purchase these separately. We strongly recommend you drive the screws into a stud.
- Using screws, insert the screws through the TV brackets, and then fasten the screws to the top VESA screw holes on the back of the TV.
 - 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.
 - Install the TV close to the wall so that it does not fall.
 - Connect the string or cable so that the brackets on the wall are at the same height or lower than the brackets on the TV. Untie the string or cable before moving the TV.
 - To purchase a TV Holder kit, contact Samsung customer care.

Storage and Maintenance

- If a sticker was attached to the TV screen, some debris can remain after you remove the sticker. Please clean it before watching the TV.
- The exterior and screen of the product can get scratched during cleaning. Be sure to wipe the exterior and screen carefully using a soft cloth to prevent scratches.



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DIXX HD

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

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DTS 2.0 Channel

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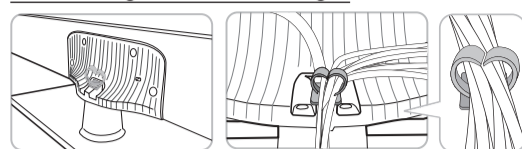
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Kensington Lock

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 color may differ depending on the model.

Assembling the Cable manager



Display Modes (HDMI/DVI Input)

Mode	Resolution	Horizontal Frequency (Hz)	Vertical Frequency (Hz)	Pixel Clock Frequency (MHz)	Sync Polarity (H / V)
EM	640 x 350	31.489	70.086	25.175	-/+
	720 x 400	31.489	70.086	28.352	-/+
MAC	640 x 480	35.000	60.000	30.240	-/+
	832 x 624	49.728	74.551	57.284	-/+
VESA DMT	1152 x 610	68.881	75.962	100.000	-/+
	640 x 480	31.489	60.000	28.375	-/+
	640 x 480	37.861	72.809	31.500	-/+
	640 x 480	37.500	75.000	31.500	-/+
	800 x 600	37.878	60.317	42.000	+/-
	800 x 600	48.077	72.188	50.000	+/-
	800 x 600	46.875	75.000	49.500	+/-
	1024 x 768	48.363	60.000	65.000	+/-
	1024 x 768	56.476	70.009	75.000	+/-
	1024 x 768	60.023	75.029	78.750	+/-
1152 x 864	67.500	75.000	108.000	+/-	
1280 x 720	45.000	60.000	74.250	+/-	
1280 x 800	49.702	58.810	63.500	+/-	
1280 x 1024	63.881	60.000	108.000	+/-	
1280 x 1024	78.976	75.000	136.000	+/-	
1360 x 768	47.712	59.790	85.500	+/-	
1440 x 900	55.955	59.887	106.500	+/-	
1600 x 900H	60.000	60.000	108.000	+/-	
1680 x 1050	65.250	59.954	146.250	+/-	
1920 x 1080	67.500	60.000	148.500	+/-	

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 Energy Saving feature. Follow the steps below with your remote to turn these features off or on. <ul style="list-style-type: none"> Energy saving : Menu → Setup → Eco Solution → Energy Saving → Select Settings
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 Test on the TV to make sure there are no device issues. <ul style="list-style-type: none"> Self Diagnosis : User Menu → Support → Self Diagnosis → Picture Test 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 to "Picture" in the Menu, and then try adjusting these options.
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. <ul style="list-style-type: none"> First make sure the Sleep Timer is not accidentally set. The Sleep Timer lets you fall asleep with the TV still on knowing that it will turn off after a certain period of time and not waste energy. Sleep Timer : User Menu → Setup → Time → Sleep Timer If 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 Power Auto Power Off : User Menu → Setup → Eco Solution → Auto Power Off
Trouble Powering On	Before you turn the TV on, find the red light on the right or left bottom of your TV. Press the power on button on the TV or remote and the light should blink about 5 times before the TV turns on. <ul style="list-style-type: none"> If you find that you are having trouble powering on your Samsung television, there are a number of things to check it before making a call to the service department. 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.

Specifications

Model Name	UN55FH6003	UN60FH6003	UN65FH6001
Display Resolution	1920 x 1080		
Screen Size (Diagonal)	55" Class (54.6" measured diagonally)	60" Class (60.0" measured diagonally)	65" Class (64.5" measured diagonally)
Sound Output		10W x 2	
Dimensions(W x H x D)			
Body	49.2 X 28.9 X 3.7 inches (1250.6 X 736.7 X 94.3 mm)	54.1 X 31.4 X 3.7 inches (1376.6 X 799.3 X 94.4 mm)	58.4 X 34.4 X 3.7 inches (1484.5 X 873.8 X 95.3 mm)
With stand	49.2 X 31.0 X 8.9 inches (1250.6 X 789.2 X 227.6 mm)	54.1 X 33.9 X 12.9 inches (1376.5 X 862.5 X 329.7 mm)	58.4 X 36.4 X 12.9 inches (1484.5 X 926.5 X 329.8 mm)
Weight Without Stand	38.9 lbs (17.6 kg)	49.8 lbs (22.6 kg)	63.0 lbs (28.6 kg)
With Stand	44.7 lbs (20.3 kg)	59.0	