

user manual

Figures and illustrations in this User Manual are provided for reference only and may differ from actual product appearance. Product design and pecifications 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 with aspect ratios of 16:9 (the ratio of the screen width to screen height) are primarily designed to display 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 creen 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 crawls, 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 leave 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. • SAMSUNG ELECTRONICS NORTH AMERICAN LIMITED WARRANTY

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he above described warranty repairs must be performed by a SAMSUNG Authorized Service Center. Along with this Statement and the Original Limited Warranty Statement, a dated Bill of Sale as Proof of Purchase must be presented to the Service Center. Transportation to and from the Service Center is the responsibility of the purchaser or workmanship, and only those encountered in normal use of the product. Exclusions include, but are not limited to, any originally specified provisions for in-home or on-site services, minimum or maximum repair times, exchanges or replacements, accessories, options, upgrades, or consumables. For the location of a SAMSUNG Authorized Service Center, please call

- In the United States : 1-800-SAMSUNG (1-800-726-7864)

- In Canada : 1-800-SAMSUNG

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To add channels to the Added Channels list, follow these steps: 1. Select one or more channels in the All Channels list using the \blacktriangle/\lor

- buttons and the Yellow (Select) button on your remote. 2. Press the TOOLS button on your remote. The Tools menu appears.
- 3. Select Add in the Tools menu, and then press the ENTER 🖼 button.
- All deleted channels are shown on the All Channels list. You add hannels back to the Added Channels list on the All Channels list.
- A grav-colored channel indicates the channel has been deleted from ne Added Channels list.
- The Add menu option only appears for deleted channels.
- Add to Favorite /Delete from Favorite TOOLST: Lets you add channels to and delete channels from your Favorites list. To add channels to the **Favorites** list, follow these steps:
- Select one or more channels in the All Channels list using the ▲/▼ buttons and the Yellow (Select) button on your remote.
- 2. Press the TOOLS button on your remote. The Tools menu appears. 3. Select Add to Favorite in the Tools menu, and then press the ENTER 🕂 button
- To delete channels from the Favorites list, follow these steps:
- Select one or more channels in the Favorite Channels list using the ▲/▼ buttons and the Yellow (Select) button on your remote. 2. Press the TOOLS button on your remote. The Tools menu appears.
- 3. Select Delete from Favorite in the Tools menu, and then press the ENTER 🕑 button.
- Timer Viewing: You can schedule a channel to be displayed automatically at a set time, even when you are watching anothe channel. You must set the current time first in the Time > Clock function to use Time Viewing.
- To schedule a channel, follow these steps
- 1. Select a channel in the **Added Channels** list using the ▲/▼ buttons and the Yellow (Select) button on your remote 2. Press the TOOLS button on your remote. The Tools menu appears.
- 3. Select **Time Viewing** in the Tools menu, and then press the ENTER 🕒 button. The Time Viewing screen appears.



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4. Use the *◄/►* buttons to move from entry field to entry field and the $\blacktriangle/\blacksquare$ buttons to change the entries. Where numbers are displayed, you can also enter numbers directly using the number keypad on

If you select Everyday or Every Week, the date you select in the In you select everyday of every week, inthe date you select in the Date field becomes the start date for your scheduled viewing.
For Everyday, the TV will turn on every week, not the YV will turn on every week, on the same day of the week as the start date for everyweek, the TV will turn on every week, on the same day of the week as the start date date.
Select OK, and then press the ENTER E^{*} button.
Information: Display the information for a show or channel you have scheduled. You can also change the schedule Information.
Select the Programmed List icon on the left side of the Channel List screen and then press the ENTER E^{*} button. select Once, the TV will turn on once, on the date and time you

Still image warning

Avoid displaying still images (such as jpeg picture files) or still image elements (such as TV channel logos, TV shows or movies in panorama or 4:3 format, stock or news scroll bars, etc.) on the screen. The constant display of still pictures can cause ghosting or image burn-i (image retention) on the LED screen, which will affect image quality. To reduce the risk of this effect, please follow the recommendations below

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- Avoid displaying the same TV channel for long periods. • Always try to display any image in full screen mode. Use the TV's
- Reduce brightness and contrast values to the minimum required to
- achieve the desired picture quality. Values that exceed the minimum may speed up the burn-in process.
- Frequently use all TV features designed to reduce image retention and screen burn-in. Refer to proper user manual section for details.

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Customer Car Center 🖀	e 1-800-SAMSUNG (726-7864	4)	
Web Site	www.samsung.com/ca (English) www.samsung.com/ca_fr (French)	www.samsung.com/us	

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- 5. Press the ENTER 🕞 button on your remote when done.
- Solv Added Channels can be scheduled. Scheduled programs and channels are displaved in the
- Programmed List.
- Solution with the second s digital program list. If you highlight a program in the list, and then press the ENTER I (Schedule) button, you set Timer Viewing for that program directly. Channel Name Edit: Analog channels only. Lets you assign a name
- of up to five characters to an analog channel. For example, Hist, Food, Golf, etc. This makes it easier to find and select a channel. **Deselect All**: Deselect all the selected displayed channels. You can only select **Deselect All** when one or more channels are
- Select All: Select all the channels in the displayed channel list.
- Auto Program: See Auto Program under Memorizing Channels. Programmed List (on the Channel List Screen)

he **Programmed** list displays the channels and programs you have scheduled for viewing using the Time Viewing function. You can view modify, or delete a show you have scheduled using the functions on the Programmed List screen Tools menu.

Programmed List Screen Tools Menu

- **Channel List** \rightarrow **Programmed** \rightarrow **TOOLS** Change Info: Change the scheduling information for a show or
- channel vou have scheduled. change the information, follow these steps:
- 1. Select the **Programmed** List icon on the left side of the **Channel List** screen, and then press the ENTER 🖼 button. 2. On the Programmed List screen, select the show or channel entry
- you want to change, and then press the TOOLS button. The Tools Menu appears 3. Select Change Info and then press the ENTER H button. The
- 4. Use the 4/b buttons to move from entry field to entry field and the ▲/▼ buttons to change the entries. Where numbers are displayed
- you can also enter numbers directly using the number keypad on vour remote Press the ENTER 🖼 button when done.
- **Cancel Schedules**: Cancel a show or channel you have scheduled.
- To cancel a scheduled show or channel, follow these steps: 1. Select the **Programmed** List icon on the left side of the **Channel List** screen, and then press the ENTER 🗗 button.
- 2. On the **Programmed** List screen, select the show or channel entry you want to cancel, and then press the TOOLS button. The Tools
- Menu appears 3. Select Cancel Schedules, and then press the ENTER I button.
- The Cancel Schedule screen appear
- 1. Select the Programmed List icon on the left side of the Channel List screen, and then press the ENTER I button.
- On the Programmed List screen, select the show or channel entry you want information for, and then press the TOOLS button. The Tools Menu appears.
- 3. Select Information, and then press the ENTER 🕑 button. The Timer Viewing Info screen appears.
 Select Change Info and press the ENTER B button to change
- information, or select Close and press the ENTER IF button to close the Information screen.
- Select All / Deselect All: You can select or deselect all channels in the channel list

The On Screen Menus

Your TV has two kinds of menus, the Main menu and the various Tools Color Space: Auto automatically matches the range of colors (the menus. The Main menu gives you access to most or all of the menu options available on your TV. The Tools menus display a selected number of frequently used menu options that change depending on the screen you are viewing. A Tools menu symbol () in the lower right side of the screen indicates that a Tools menu is available. The Main menu has seven primary categories:

		-	
 Picture 	 Sound 	 Channel 	 Setup
Input	 Application 	 Support 	

To view the Main menu, press the MENU button on your remote. To view a Tools menu, press the TOOLS button on your remote The menu options that appear in the Main menu depend on the

Source you have selected. For example, if you have selected the HDMI source, the Channel category will not appear. To see the Channel category, you must first select TV in the Source List. The Menu options are presented below, arranged by Main menu

categories. A Tools button symbol (TOOLS,) next to an option name indicates the option is also available in one of the Tools menus.

Picture Menu

Mode TOOLS

Select your preferred picture mode. Nhen your TV is connected to a PC, you can only select Entertain

- and Standard Dynamic: Brightens the screen. Suitable for a bright room.
- Standard: Suitable for a normal room brightness Movie: Darkens the screen, making it less glary. Suitable for watching es in a darkened room
- Entertain: Sharpens the picture. Suitable for games Only available when the TV is connected to a PC.
- Backlight / Contrast / Brightness / Sharpness / Color / Tint (G/R)

Backlight: Adjusts the brightness of the screen by adjusting the

- rightness of the individual pixels Contrast: Increases or decreases the contrast between dark and light
- reas of the picture. Brightness: Adjusts the brightness of the screen. Not as effective as
- Backlight Sharpness: Sharpens or dulls the edges of objects.
- Color: Adjusts the color saturation. The higher the Color setting, the more intense the color. Low settings remove color and the picture becomes black, white, and grav.
- Tint: Adjusts the amount of green and red in the picture. As you ncrease the amount of green, the amount of red decreases and vice
- \circledast When the TV is connected to a PC, you can only make changes to Backlight, Contrast, Brightness, and Sharpness.

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.
- When your TV is connected to a PC, you can only make changes to Gamma and White Balance.

Dynamic Contrast: Adjusts the screen contrast.

- 2

Clock: Set the clock so you can use the various timer features of the

If you selected Manual:

Sleep Timer TOOLS

with all the fields, press ENTER -

90, 120, 150 and 180 minutes)

Timer 1 / Timer 2 / Timer 3

You must set the clock first.

Volume: Set the desired loudness.

your TV before you can select USB.

button. The Timer screen re-appears.

and then press the ENTER 🔫 button.

press either the ENTER I or RETURN button.

ver than USB 2.0

To cancel the Sleep Timer, select Off.

can set three different on/off timer settings.

Other Channel Menu Functions **Channel Mode**

Lets you select the channel list displayed when you press the ACHV (Channel) button on your remote. For example, if you select **Favorite Channels**, you will only see Favorite channels when you press the ∧CH∨ button.

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. If the signal is weak or distorted, fine tune the channel manually.

- Select the channel, and then select Fine Tune Fine tuned channels that have been saved are marked with an terisk "*" on the right-hand side of the channel number in the
- channel banner. To reset fine-tuning, select the channel, select Fine Tune, and then select Reset on the Fine Tune screen.

time you set will appear when you press the INFO butto

If you disconnect the power cord, you have to set the clock again.

2. Press ENTER 🛃 and select Auto or Manual, and then press

The TV will automatically download the correct time from a digital

Select Time Zone, and then press the ENTER
 ^J button. Use the ▲/▼ buttons to select your Time Zone, and then press

ENTERL⁴.
 Select DST (Daylight Savings Time), and then press ENTER ⁴. Select On if you want to turn the DST adjustment on and off manually. Select Off to turn off the DST adjustment. Select Auto if you want the TV to adjust to DST automatically. Press ENTER ⁴ when done.

DST and Time Zone function are only available when the Clock

Setup Menu

Plug & Play

Lets you re-run the Plug & Play initial setup procedure. Language

Set the menu language Choose between English, Español, and Français.

Time

Setting the Time

To set the clock, follow these steps:

1. Select Setup >Time > Clock.

ENTER 🗬 again

If you selected Auto:

Mode is set to Auto.

ENTER 🖓

Auto Volume

on the input source.

Speaker Select

sound through both.

speakers will be mute

Resets all sound settings to the factory.

Visual Impaired

Digital channels only.

Sound Reset

Because each station has its own broadcasting conditions, the

volume may fluctuate each time you change the channel. This feature

automatically adjusts the volume of a channel by lowering the sound

The SPDIF (Sony Philips Digital InterFace) outputs an uncompress

Audio Format: You can select the Digital Audio output (SPDIF)

By connecting the TV to a receiver or home theater with **Dolby**

imize your interactive 3D sound experience.

output when the modulation signal is high or by raising the sound output when the modulation signal is low.

digital audio signal when you connect the digital audio jack on the back of the TV to a digital audio in jack on a receiver or home theater.

format. The available Digital Audio output format may differ depending

Digital and 5.1ch speakers and selecting Dolby Digital, you can

Audio Delay: Lets you correct timing mismatches between the audio

track and the video when you are watching the TV and listening to digital audio output from the TV through an external device such as

an AV receiver. When you select Audio Delay, a slider appears. Us

the left and right arrow buttons to adjust the slider. Press ENTER

If you are listening to the sound track of a broadcast or movie through an

external receiver, you may hear a sound echo caused by the difference in decoding speed between the TV's speakers and the speakers attached to your audio receiver. If this occurs, set the TV to **External Speaker**.

speakers are turned off. You will hear sound through the external

speakers only. When you set Speaker Select to TV Speaker both

the TV's speakers and the external speakers are on. You will hear

When Speaker Select is set to External Speaker, the VOLUME

and MUTE buttons will not operate and the sound settings will be

If there is no video signal, both the TV's speakers and the external

Adds verbal description to the main audio to help the visually impaired

When you set Speaker Select to External Speaker, the TV's

he TV displays the best picture. ■ MPEG Noise Filter: Reduces MPEG noise to provide improved

HDMI Black Level: For HDMI signals, select the black level to adjust SPDIF Output the screen depth. Low make blacks look darker.

- vailable only in **HDMI** mode (RGB signals). Film Mode: Sets the TV to automatically sense and process film signals from all sources and adjusts the picture for optimum quality.
- Available in ATV, DTV (interlace), AV, COMPONENT (480i / 1080i) and HDMI (480i / 1080i).
- LED Clear Motion: Removes drag from fast scenes with a lot of movement to provide a clear picture.

Picture Reset

Black Tone: Selects the black level to adjust the screen depth. Darker

variety and number of colors) available to create pictures with the

slightly yellow) and the overall color of the picture looks natural

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

■ Motion Lighting: When on, the TV automatically adjusts the

R-Offset / G-Offset / B-Offset: Adjusts how dark each color (red.

R-Gain / G-Gain / B-Gain: Adjusts how bright each color (red, green,

brightness of the screen in response to the brightness of the room. In bright light, the screen brightens. In dim light, the screen dims.

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

■ Color Tone: Cool makes the picture bluer (cooler). Warm 1 and Warm

Warm1 and Warm2 are deactivated when the picture mode is set

Size: Set the size and aspect ratio of the picture on the screen. Your

cable box or satellite receiver may have its own set of screen sizes

16:9: Sets the picture to the 16:9 wide screen format.

borders on the right and left of the picture.

as well. However, we highly recommend you use the TVs 16:9 mode

Zoom1: Provides moderate magnification of the picture. Sides, top,

Zoom2: Provides larger magnification of the picture. Sides, top, and

Wide Fit: Enlarges the aspect ratio of the picture so the picture fits

4:3: Sets the picture to the old, 4:3 format and puts black or gray

Do not watch your TV in the 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 is not covered by the

HD (High Definition) has a 16:9 aspect ratio and 1080i/1080p

(1920x1080) or 720p (1280x720) resolution.
 Sou can adjust and store settings for each external device you have

The Clock Set screen appears. Use the \blacktriangle/\lor buttons to change the

directly. Use the $\triangleleft/\triangleright$ buttons to move from field to field. When done

utomatically shuts off the TV after a preset period of time. (30, 60,

Turns the TV on and off automatically at times and days you select. You

Inactivate fields for On Time and Off Time. Use the ◄/► buttons to

move from field to field. Use the $\blacktriangle \forall$ buttons to change the values in each field. To activate the timer with the setting you have chosen, set the Activate/Inactivate field to **Activate**.

Contents: To select what will be turned on when the timer setting is activated. You can set the TV to turn on a specific channel or play

back contents such as photo or audio files. Use the **∢**/▶ buttons to move to the Contents field, and then press the ENTER **⊂** button. The Contents screen appears. Use the **∢**/▶ buttons to move from

field to field. Use the \blacktriangle/ ∇ buttons to change the values in each field.

Antenna: Displays the current antenna source. Air or Cable.

- Channel: If you have selected TV, select the desired channel.

🖄 The maximum number of files the TV can display, including sub

1. Use the *◄/* buttons to move to the field under **Music** or the field

If there are no folders on your device, press the Yellow (Select) button to select the Root folder, and then press the RETURN

3. Use the \blacktriangle/∇ buttons to highlight a folder that contains music or

■ Repeat: Select Once, Everyday, Mon~Fri, Mon~Sat, Sat~Sun or

When you are finished making all your selections on the Timer screen,

Manual. If you select Manual, you can select the days you want to activate the timer by using the

4. Press the RETURN button. The Timer screen re-appears.

under **Photo**, and then press the ENTER III button. The TV displays a single folder (the Root folder) and the type or name of the device.

photos, and then press the Yellow (Select) button to select the folder.

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

folders, in one folder of a USB storage device is 20

- TV/USB: Select TV or USB. The USB device must be connected to

- Music/Photo: If you have selected USB, follow these steps to select

a folder containing MP3 (Music) or JPEG (Photo) files on the USB

On Time / Off Time: Set the hour, minute, am/pm, and Activate/

values in each field or use the number buttons to enter the values

Available only when Clock Mode is set to Manual.

connected to an input on the TV. Picture Sizes available by Input

Picture Size

16:9, Zoom1,

16:9, Wide Fit, 4:3,

Zoom2, 4:3

Screen Fit

Screen Fit: Displays the full image without any cut-off when your TV is

inputting HDMI (720p / 1080i / 1080p) or Component (1080i / 1080p)

color range of the video source. Native provides a color range wider

e blacks look darke

than the color range of the video source.

Gamma: Adjusts the primary color intensity.

Available in Standard mode only.

2 make the picture redder (warmer).

blue) is.

Picture Options

to Dynamic.

most of the time.

bottom are cut off.

the entire screen.

HD signals.

Input Source

Source are listed below:

ATV, AV, Component (480i, 480p)

DTV (1080i, 1080p), Component (1080i,

1080p), HDMI (720p, 1080i, 1080p)

and bottom are cut off.

Flesh Tone: Adjusts the amount of red in skin tones.

Resets the picture settings to their factory defaults.

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

- Available in Standard sound mode only. ■ Balance L/R: Adjusts the balance between the right and left speaker
- 100Hz / 300Hz / 1KHz / 3KHz / 10KHz (Bandwidth Adjustment): Adjusts the loudness of specific bandwidth frequencies Reset: Resets the equalizer to its default settings.

DTS TruSurround

- Available in Standard sound mode only. DTS TruSurround is a patented DTS technology that solves the problem
- delivers a compelling, virtual surround sound experience through any wo-speaker playback system, including internal television speakers. It fully compatible with all multichannel formats

Preferred Language

Digital channels only Digital-TV broadcasts can transmit many audio tracks simultaneously (for example, simultaneous translations of a program into foreign languages). Nou can only select a language from among the ones being

Multi-Track Sound

broadcast.

- Analog channels only.
- 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
- SAP: Select 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.

Other Features

Game Mode

- When you connect a game console such as a PlayStation™ or Xbox™ to your TV, you can enjoy a more realistic gaming experience by turning on the Game Mode function. Security Security
- Before you disconnect the game console and connect another external device, set Game Mode to Off in the setup menu If you display the TV menu in Game Mode, the screen shakes
- Game Mode is not available when the input source is set to TV. • After connecting the game console, set Game Mode to On. You may notice slightly reduced picture quality.

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. To access the **Program Rating Lock** feature and make any changes, you must enter a PIN (personal identification number). To vatch a blocked program, you must also enter the same PIN. Section 2012 Program Rating Lock is not available in HDMI or Component
- S The default PIN number of a new TV set is "0-0-0-0". You can set your own PIN using the Change PIN function

How It Works When you access the **Program Rating Lock** Menu functions for the first time, the PIN input screen appears. Enter 0-0-0-0. The PIN screen closes and the **Program Rating Lock** Menu appears. Every time you ess the Program Rating Lock functions, the PIN screen will appea

- and you must enter a PIN. When the **Program Rating Lock** screen appears, select **Program Rating Lock**, and then press ENTER . Select **On**, and then press the ENTER 🖃 key again. Depending on what type of programs or movies the options on the screen, and the press the ENTER 🖃 button. The options are listed below:
- TV Parental Guidelines: You can block TV programs based on their atings. This function allows you to control what your children are MPAA Rating: You can block movies based on their MPAA ratings
- The Motion Picture Association of America (MPAA) has implemente a rating system that provides parents or guardians with advanced nation on which films are appropriate for children. Canadian English: You can block TV programs based on their
- glophone Canadian ratings Canadian French: You can block TV programs based on their French
- Downloadable U.S. Rating: You can use parental restriction information while watching DTV channels.

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. The TV Parental Guidelines option also has kinds of content listed across the top: ALL: Lock all TV ratings. / FV: Fantasy violence / V: Violence / S: Sexual situation / L: Adult Language D: Sexually Suggestive Dialog.
- To lock/block movies or shows with certain ratings and/or kinds of content, click the square next to the rating and/or under the kind of content. A lock appears. To unlock/unblock, click the square again When you click a low rating, all the ratings above it will also display fou can also Allow All or Lock All. When done, press the RETURN lav locks button on vour remote.

■ Change PIN: The Change PIN screen will appear. Choose any 4 digits for your PIN and enter them in Enter New PIN fields. Re-enter the same 4 digits in Confirm New PIN fields. When the Change PIN en disappears, press the OK button. The TV has memorized you

- If you forget the PIN, press the remote-control buttons in the ollowing sequence, which resets the pin to "0-0-0" : POWER (off) \rightarrow MUTE \rightarrow 8 \rightarrow 2 \rightarrow 4 \rightarrow POWER (on)
- Caption

(On-Screen Text Dialogue)

- 3 -

- Caption: You can switch the caption function on or off. If captions are not available, they will not be displayed on the screen Solution The Caption feature does not work in Component or HDMI mode.
- **Caption Mode:** You can select the desired caption mode. Default / CC1~CC4 / Text1~Text4: (analog channels only) The Analog Caption function operates in either analog TV channel mode
 - or when a signal is supplied from an external device to the TV. (Depending on the broadcasting signal, the Analog Caption function may or may not work with digital channels.) Default / Service1 ~ Service6 / CC1 ~ CC4 / Text1 ~ Text4: (Digital
- channels only) The Digital Captions function works with digital Service1~6 may not be available in digital caption mode depending n the broadcast.
- Digital Caption Options: (Digital channels only) Size: Options include Default, Small, Standard and Large. The default
- Font Style: Options include Default and Styles 0 to 7. The default is Foreground Color: Options include Default, White, Black, Red
- een, Blue, Yellow, Magenta and Cyan. You can change the color of the letters. The default is White. Background Color: Options include Default, White, Black, Red,
- Green, Blue, Yellow, Magenta and Cyan. You can change the Foreground Opacity: This adjusts the opacity of text. Options include Default, Transparent, Translucent, Solid and Flashing.
- Background Opacity: This adjusts the opacity of the caption background. Options include Default, Transparent, Translucent, Solid and Elashing
- Return to Default: This option sets each Size, Font Style, Foreground Color, Background Color, Foreground Opacity and Background Opacity to its default.
- Digital Caption Options are available only when you can select Default and Service1 ~ Service6 in Caption Mode.
- S The Foreground and Background cannot be set to the same color. Melody
- Set so that a melody plays when the TV is turned on or off.
- 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.

Channel Menu

Memorizing Channels

If you are not using a cable box or satellite box, when you first set up your TV using **Plug & Play**, the TV memorized the channels that were variable over the air or through your cable system and added them to the **Channel List**. The **Antenna** and **Auto program** functions described elow let you re-run the channel memorization function without having to e-run the Plug & Play procedure.

Managing Channels

essing the ENTER 🗬 button

6-1 ♥TV #6

♥ TV #9

Air 🛛 Zoom 🔳 Select 🞜 Tools 🕨 Next Progr

scheduled using Timer Viewing.

lcons

icon using the ▲/▼ buttons to view each list.

function to the channels you selected.

menus may differ depending on the situation.)

Display Icons Used in the Channel List Screens

A program currently being broadcast.

The Channel List Tools menu contains most of the functions you can use

view, select a list screen, select a channel, and then press the TOOLS

Add / Delete: Delete a channel from or add a channel to the Added

To delete channels from the Added Channels list, follow these steps:

1. Select one or more channels in the Added Channels list using the

3. Select Delete in the Tools menu, and then press the ENTER

MEDIA.

▲/▼ buttons and the Yellow (Select) button on your remot 2. Press the TOOLS button on your remote. The Tools menu appears

on the All Channel, Added Channels, and Favorite List screens

• • (Next Program): Displays next programs.

A selected channel.

A reserved program

A Favorite channel.

 \bigcirc Channel List \rightarrow TOOLS

/ledia Play

Turn on your T\

□ Connecting a USB Device

Using the Media Play Menu

press the ENTER 🚭 button.

open Media Play in the Menu, follow these steps

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

nnecting your device to th

esponsible for any data file damage or data loss.

• Do not disconnect the USB device while it is loading.

• The higher the resolution of the image, the longer it takes to

The TV cannot play MP3 files with DRM that have been downloaded from a for-pay site. Digital Rights Management

If a file is corrupted or the TV does not support the file type, the "Not Supported File Format" message appears.

(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 interest

of content providers, preventing illegal copying of contents, and

Protection Time, the Screensaver will run.
The power-saving mode of some external hard disk drives may be

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

2013-07-30 11:34:01

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

If an over-power warning message is displayed while you are connecting or using a USB device, the device may not be

released automatically when you connect them to the TV.

recognized or may malfunction. • If the TV has no input during the time period set in Auto

Supported file systems are FAT and NTFS.

port. USB HDD is not supported.

managing billing and settlements.

• PTP devices are not supported.

the connection.

be supported.

display on the screen.

2. Connect a USB device containing photo, music, and/or movie files to

he USB jack on the back of the TV. A pop up window appears.

3. Press the MEDIA.P button on your remote. The Media Play menu

1. Application on the left, and then press the ENTER 🔫 button.

2. Press the ▲ or ▼ button to select Media Play (USB), and then

Press the ◄ or ➤ button to select an icon (Videos, Music, Photos, Settings), and then press the ENTER button.

Certain types of USB Digital camera and audio devices may not be compatible with this TV.

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

to protect them from damage or loss of data. SAMSUNG is not

• A USB device that requires high power (more than 0.5A) may not

Media Play only supports USB Mass Storage Class (MSC)

Media Play might not work properly with unlicensed multimedia

See your list of Added channels, Favorite channels, or channels you've scheduled for viewing. Add or delete Favorite channels, add or delete

channels from the Added Channels list, schedule channels or programs

If you use a cable box or satellite box, you cannot use the Channel

for viewing. Select a channel to watch on the All Channels, Added Channels, or Favorite screen by pressing the ▲/▼ buttons, and then

Channel List Screens icons are listed on the left side. Select an

■ 🦓 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

Programmed: Shows all channels and programs currently

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

• ቭ (Tools): Displays the Channel List Tools menu. (The Tools

button to select the channel. A \checkmark mark appears. Repeat to select additional channels. Then, open the Tools menu and apply a

Meaning

channels that appear when you press the CH button.

Channel List

List functions

Antenna (Switch to Cable / Switch to Air TOOLST) Before your television can memorize the available channels, you must select your TV's signal source, **Air** (using an antenna) or **Cable**. Select

- Menu > Channel > Antenna > Air or Cable. After you have selected the signal source, go on to the Auto Program function. Selecting the signal source using the Antenna function also determines the signal source the TV is tuned to. For example, if you receive your TV signal over the air, and you select Cable, you will
- see only snow. You must select **Air** to see a picture. 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** If your TV is connected to a cable box or satellite box, you do not need to run **Auto Program**. You will use the tuner in the box, not the tuner in the TV, to select channels.
- To start Auto Program, follow these steps
- 1. Push MENU → Channel → Auto Program → ENTER → on your ♥ Favorite: Shows all favorite channels. remote. The Antenna Source screen appea 2. On the Antenna Source screen, select the source of your TV signal.
- If your TV is connected to an antenna choose Air, and then press ENTER I. The TV will automatically start memorizing channels.

Cable

- If your TV is connected to a cable outlet, choose **Cable**, and then press ENTER . Go to Step 3.
- Auto If you choose Auto, and then press ENTER I, the TV will
- automatically select the correct Antenna source. Go to Step 3.
- 3. On the Cable Type screen, use the $\triangleleft/ \land \land \lor$ buttons to select the
- type of digital and analog cable systems you have: STD, HRC, or IRC. Most systems are STD (Standard). When done, select Start, and then press ENTER . The TV will start memorizing channels Schannel memorization can take up to 45 minutes, depending on
- vour cable system. Memorized channels are added to the Added Channels list. These are the channels you will see when you use the Channel buttons on **The Channel List Tools Menu** vour remote

Clear Scrambled Channel

This function filters out scrambled channels after **Auto Program** is completed. This process may take 20~30 minutes. Press the ENTER I button to stop Clear Scrambled Channel This function is only available in Cable mode

Eco Solution

- Energy Saving : Lets you adjust the brightness of the TV to reduce bower consumption. If you select **Picture Off**, the screen is turned off, Enjoy photos, music and/or movie files saved on a but the sound remains on. Press any button except the volume button USB Mass Storage Class (MSC) device. to turn on the screen.
- No Signal Power Off: Sets how quickly the TV switches to standby node if no picture is being received. Disabled when an attached PC is in power saving mode.
- Auto Power Off: The TV will automatically turn off when no user operation is detected for 4 hours.

Auto Protection Time

If a still image remains on the screen for an amount of time you define. he screen saver is activated to prevent the formation of ghost images on the screen

Support Menu

Self Diagnosis

option.

Software Upgrade

HD Connection Guide

Contact Samsung

- Picture Test: Use to check for picture problems. If the problem appears in the test picture, select Yes and follow the directions on the screer
- Sound Test: Use the built-in melody to check for sound problems If the problem occurs during the test, select **Yes** and follow the directions on the screen.
- Signal Strength: (Digital channels only) An HD channel's reception quality is either perfect or the channels are unavailable. Adjust your

Software Upgrade can be performed by downloading the latest

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

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

nware from samsung.com to a USB memory device

centers and how to download products and software.

- antenna to increase signal strength. Reset: Reset all settings to the factory defaults.
- The PIN input screen appears before the setup screer Senter your 4-digit PIN. Change the PIN using the Change PIN

 If a file you deleted from the 	PC is still found	when you run Media	 Suppor 	ted Video	Formats					
Play , use the "Empty the Recycle Bin" function on the PC to permanently delete the file.		File Extension	Container	Video Codec	Resolution	Frame rate (fps)	Bit rate (Mbps)	Audio Codec		
Photos only supports the sequential jpeg format.				Divx3.11/4.x/	1920x1080	6~30	30Mbps			
 The Videos option does not thumbnail functions. 	e Videos option does not support the scene search and				5.1/6.0 H264	1920x1080	6~30	30Mbps	MP3 /	
 If the number of files and folders saved on a USB storage device is over approximately 4000, the files and folders may not appear and 		USB storage device is	*.mp4	MP4	AVC	1920x1080	6~30	30Mbps	ADPCM / AAC	
					MJPEG	640x480	6~30	10Mbps		
some folders may not open		and the second second			Divx3.11/4.x/	1920x1080	6~30	30Mbps	"MP3 /	
 The maximum number of file folders, in one folder of a US 			"*.avi	"AVI	5.1/6.0 MPEG4 SP/	1920x1080	6~30		AC3 / LPCM /	
 The media may not play sm 			*.mkv"	MKV"	ASP			30Mbps	ADPCM	
lower than USB 2.0.					H264 MJPEG	1920x1080 640x480	6~30 6~30	30Mbps 10Mbps	/ DTS Core"	
Videos					Divx	0408400	0~30	TOMOPS	"MP3 /	
1. In the Media Play menu, press	the 🛋 or 🕨 but	ton to select Videos			3.11/4.x/ 5.1/6.0	1920x1080	6~30	30Mbps	AC3 / LPCM /	
and then press the ENTER		101110 301001 110003,	"*.asf *.wmv"	ASF	MPEG4 SP/	1920x1080	6~30	30Mbps	ADPCM	
2. Press the ▶/▲/▼ buttons t</td <td>o select a video i</td> <td>n the file list.</td> <td></td> <td></td> <td>ASP</td> <td></td> <td></td> <td></td> <td>/ WMA / WMA</td>	o select a video i	n the file list.			ASP				/ WMA / WMA	
3. Press the ENTER 🛃 button of					H.264	1920x1080	6~30	30Mbps	Pro" AC3 /	
- The file name is displayed on	the top of the so	creen with the playing	"*.ts *.trp		MPEG2	1920x1080	6~30	30Mbps	AAC /	
time. - If video time information is ur	known plaving t	ime and the progress	*.tp	TS	H. 264 BP/ MP/HP	1920x1080	6~30	30Mbps	MP3 / DD+ /	
bar are not displayed.	iki lowi i, piaying i	ine and the progress	*.m2ts"						HE-AAC	
- During video playback, you c	an search using	the ◀ and 🕨	"*.dat *.mpg		MPEG1	1920x1080	24/25/30	30Mbps	AC3 / MPEG /	
buttons.	1		*.mpeg	PS	MPEG2 H. 264 BP/	1920x1080	24/25/30	30Mbps	LPCM /	
In this mode, you can play mo cannot play the game itself.	vie clips contain	ed in a game, but you	".vob"		MP/HP	1920x1080	6~30	30Mbps	AAC	
 Supported Subtitle Formats 			*.3gp 3GPP ASP 192		1920x1080	6~30	30Mbps	MP3		
- External			.ogp	ourr	H.264	1920x1080	6~30	30Mbps		
Name	F	ile extension	* 0	flash	H.264	1920x1080	6~30	30Mbps	MDO	
MPEG-4 timed text		.ttxt	*.flv	formats	Sorenson H.263	1920x1080	6~30	30Mbps	MP3	
SAMI		.smi	Others	Destrict						
SubRip		.srt		Restric						
SubViewer		.sub	 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/ 							
Micro DVD		.sub or .txt								
SubStation Alpha			frame rate above the compatible Frame/sec listed in the Supported Video Formats table. If the Index Table contains an error, the Seek (Jump) function will not							
Advanced SubStation Alph										
- Internal			 If the in work. 	dex lable	contains an	error, the S	eek (Jum	p) function	will not	
Name	Container	Format		enu may ta	ake longer to	appear if th	ne video's	bit rate ex	ceeds	
Xsub	AVI	Picture Format	10Mbp			16.11.			C1.	
SubStation Alpha	MKV	Text Format			ay not be pla	y if there is	too much	i content ir	n one file.	
Advanced SubStation Alpha	MKV	Text Format	Video De	coder						
			0		004 Laural 4					
SubRip	MKV	Text Format			264, Level 4) / RS, VC1 {		PI4 and		ra not	
MPEG-4 Timed text	MP4	Text Format	supporte		77 60, 101 1		F L4 anu	AVOI ID ai	enot	
				SP, ASP :						
					20: 60 frame					
					20: 30 frame	max				
				not supp						
			GMC is	not suppo	ort.					

Audio Decoder

Supports up to WMA7, 8, 9 STD, 9 PRO, and 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.

If the TV is connected to a cable box, reset the cable box. (Disconnect and then reconnect the box's AC cord and wait unti the cable box reboots. It may take up to 20 minutes.)

Music

- 2. Press the $\langle \rangle / \langle \rangle$ buttons to select the desired Music in the file
- 3. Press the ENTER 🚭 button or 🕨 (Play) button. Suring music playback, you can search using the </i>
 ✓ buttons.
 ✓ (REW) and ► (FF) buttons do not function during play.
- Media Play only displays files with MP3 file extensions. Other file extensions are not displayed, even if they are saved on the same USB device.
- If the sound is abnormal when plaving MP3 files, adjust the Equalizer in the Sound menu. (An over-modulated MP3 file may cause a sound problem.)

Photos

1. In the Media Play menu,, press the ◄ or ► button to select Photos, then press the ENTER + button.

- 2. Press the $\langle \rangle / \langle \rangle$ buttons to select a photo in the file list. 3. 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 (I ← I) (REW) or (I→) (FF) button. • You can move to other files using the ◄ or ► button.
- · Media Play can play Music files automatically during a Slide Show Background Music is set to On.
 You cannot change the Mode in Background Music until the Background Music file has finished loading.

Base-line

Progressive

1. On the File List screen, highlight a file, and then press the Yellow

• CMYK and YCCK color space JPEGs are not supported.

Playing selected video/music/photo files

Supported Photo Formats Image Photo Resolution

JPEG

Other Restrictions

Playing Multiple Files

button on your remote. 2. Repeat Step 1 to select multiple files.

NOTE

Media Play - Additional Functions Videos/Music/Photos Play Option menus

Category	Operation	Videos	Music	Photos
Title	You can select another video file to play directly.	\checkmark		
Repeat Mode	You can play movie and music files repeatedly.	\checkmark	\checkmark	
Picture Size	You can adjust the picture size to your preference.	\checkmark		
Picture Mode	You can adjust the picture setting.	\checkmark		\checkmark
Sound Mode	You can adjust the sound setting.	\checkmark	\checkmark	\checkmark
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.	\checkmark		
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.			\checkmark
Background Music	You can set and select background music when watching a Slide Show.			~
Zoom	You can zoom into images in full screen mode.			\checkmark
Rotate	You can rotate images in full screen mode.			\checkmark
Information	You can see detailed information about the played file.	\checkmark	\checkmark	~

Using the Setup Menu

Settings

- DivX® Video On Demand : Shows the registration code authorized for the TV. If you connect to the DivX web site and register with the 10-digit registration code, you can download the VOD activation file. Once you run the file using Media Play, the registration is completed. S For more information on DivX® VOD, visit "http://vod.divx.com".

• A \checkmark mark appears to the left of the selected files.

15360 x 8704

1024 x 768

- 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. 3. Press the TOOLS button, select Play Selected Contents, and then press the ENTER 🚭 button.
- Playing a video/music/photo folder

1. With the folders on your USB device displayed, use the ◄/►/▲/▼

TV is tilted to the right or left side.

The Channel menu is greyed out

Your settings are lost after 30 minutes or every time the TV is turned off.

You have intermittent loss of audio or video.

(unavailable).

buttons to highlight a folder. 2. Press the TOOLS button, select Play Folder, and then press the ENTER 🗗 button.

■ Information: Select to view information about the connected USB Other Information

Installing the Wall Mount Kit

The wall mount kit (sold separately) allows you to mount the TV on the For detailed information about installing the wall mount, see the instructions provided with the wall mount kit. 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. If you are attaching the wall mount to a wall made of building materials other than drywall, please contact your nearest dealer for information about the appropriate mounting hardware. If you install the TV on a ceiling or slanted wall, it may fall and result in severe personal injury.

- 10

ne Channel menu is only available when you select the TV source.

Remove the stand base from the TV and reassemble in

Check the cable connections and reconnect them.

"his is part of the product's design and is not a defect

Output

Body

With stand

Weight

With Stand

Select Home Use under Plug & Play mode. For details, refer to Plug & Play (Initial Setup). 🖏 This TFT LED panel uses a panel consisting of sub pixels which require sophisticated technology to produce. However, there may be a few bright or dark pixels on the screen. These pixels will have no impact on the performance of the product. You can watch detailed troubleshooting videos at www.samsung.com/spsn. Some functions and pictures shown in this manual are available on specific models only. Sour TV in optimum condition by upgrading it with the latest firmware from the Samsung web site (samsung.com → Support). To upgrade, download the firmware to your computer, copy the firmware file to a USB memory stick, insert the USB memory stick into the TV's USB slot, and then select Support > Software Upgrade in the TV's menu. 🔊 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 o not spray water directly onto the Clean the product with a soft cloth product. Any liquid that goes into the dampened with in a small amount of water. AR I Do not use a flammable liquid (e.g. benzene, thinners) or a cleaning agent. product may cause a failure, fire, or electric

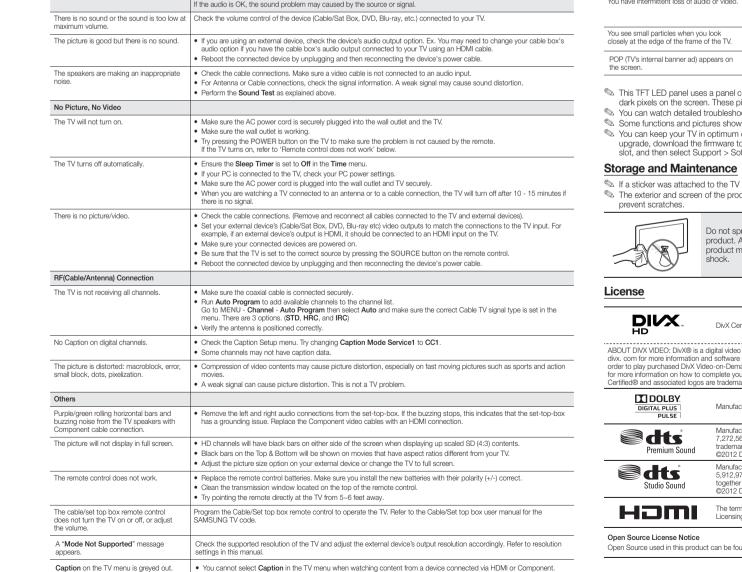


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Contraction Sound	Manufactured under a license from U.S. Patent No's: 6,285,767, 8,027,477, 5,319,713, 5,333,201, 5,638,452, 5,771,295, 5,970,152, 5,912,976, 7,200,236, 7,492,907, 8,050,434, 7,720,240, 7,031,474, 7,907,736 and 7,764,802. DTS, the Symbol, and DTS and the Symbol together are registered trademarks & DTS studio Sound is a trademark of DTS, Inc. ©2012 DTS, Inc. All Rights Reserved.

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



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This function is only available for digital channels received through an Antenna/RF/Coax connection

· Caption must be activated on the external device.

This smell is normal and will dissipate over time.

There is a plastic smell from the TV.

TV Signal Strength is unavailable in the Self Diagnosis Test menu.

۲

Problem

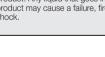
Sound Problen

When changing channels, the picture freezes or is distorted or delayed.

Possible Solution

Set the output resolution of the cable box to 1080i or 720p.

Perform the Sound Test to confirm your TV's audio is working properly. (Go to MENU - Support - Self Diagnosis - Sound Test)



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.

Kensington Lock

beside the "🗟" icon.

Display Modes (HDMI/DVI Input)

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

Please find a "R" icon on the rear of the TV. The Kensington slot is

Solution and color may differ depending on the model.

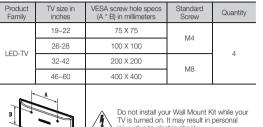
Screws that are too long may cause damage to the inside of the

 For wall mounts that do not comply with the VESA standard screw Optimal resolution: 1920 x 1080@60Hz 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



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 described below

To prevent the TV from falling

TV Holder kits are sold separately. To purchase a TV Holder kit,

contact Samsung Customer Care.
 Insert the screws into the wall brackets and firmly fasten them to the wall. Make sure the screws are firmly fixed to the wall.

Ne strongly recommend you drive the screws into a stud. Insert the screws through the TV brackets, and then fasten the screws to the top VESA screw holes on the back of the TV. 3. Connect the brackets on the TV and the brackets on the wall with a

strong string or cable, and then tie the string or cable tightly to the brackets Solution 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 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.

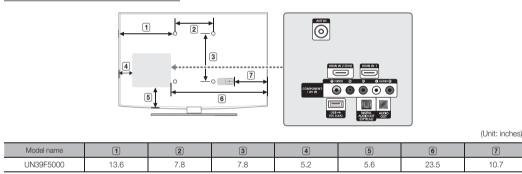
Troubleshooting

If the TV seems to have a problem, first review this list of possible problems and solutions. 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

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. Using your remote, follow the steps below to turn these features off or on. • Energy Saving : 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 test on the TV to make sure there are no device issues. Self Diagnosis : MENU → Support → Self Diagnosis → Picture Test If the test is ok, try making sure: 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 Pi jack on the TV, etc.
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. Backlight, Contrast, Brightness, Sharpness, Color, Tint (G/R) and so on. Go to "Picture" on the User 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. First make sure your Sleep Timer is not accidentally set. The Sleep Time 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. • Sleep Timer : 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 : MENU → Setup → Eco Solution → No Signal Power Off • Auto Power Off : 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. 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. 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 info data, the problem is caused by the box.
Stand Assembly	If you have any trouble assembling the stand, refer to "Install the Stand" in the Start Up or Stand Installation Guide.
Cannot find channel	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.
The TV image does not look as good as it did in the store.	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 running Auto program. Samy HD channels broadcast SD contents upscaled to HD. The picture quality of upscaled SD content is low. Adjust the Cable/Set top box video output resolution to 1080i or 720p.
The picture is distorted: macroblock error, small block, dots, pixelization.	 Compression of video contents may cause picture distortion, especially on fast moving pictures such as pictures from 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.	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.	Adjust the Picture options in the TV menu. (Go to Picture Mode / Color / Brightness / Sharpness) Adjust the 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)
There is a dotted line on the edge of the screen.	If the picture size is set to Screen Fit, change it to 16:9. Change the cable/satellite box resolution.
The picture is black and white.	If you are using an AV composite input, connect the video cable (yellow) to the Green jack of Component input 1 on the TV.

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JACK PANEL DETAIL / REAR VIEW



NOTE: All drawings are not necessarily to scale. Some dimensions are subject to change without prior notice. Refer to the dimensions prior to performing installation of your TV. Not responsible for typographical or printed errors. © 2013 Samsung Electronics America, Inc

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oduct uses some software programs which are distributed under the Independent JPEG Group.	
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Specifications	
Environmental Considerations Operating Temperature Operating Humidity Storage Temperature Storage Humidity	50°F to 104°F (10°C to 40°C) 10% to 80%, non-condensing -4°F to 113°F (-20°C to 45°C) 5% to 95%, non-condensing
Model Name	UN39FH5000
Display Resolution	1920 x 1080
Screen Size (Diagonal)	39° Class (38.5° measured diagonally)

	10W x 2
ns (W x H x D)	
1	35.2 X 20.9 X 3.6 inches (895.9 X 532.5 X 93.2 (mm)) 35.2 X 23.2 X 8.9 inches (895.9 X 589.3 X 227.6 (mm))
tand d	17.1 lbs (7.8 kg) 21.6 lbs (9.8 kg)

Design and specifications are subject to change without prior notice. This device is a Class B digital apparatus.

🧏 For information about your TV's power requirements and more about power consumption, refer to the label attached to the product. 🖄 Typical power consumption is measured according to Energy Star Program requirements for televisions.

Dispose unwanted electronics through an approved recycler. To find the nearest recycling location, go to our website: www.samsung.com/

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