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.

Television Format Viewing

See the warranty card for more information on warranty

screen width to height) are primarily designed to view wide screen fill the screen if your model offers this feature and the images are constantly moving. Displaying stationary graphics and images or format television video and programming, should be limited to no more than 5% of the total television viewing per week. Additionally, reports, video game displays, station logos, web sites or computer graphics and patterns, should be limited as described above for all televisions. Displaying stationary images that exceed the above guidelines can cause uneven aging of LED Displays that 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,

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Subject to the requirements, conditions, exclusions and limitations of the original Limited Warranty supplied with Samsung Electronics (SAMSUNG) products, and the requirements, conditions, exclusions and limitations contained herein, SAMSUNG will additionally provide Warranty Repair Service in the United States on SAMSUNG products purchased in Canada, and in Canada on SAMSUNG products purchased in the United States, for the warranty period originally specified, and to the Original Purchaser only.

SAMSUNG Authorized Service Center, Along with this Statement the Original Limited Warranty Statement and a dated Bill of Sale as Proof of Purchase must be presented to the Service Center



the purchaser. Conditions covered are limited only to manufacturing in normal use of the product. Excluded, but not limited to, are any originally specified provisions for, in-home or on-site services, ninimum or maximum repair times, exchanges or replacements, accessories, options, upgrades, or consumables. For the location of a SAMSUNG Authorized Service Center, please call toll-free:

ransportation to and from the Service Center is the responsibility of

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

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-in (image retention) on the LED screen, which will affect image quality. To reduce the risk of this effect, please follow the recommendations below:

- Avoid displaying the same TV channel for long periods
- Always try to display any image in full screen mode. Use the TV's Picture Options menu to select the optimal screen size.
- 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

Contact SAMSUNG WORLDWIDE

ntact the SAMSUNG customer care cent

Country	CANADA	U.S.A.	
Address	Samsung Electronics Canada Inc., Customer Service 55 Standish Court Mississauga, Ontario L5R 4B2 Canada	Samsung Electronics America, Inc. 85 Challenger Road Ridgefield Park, NJ 07	
Customer Care Center 🕿	1-800-SAMSUNG(726-7864)		
Web Site	www.samsung.com/ca (English) www.samsung.com/ca_fr (French)	www.samsung.com	

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If you select Everyday or Every Week, the date you

select in the Date field becomes the start date for your

scheduled viewing. For Everyday, the TV will turn on

every day, at the time you selected, starting from that

date. For Everyweek, the TV will turn on every week,

selected, at the time you selected, from that day on. If

you select **Once**, the TV will turn on once, on the date

on the same day of the week as the start date you

5. Press the ENTER button on your remote when done.

Scheduled programs and channels are displayed in the

When you select a digital channel, press the ▶ button to

you set Timer Viewing for that program directly.

■ Deselect All: Deselect all the selected displayed channels.

view the digital program list. If you highlight a program in

the list, and then press the ENTER (Schedule) button,

Only Added Channels can be scheduled

Programmed List.

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

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. The Tools menus display a selected number of frequently used menu options that change ending on the screen you are viewing. A Tools menu symbo (元) in the lower right side of the screen indicates that a Tools menu

Color Space (Auto / Native): Auto automatically matches the is available.

The Main menu has seven primary categories:

- Picture Input Sound Application
- Channel 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

Picture Menu

Setup

Mode TOOLS₽

Color / Tint (G/R)

Select your preferred picture mode

- $\ensuremath{\,^{\odot}}$ When 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.
- Movie: Darkens the screen, making it less glary. Suitable for watching movies 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 /

■ Backlight: Adjusts the brightness of the screen by adjusting the brightness of the individual pixels.

- Contrast: Increases or decreases the contrast between dark and light areas 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 gray.
- Tint: Adjusts the amount of green and red in the picture. As you increase the amount of green, the amount of red decreases and vice versa.

When the TV is connected to a PC, you can only make changes to Backlight, Contrast, Brightness, and

Advanced Settings vailable 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.
- range of colors available to create pictures to the color range of the video source. Native provides a color range wider than the color range of the video source. ■ White Balance: Adjusts the color temperature of the picture so
- that white objects look white (instead of, for example, slightly pink or slightly yellow) and the overall color of the picture looks
- R-Offset / G-Offset / B-Offset: Adjusts each color's (red. areen, blue) darknes
- R-Gain / G-Gain / B-Gain: Adjusts each color's (red, green, blue) brightness
- Reset: Resets the White Balance to it's default settings.
- Gamma: Adjusts the primary color intensity. ■ Dynamic Contrast (Off / Low / Medium / High): Adjusts the
- Black Tone (Off / Dark / Darker / Darkest): Selects the black level to adjust the screen depth. Darker settings make blacks
- look darker. ■ Flesh Tone: Adjusts the amount of red in skin tones.
- Motion Lighting (Off / On): When on, the TV automatically adjusts the brightness of the screen in response to the brightness of the room. In bright light, the screen brightens. In lim light, the screen dims.

Available in Standard mode only. **Picture Options**

- 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 / Standard / Warm1 / Warm2): Cool makes the picture bluer (cooler). Warm 1 and Warm 2 make the picture redder (warmer).
- Warm1 and Warm2 are deactivated when the picture mode is set to **Dynamic**
- 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 as well. However, we highly recommend you use

the TVs 16:9 mode most of the time. 16:9: Sets the picture to the 16:9 wide screen format. Zoom1: Provides moderate magnification of the picture. Sides,

top, and bottom are cut off. Zoom2: Provides larger magnification of the picture. Sides, top,

Wide Fit: Enlarges the aspect ratio of the picture so the picture fits the entire screen. 4:3: Sets the picture to the old, 4:3 format and puts black or gray

borders on the right and left of the picture. 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 warranty Screen Fit: Displays the full image without any cut-off when your TV is inputting HDMI (720p / 1080i / 1080p) or Component

(1080i / 1080p) HD signals. HD (High Definition) has a 16:9 aspect ratio and 1080i/1080p 1920x1080) or 720p (1280x720) resolution.

You can adjust and store settings for each external device you have connected to an input on the TV. Picture Sizes available

by Input Source are listed below:

To set the clock, follow these steps:

If you selected Auto

digital channel.

- press ENTER 4. • Select DST (Daylight Savings Time), and then press ENTER . Select On if you want to turn the DST
- to DST automatically. Press ENTER when done. ST and Time Zone function are only available when

the Clock Mode is set to Auto.

Channel Mode (Added Channels/Favorite

You can only select **Deselect All** when one or more **^CH∨** (Channel) button on your remote. For example, if you ■ Channel Name Edit: Analog channels only. Lets you assign a ame of up to five characters to an analog channel. For example you press the **∧CH∨** button Hist, Food, Golf, etc. This makes it easier to find and select a

■ Auto Program: See Auto Program under Memorizing Channels

Programmed List (on the Channel List Screen) The **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 TOOLS 和

automatically at a set time, even when you are watching another Change Info: Change the scheduling information for a show or

channel you have scheduled. To 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 4 button. The **Time Viewing** screen appears.
- 4. Use the **◄/▶** 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 your remote.
- 5. 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 button. The Cancel Schedule screen appears.
- 4. Select **OK**, and then press the **ENTER** dutton.

■ 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 button.

- 2. 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 **Time Viewing** Information screen appears.
- 4. Select Change Info and press the ENTER button to change information, or select **Close** and press the ENTER button to close the Information screen. ■ Select All / Deselect All: You can select or deselect all

channels in the channel list. ☐ Other Channel Menu Functions

Lets you select the channel list displayed when you press the select Favorite Channels, you will only see Favorite channels when

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 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.

Setup Menu

Plug & Play

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

Language Set the menu language.

Choose between English, Español, and Français.

□ Setting the Time

- The time you set will appear when you press the INFO ■ Clock: Set the clock so you can use the various timer features
- of the TV. If you disconnect the power cord, you have to set the clock again.

. Select Setup >Time > Clock.

- 2. Press ENTER and select Auto or Manual, and then press ENTER 4 again.
- The TV will automatically download the correct time from a
- Select Time Zone, and then press the ENTER button. Use the ▲/▼ buttons to select your **Time Zone**, and then
- adjustment on and off manually. Select Off to turn off the DST adjustment. Select Auto if you want the TV to adjust

If you selected Manual:

The Clock Set screen appears. Use the ▲/▼ buttons to change the values in each field or use the number buttons to enter the values directly. Use the **◄/▶** buttons to move from field to field. When done with all the fields, press ENTER 4. Available only when Clock Mode is set to Manual.

■ Sleep Timer TOOLS □

Activate

Automatically shuts off the TV after a preset period of time. (30, 60, 90, 120, 150 and 180 minutes).

To cancel the Sleep Timer, select Off.

Timer 1 / Timer 2 / Timer 3 Turns the TV on and off automatically at times and days you select. You can set three different on/off timer settings.

You must set the clock first. ■ On Time / Off Time: Set the hour, minute, am/pm, and Activate/Inactivate fields for the **On Time** and **Off Time**. Use the ◄/▶ buttons to move from field to field. Use the ▲/▼ buttons to change the values in each field. To activate the timer with the setting you have chosen, set the Activate/Inactivate field to

■ Volume: Set the desired loudness. ■ 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 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 ▲/▼ buttons to change the values in each field. - TV/USB: Select TV or USB. The USB device must be
- connected to your TV before you can select USB. - Antenna: Displays the current antenna source, Air or Cable - Channel: If you have selected TV, select the desired channel.
- Music/Photo: If you have selected USB, follow these steps to select a folder containing MP3 (Music) or JPEG (Photo) files on the USB device: The maximum displayed number of files, including sub folders, in one folder of USB storage device is 2000.

The media may not be playing smoothly when using the

device lower than USB 2.0. 1. Use the **◄/▶** buttons to move to the field under **Music** or the field under Photo, and then press the ENTER button. The TV displays a single folder (the Root folder) and the type or name of the device.

Picture Size Input Source $16\text{:}9,\,Zoom1,\,Zoom2,$ ATV. AV. Component (480i, 480p) 16:9, Wide Fit, 4:3, DTV (1080i, 1080p), Component (1080i,

- 1080p), HDMI (720p, 1080i, 1080p) ■ Digital Noise Filter (Off / Low / Medium / High / Auto) : If the the Digital Noise Filter feature to reduce any static and ghosting
- Multi-Track Sound (MTS) that may appear on the screen. When the signal is weak, try all the Digital Noise Filter
- Analog channels only. ■ Mono: Select for channels that are broadcasting in mono or if options until the TV displays the best picture. you are having difficulty receiving a stereo signal.
- HDMI Black Level (Normal / Low): For HDMI signals, select ■ Stereo: Select for channels that are broadcasting in stereo the black level to adjust the screen depth. Low make blacks look
- Available only in **HDMI** mode (RGB signals). ■ Film Mode (Off / Auto) : 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). ■ Auto Motion Plus (Off / Clear / Standard / Smooth / Custom /
- Demo): Enhances motion in fast moving scenes The info screen on your TV displays the resolution and frequency of the incoming video signal (60Hz). This displayed frequency is not what the TV is displaying by using the Auto Motion Plus function.
- LED Motion Plus (Off / On): Removes drag from fast scenes with a lot of movement to provide a clear picture.

Picture Reset ■ Picture Reset (Reset Picture Mode/Cancel): Resets the

Sound Menu

Mode TOOLS ء

picture settings to their factory defaults.

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

■ Reset: Resets the equalizer to its default settings. 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. TruSurround delivers a compelling, virtual surround sound experience through any two-speaker playback system including internal television speakers. It is fully compatible with al multichannel formats.

Preferred Language

usually a foreign-language translation.

Digital-TV broadcasts can transmit many audio tracks

imultaneously (for example, simultaneous translations of a program

You can only select a language from among the ones being

Digital channels only.

into foreign languages).

broadcast.

Auto Volume

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

SPDIF Output

Mono, Stereo or SAP.

The SPDIF (Sony Philips Digital InterFace) outputs an uncompressed 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.

Depending on the program being broadcast, you can listen to

- Audio Format (PCM/Dolby Digital): You can select the Digital Audio output (SPDIF) format. The available Digital Audio output format may differ depending on the input source. By connecting the TV to a receiver or home theater with
- Dolby Digital and 5.1ch speakers and selecting Dolby Digital, you can maximize your interactive 3D sound
- Audio Delay: Lets you correct timing mismatches between th 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. Use the left and right arrow buttons to adjust the slider. Press ENTER when done (0ms ~ 250ms).

Speaker Settings

■ Speaker Select (External Speaker / TV Speaker)

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.

TV's speakers are turned off. You will hear sound through the external speakers only. When you set Speaker Selec to TV Speaker both the TV's speakers and the external speakers are on. You will hear sound through both. When Speaker Select is set to External Speaker, the

When you set Speaker Select to External Speaker, the

VOLUME and MUTE buttons will not operate and the sound settings will be limited. If there is no video signal, both the TV's speakers and the

Sound Reset

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

Background Color: Options include Default, White, Black, Red. Reset: Reset all settings to the factory defaults

ratings. / FV: Fantasy violence / V: Violence / S: Sexual situation / L: Adult Language / D: Sexually Suggestive Dialog.

itent, click the square next to the rating and/or under the kind of content. A lock appears. To unlock/unblock, click the square again. locks. You can also Allow All or Lock All. When done, press the **RETURN** button on your remote.

To lock/block movies or shows with certain ratings and/or kinds of

Re-enter the same 4 digits in Confirm New PIN fields. When the Change PIN screen disappears, press the OK button. The TV

POWER (off) \rightarrow MUTE \rightarrow 8 \rightarrow 2 \rightarrow 4 \rightarrow POWER (on)

Game Mode (On/Off) When you connect a game console such as a PlayStation™

- Precautions and limitations for game mode:
- Game Mode is not available when the input source is set to

After connecting the game console, set Game Mode to On.

You may notice slightly reduced picture quality 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 access the Program Rating Lock functions, the PIN ■ Caption: You can switch the caption function on or off. If captions are not available, they will not be displayed on the
 - The Caption feature does not work in Component or HDMI mode.
 - 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
- (Digital channels only) The Digital Captions function works with ■ Canadian English: You can block TV programs based on their digital channels.

function may or may not work with digital channels.)

■ Digital Caption Options: (Digital channels only) Size: Options include Default, Small, Standard and Large. The default is Standard.

depending on the broadcast.

Green, Blue, Yellow, Magenta and Cyan. You can change the color of the letters. The default is White.

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 em and added them to the Channel List. The Antenna and Auto program functions described below let you re-run the channel memorization function without having to re-run the Plug & Play

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 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 List.

- To start Auto Program, follow these steps 1. Push MENU → Channel → Auto Program → ENTER on your remote. The Antenna Source screen appears.
- 2 On the Antenna Source screen, select the source of your TV signal.
- Air If your TV is connected to an antenna choose Air, and then press **ENTER** . The TV will automatically start memorizing channels.

If your TV is connected to a cable outlet, choose Cable, and then

press ENTER . Go to Step 3.

If you choose Auto, and then press ENTER , the TV will automatically select the correct Antenna source. Go to Step 3. 3 On the Cable Type screen use the ◀/▶/▲/▼ buttons to select the type of digital and analog cable systems you have: STD, HRC,

on your cable system.

or IRC. Most systems are STD (Standard). When done, select

Start, and then press ENTER . The TV will start memorizing

list. These are the channels you will see when you use the Channel buttons on your remote **Clear Scrambled Channel**

This function filters out scrambled channels after Auto Program is

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

Foreground Color, Background Color, Foreground Opacity and

Digital Caption Options are available only when you can

The Foreground and Background cannot be set to the

Lets you control whether a melody plays when the TV is turned on

• When the TV is turned off by the Sleep Timer function.

■ Auto Protection Time (Off / 10 min / 20 min / 40 min / 1 hour):

If the screen remains idle with a still image for a certain period

■ Energy Saving (Off / Low / Medium / High / Picture Off)

consumption. If you select Picture Off, the screen is turned

■ Eco Sensor (Off / On): To enhance your power savings; the

off, but the sound remains on. Press any button except volume

picture settings will automatically adapt to the light in the room.

If you adjust the Backlight, the Eco Sensor will be set to

Min. Backlight: When Eco Sensor is On, the minimum screen

If Eco Sensor is On, the display brightness may change

(become slightly darker in most cases) depending on the

of time you define, the screen saver is activated to prevent the

select Default and Service1 ~ Service6 in Caption Mode.

Return to Default: This option sets each Size, Font Style

Background Opacity to its default.

Auto Protection Time

Eco Solution

being received.

Self Diagnosis

formation of ghost images on the screen.

button to turn on the screen.

brightness can be adjusted manually.

Melody

background color of the captions. The default is Black

Press the ENTER button to stop the Clear Scrambled

completed. This process may take up to 20~30 minute

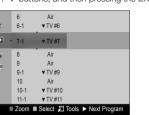
Memorized channels are added to the Added Channels

This function is only available in **Cable** mode.

Managing Channels

Channel List

See your list of Added channels, Favorite channels, or channels ou've scheduled for viewing. Add or delete Favorite channels, add or delete channels from the Added Channels list, schedule channels or programs for viewing. Watch a channel by selecting the channel in the All Channels, Added Channels, or Favorite screen, pressing the ▲ / ▼ buttons, and then pressing the ENTER 🗗 button.



Channel List Screens icons are listed on the left side. Select an icon using the ▲/▼ buttons to view each list.

- 🍇 All Channels: Shows all currently available channels including those you deleted from the Added Channels
- Added Channels: Shows all Added Channels. These are the channels that appear when you press the CH button.
- scheduled using Timer Viewing
- Remote control buttons active on the **Channel List** screen.
- Green (Zoom): Fnlarges or shrinks a channel number.

	isplay Icons Used in the Channel List Screens		
Icons	Meaning		
✓	A selected channel.		
•	A Favorite channel.		
	A reserved program		

screens. To view, select a list screen, select a channel, and then press the TOOLS button. ■ Add / Delete: Delete a channel from or add a channel to the

1 Select one or more channels 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

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

The PIN input screen appears before the setup screen

Enter your 4-digit PIN. Change the PIN using the Change

PIN option.

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

Contact Samsung View this information when your TV does not work properly or when you want to upgrade the software. You can find information

*l*ledia Play • When no sound is output from the TV because the MUTE

☐ Connecting a USB Device



 Press the MENU button. Then, press the ▲ or ▼ button to select Application on the left, and then press the ENTER

Photos, Settings), and then press the ENTER → button.

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

Media Play only supports USB Mass Storage Class (MSC)

■ Repeat: Select Once, Everyday, Mon~Fri, Mon~Sat, Sat~Sun or Manual. If you select Manual, you can select the days you want to activate the timer by using the

Component mode.

children are watching.

Anglophone Canadian ratings.

to select the folder.

appears.

☐ Other Features **Program Rating Lock** The Program Rating Lock feature lets you block programs you've determined are inappropriate for your children based or the program's ratings. To access the Program Rating Lock

Yellow select button to select the Root folder, and

then press the RETURN button. The Timer screen

music or photos, and then press the Yellow select button

Use the ▲/▼ buttons to highlight a folder that contains

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

day, highlight it, and then press the ENTER button.

press either the ENTER or RETURN button.

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

feature and make any changes, you must enter a PIN (personal identification number). To watch a blocked program, you must also enter the same PIN. Program Rating Lock is not available in HDMI or

screen will appear and you must enter a PIN.

set your own PIN using the Change PIN function. How It Works When you access the **Program Rating Lock** Menu functions for

The default PIN number of a new TV set is "0-0-0-0". You can

- When the 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 you want to block, select one of the options on the screen, and then press the ENTER button. The options are listed below:
- 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

■ Canadian French: You can block TV programs based on their

■ TV Parental Guidelines: You can block TV programs based

■ MPAA Rating: You can block movies based on their MPAA

on their ratings. This function allows you to control what your

■ Downloadable U.S. Rating: Parental restriction information can be used while watching DTV channels.

2. Press the ENTER 🗗 button. A list of folders on the device Locking/Blocking Programs or Movies

external speakers will be mute

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

When you click a low rating, all the ratings above it will also display ■ Change PIN: The Change PIN screen will appear. Choose any the day, and then pressing the ENTER 🗗 button. To unselect a 4 digits for your PIN and enter them in Enter New PIN fields.

If you forget the PIN, press the remote-control buttons in the following sequence, which resets the pin to "0-0-0-0"

- or Xbox™ to your TV, you can enjoy a more realistic gaming experience by turning on the Game Mode function.
- 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 shake:

Caption (On-Screen Text Dialogue)

- Caption Mode: You can select the desired caption mode. Default / CC1~CC4 / Text1~Text4: (analog channels only) The
- Default / Service1~Service6 / CC1~CC4 / Text1~Text4:
- Font Style: Options include Default and Styles 0 to 7. The Foreground Color: Options include Default, White, Black, Red,

Service1~6 may not be available in digital caption mode

surrounding light intensity ■ No Signal Power Off (Off / 15 min. / 30 min. / 60 min.): Sets now quickly the TV switches to standby mode, if no picture is

Disabled when the PC is in power saving mode.

Support Menu

■ 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.

Adjust your antenna to increase signal strength.

■ Sound Test: Use the built-in melody sound 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

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

port. USB HDD is not supported.

■ Favorite: Shows all favorite channels. ■ **(i)** Programmed: Shows all channels and programs currently

Yellow (Select): Move the cursor to a channel. Press the Yellow

button to select the channel. A 🗸 mark appears. Repeat to select

Display Icons Used in the Channel List Screens	
 \(\overline{T}\) (Tools): Displays the Channel List Tools menu. (The T menus may differ depending on the situation.) 	oc
additional channels. Then, open the Tools menu and apply function to the channels you selected.	a

ă A program currently being broadcast Channel memorization can take up to 45 minutes, depending The Channel List Tools Menu TOOLS TOOL The Channel List Tools menu contains most of the functions you can use on the All Channel, Added Channels, and Favorite List

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

Software Upgrade background. Options include Default, Transparent, Translucent,

HD Connection Guide Refer to this information when connecting external devices to the

garding our call centers and how to download products and

Enjoy photos, music and/or movie files saved on a • When no sound is output from the TV because the volume USB Mass Storage Class (MSC) device.

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

les to the USB jack on the back of the TV. A pop up window



To open Media Play in the Menu, follow these steps

press the ENTER button. 3. Press the ◀ or ▶ button to select an icon (Videos, Music,

• The file system supports FAT16, FAT32 and NTFS.

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

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

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

Media Play might not work properly with unlicensed multimedia files.

Important Warranty Information Regarding

Wide screen format LED Displays (16:9, the aspect ratio of the format full-motion video. The images displayed on them should primarily be in the wide screen 16:9 ratio format, or expanded to screen, such as the dark sidebars on non-expanded standard viewing other stationary images and text such as stock market

as well as burned-in images, are not covered by your Samsung limited warranty. • SAMSUNG ELECTRONICS NORTH AMERICAN LIMITED

The above described warranty repairs must be performed by a

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

▲/▼ buttons and the Yellow Select button on your remote

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

All deleted channels will be shown on the All Channels list

The Add menu option only appears for deleted channels.

■ Add to Favorite/Delete from Favorite: Lets you add channels

3. Select Add to Favorite in the Tools menu, and then press the

To delete channels from the Favorites list, follow these steps:

1. Select one or more channels in the **Favorite** Channels list

2. Press the TOOLS button on your remote. The Tools menu

channel. You must set the current time first in the Time > Clock

1. Select a channel in the **Added Channels** list using the ▲/▼

3. Select **Time Viewing** in the Tools menu, and then press the

buttons and the Yellow Select button on your remote.

2. Press the TOOLS button on your remote. The Tools menu

using the ▲/▼ buttons and the Yellow Select button on your

You add channels back to the **Added Channels** list on the

2. Press the TOOLS button on your remote. The Tools menu

A gray-colored channel indicates the channel has been deleted from the Added Channels list

To add channels to the **Favorites** list, follow these steps:

to and delete channels from your Favorites list

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

ENTER → button

All Channels list.

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

function to use **Time Viewing**.

To schedule a channel, follow these steps:

ENTER button. The Time Viewing screen appears. Antenna Channel Repeat DTV Air 6-1 Once

Date Start Time ◆ Move ♦ Adjust ☐ Enter つ Retu Use the ◄/► 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 your remote.

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

• The higher the resolution of the image, the longer it takes to y on the screen.

Do not disconnect the USB device while it is loading.

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

. 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 ecognized or may malfunction.

• If the TV has no input during the time period set in **Auto Protection Time**, the Screensaver will run.

 The power-saving mode of some external hard disk drives may be released automatically when your connect them to the TV.

If you use a USB extension cable, the TV may not recognize the USB device or may not be able to read the files on the device. • If a USB device connected to the TV is not recognized, the list of files on the device is corrupted or a file in the list is not played. connect the USB device to a PC, format the device, and check

the connection. If a file you deleted from the PC is still found when you run Media Play, use the "Empty the Recycle Bin" function on the PC to manently delete the file.

Photos only supports the sequential ipeg format.

 The Videos option does not support the scene search and thumbnail functions. · 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 some folders may not open.

The maximum displayed number of files, including sub folders, in one folder of USB storage device is 2000.

The media may not be playing smoothly when using the device lower than USB 2.0.



 In the Media Play menu, press the

or

button to select Videos, and then press the ENTER button.

2. Press the </bd>
✓ buttons to select a video in the file list.

3. 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

In this mode, you can play movie clips contained in a game, but you cannot play the game itself.

Supported Subtitle Formats

SubRip

SubViewe

Micro DVD

SubStation Alpha

Advanced SubStation Alpha

Name

Xsub

SubStation Alpha

SubRip

DivX 11/4.x/5.1

MPEG4 SP / ASP

/ 4.x /5.1 / 6.0

MPEG4 SP / ASP

MPEG2

Sorenson H.263

• Supported Video Formats

 Video content will not play, or not play correctly, if there is an erro in the content or the contained Sound or video may not work if the contents have a standard

.sub or .txt

MKV

MKV

1920x1080 6~30

AVC 1920x1080 6-30 30Mbps

1920x1080 6~30

H264 1920x1080 6~30 30Mbps

MJPEG 640x480 6~30 10Mbps

1920x1080 6~30

H264 1920x1080 6~30 30Mbps ADPCM

920x1080 6~30 30Mbps

1920x1080 24/25/30 30Mbps

1920x1080 24/25/30 30Mbps

1920x1080 6-30 30Mbps

1920x1080 6~30 30Mbps

1920x1080 6~30 30Mbps

H.264 1920x1080 6~30 30Mbps

1920x1080 6~30

File Extension Container Video Codec Resolution Frame Bit Audio Codec

Format

Picture Format

Text Format

Text Format

Text Format

30Mbps

30Mbps

30Mbps

30Mbps

Other Restrictions

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

Video Decoder Supports up to H.264, Level 4.1 H.264 FMO / ASO / RS, VC1 SP / MP / AP L4 and AVCHD are not supported.

MPEG4 SP, ASP - Below 1280 x 720: 60 frame max

- Above 1280 x 720: 30 frame max

H.263 is not supported.

one file.

GMC is not support 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)

Music



WMA Lossless is not supported.

1. In the Media Play menu, press the ◀ or ▶ button to select Music, and then press the ENTER button.

2. Press the </

/▶/▲/▼ buttons to select the desired Music in the

3. Press the ENTER → button or ► (Play) button. During music playback, you can search using the ◀ and

(REW) and F (FF) buttons do not function during

Media Play only displays files with MP3 and PCM file extension. Other file extensions are not displayed, even if they are saved on the same USB device.

If the sound is abnormal when playing MP3 files, adjust the Equalizer in the Sound menu. (An over-modulated MP3 file may cause a sound problem.)

There is no picture/video.

In the Media Play menu, press the ◀ or ▶ button to select Photos, then press the ENTER button.

2. Press the **◄/▶/▲/▼** buttons to select a photo in the file list. 3. Press the ENTER button or (Play) button.

 While a photo list is displayed, press the ► (Play) / ENTER button on the remote control to start a slide sho 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

Background Music file has finished loading. Supported Photo Formats

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

Other Restrictions

Photos

· CMYK, YCCK Color space JPEG are not supported.

Playing Multiple Files

■ Playing selected video/music/photo files 1. On the File List screen, highlight a file, and then press the Yellow

button on your remote 2. 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

3. Press the TOOLS button, select Play Selected Contents, and then press the ENTER button.

■ Playing a video/music/photo folder

ENTER button.

Check the cable connections. (Remove and reconnect all cables connected to the TV and external devices).

1. With the folders on your USB device displayed, use the ◄/►/▲/▼ buttons to highlight a folder

2. Press the TOOLS button, select Play Folder, and then press the

Before you turn the TV on, find the red light on the right or left bottom of your TV. Press the power on button Trouble Powering Or 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 it re 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 ox remote control. If the screen displays the guide or info data, the problem is caused by the box • If you have any trouble assembling the stand, refer to "Install the Stand" in the Start Up or Stand Installation Guide. Stand Assembly Cannot find a channel • Re-run Plug & Play or run Auto Program. (go to MENU - Channel - Auto Program) First, perform the Picture Test and to see if your TV is displaying the test image properly. Poor Picture 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. • If you have an analog cable/satellite box, upgrade to a digital set top box. Use HDMI or Component cables to The TV image does not look as good a it did in the store. 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. Many HD channels broadcast up scaled SD (Standard Definition) content. The picture quality of up scaled SD content is low. Adjust the Cable/Set top box video output resolution to 1080i or 720p. Compression of video contents may cause picture distortion, especially on fast moving pictures such as those in The picture is distorted: macroblock error, small block, dots, pixelization 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 the default picture settings. (go to MENU - Picture - Picture Reset) There is a dotted line on the edge of • 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 • If connected to a cable box, please try to reset it. (Reconnect the AC cord and wait until the cable box reboots. It When changing channels, the picture freezes or is distorted or delayed. may take up to 20 minutes) Set the output resolution of the cable box to 1080i or 720p. Sound Problems Perform the Sound Test to confirm that your TV audio is properly operating. (go to MENU - Support - Self Diagnosis - Sound Test) If the audio is OK, the sound problem may be caused by the source or signal. There is no sound or the sound is too low at maximum volume. • Check the volume of the device (Cable/Sat Box, DVD, Blu-ray, etc.) connected to your TV. • If you are using an external device, check the device's audio output option Ex. you may need to change your The picture is good, but there is no cable box's audio option to HDMI if the box is connected to your TV using an HDMI cable. Reboot the connected device by reconnecting the device's power cable. • Check the cable connections. Make sure a video cable is not connected to an audio input The speakers are making an · For Antenna or Cable connections, check the signal information. A weak signal may cause sound distortion. • Perform the Sound Test as explained above. No Picture, No Video Make sure the AC power cord is securely plugged into the wall outlet and the T · Make sure the wall outlet is working Try pressing the POWER button on the TV to make sure the problem is not the remote. If the TV turns on, refer to 'Remote control does not work' below. The TV turns off automatically Ensure the Sleep Timer is set to Off in the Time menu. If your PC is connected to the TV, check your PC power settings • Make sure the AC power cord is plugged securely into the wall outlet and the TV.

• When you are watching TV connected to an antenna or cable connection, the TV will turn off after 10 - 15 minutes

• Set your external device's (Cable/Sat Box, DVD, Blu-ray etc) video outputs to match the connections to the TV input. For example, if an external device's output is HDMI, it should be connected to an HDMI input on the TV. Make sure your connected devices are powered on. • Be sure to select the correct input source by pressing the SOURCE button on the remote control. Reboot the connected device by reconnecting the device's power cable. RF (Cable/Antenna) Connection Make sure the coaxial cable is connected securely. Run Auto Program to add available channels to the channel list, go to MENU - Channel - Auto program then select Auto and make sure the correct Cable TV signal type is set in the menu. There are 3 options. (STD, HRC and IRC) Verify the antenna is positioned correctly No Caption on digital channels. • Check the Caption Setup menu. Try changing Caption Mode Service 1 to CC1. · Some channels may not have caption data. The picture is distorted: macroblock Compression of video contents may cause picture distortion, especially on fast moving pictures such as those in error, small block, dots, pixelization sports and action movies. • A weak signal can cause picture distortion. This is not a TV problem Others Purple/green rolling horizontal bars and • Remove the left and right audio connections from the set-top-box. If the buzzing stops, this indicates that the setbuzzing noise from the TV speakers w top-box has a grounding issue. Replace the Component video cables with an HDMI conne Component cable connection • HD channels will have black bars on either side of the screen when displaying up scaled SD (4:3) contents • Black bars on the top and bottom appear when movies that have aspect ratios different from your TV play on the · Adjust the picture size option on your external device or change the TV to full screen • Replace the remote control's batteries. Make sure you insert them with the polarity (+/-) correct The remote control does not work. · Clean the transmission window located on the top of the remote control • Try pointing the remote directly at the TV from 5~6 feet away. • Program the Cable/Set top box remote control to operate the TV. Refer to the Cable/Set top box user manual for does not turn the TV on or off, or adjust the SAMSUNG TV code Check the supported resolution of the TV and adjust the external device's output resolution accordingly. Befer to A "Mode Not Supported" message Caption on the TV menu is greyed out. • You cannot select Caption in the TV menu when watching content from a device connected via HDMI or • Caption must be activated on the external device. There is a plastic smell from the TV. • This smell is normal and will dissipate in a few days. TV Signal Strength is unavailable in the This function is only available for digital channels received through an Antenna / RF/Coax connection Self Diagnosis Test menu. TV is tilted to the right or left side. Remove the stand base from the TV and reassemble it. The Channel menu is grey out • The **Channel** menu is only available when you select the TV source. Your settings are lost after 30 minutes or every time the TV is turned off. • If TV is in the **Store Demo** mode, it will reset audio and picture settings every 30 minutes. Please change from **Store Demo** mode to **Home Use** mode using the **Plug & Play** procedure. Press the SOURCE button to select **TV** mode, go to MENU → **Setup** → **Plug & Play** → ENTER ■. Check the cable connections and reconnect them Loss of audio or video can be caused by using overly rigid or thick cables. Make sure the cables are flexible enough for long term use. If mounting the TV to the wall, we recommend using cables with 90 degree You see small particles when you look • This is part of the product's design and is not a defect. closely at the edge of the frame of POP (TV's internal banner ad) appears • 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.

Watch these troubleshooting on video at www.samsung.com/spsn.

Some functions and pictures shown in this manual are available on specific models only. 🔊 You can keep your TV in optimum condition by upgrading it with the latest firmware from the Samsung web site (samsung.com

→ Support → Downloads). 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.

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.	~	~	~

Settings

Using the Setup Menu

■ DivX® Video On Demand : Shows the registration code authorized for the TV. If you connect to the DivX web site and egister with the 10-digit registration code, you can dow the VOD activation file. Once you play it using Media Play, the registration is completed.

Some For more information on DivX® VOD, visit "http://vod.divx.

■ Information: Select to view information about the connected USB device.

Other Information

Installing the Wall Mount Kit

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

For detailed information about installing the wall mount, see the instructions provided with the wall mount items. Contact a echnician for assistance when installing the wall mount bracket. Samsung Electronics is not responsible for any damage to the product or injury to yourself or others if you elect to install the wall mount on your own

Wall Mount Kit Specifications (VESA)

The wall mount kit is not supplied, but sold separately. Install your wall mount on a solid wall perpendicular to the floor. When attaching to other building materials, please contact your arest dealer. If you install the TV on a ceiling or slanted wall, it may fall and result in severe personal injury.

- · Standard dimensions for wall mount kits are shown in the table
- When purchasing our wall mount kit, a detailed installation
- manual and all parts necessary for assembly are provide . 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
- For wall mounts that do not comply with the VESA standard
- 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.

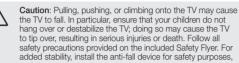
	Product Family	TV size in inches	VESA screw hole specs (A * B) in millimeters	Standard Screw	Quantity
		19~22	75 X 75	M4	
	LED TV	26	100 X 100	IVI4	4
LED-TV	32~40	200 X 200	M6	4	
		46~60	400 X 400	M8	

Do not install your Wall Mount Kit while

ersonal injury due to electric shock.

your TV is turned on. It may result in

Securing the TV to the Wall



To prevent the TV from falling

Since the necessary brackets, screws, and string or cable are not supplied, please purchase these separately

1. Insert the screws into the wall brackets and firmly fasten them to the wall. Make sure the screws are firmly fixed to the wall. We strongly recommend you drive the screws into a stud.

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

2. Using screws, insert the screws through the TV brackets, and

with a strong string or cable, and then tie the string or cable tightly to the brackets. 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 wal are at the same height or lower than the brackets on the TV. Untie the string or cable before moving the TV.

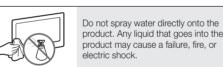
To purcase a TV Holder kit, contact Samsung customer care.

Storage and Maintenance

a soft cloth to prevent scratches.

🦠 If a sticker was attached to the TV screen, some debris can remain after you remove the sticker. Please clean it before watching

Name The exterior and screen of the product can get scratched during cleaning. Be sure to wipe the exterior and screen carefully using





dampened with in a small amount of water. Do not use a flammable liquid (e.g. benzene, thinners) or a cleaning agent.

SRS TheaterSound™ provides the most immersive

surround sound experience from the TV's built-in

speakers, while maintaining steady volume and

delivering rich bass and clear dialog.

Clean the product with a soft cloth



SIS@

License

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

ABOUT DIVX VIDEO: DivX® is a digital video format created by DivX. LLC, a subsidiary of Boyi Corporation. This is an official DivX Certified® device that plays DivX video. Visit divx. com for more information and software tools to convert your files into DivX videos. ABOUT DIVX VIDEO-ON-DEMAND: This DivX Certified® device must be registered in order to play purchased DivX Video-on-Demand (VOD) movies. To obtain your registration code, locate the DivX VOD section in your device setup menu. Go to vod. divx. com for more information on how to complete your registration. Covered by one or more of the following U.S. patents: 7,295,673; 7,460,668; 7,515,710; 7,519,274 DivX®, DivX Certified® and associated logos are trademarks of Rovi Corporation or its subsidiaries and are used under license.



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Kensington Lock

The Kensington Lock is not supplied by Samsung. It is a device sed 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 " $\ \ \, \ \ \,$ icon on the rear of the TV. The Kensington slot is beside the "R" icon.

The position and color may differ depending on the model.

Assembling the Wire Holder stand



Possible Solution

Display Modes (HDMI/DVI Input)

Optimal resolution is 1920 x 1080@60Hz

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.

Flickering and Dimming	If your Samsung Television is flickering or dimming sporadically, you may need to disable some of its energy efficient features like the Eco Sensor or the Energy Saving feature. Follow the steps below with your remote to turn these features off or on. • Energy saving : Menu → Setup → Eco Solution → Energy Saving → Select Settings
	Eco Sensor : Menu → Setup → Eco Solution → Eco Sensor → 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. • Self Diagnosis: User 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 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. • 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.
	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.
	$\bullet \ \text{Sleep Timer}: \text{User Menu} \rightarrow \text{Setup} \rightarrow \text{Time} \rightarrow \text{Sleep Timer}$
	If the Sleep Timer is not activated, you may have engaged the No Signal Power Off or Auto Power Off feature.
	$\bullet \ \ \text{No Signal Power Off: User Menu} \rightarrow \text{Setup} \rightarrow \text{Eco Solution} \rightarrow \text{No Signal Power}$
	$ \bullet \ \text{Auto Power Off : User Menu} \rightarrow \text{Setup} \rightarrow \text{Eco Solution} \rightarrow \text{Auto Power Off} $

Specifications

50°F to 104°F (10°C to 40°C) Operating Temperature 10% to 80%, non-condensing Operating Humidity 4°F to 113°F (-20°C to 45°C) Storage Temperature 5% to 95%, non-cond UN40ES6003 Model Name UN60ES6003 Display Resolution 1920 x 1080 Screen Size 46" Class 60" Class (54.6" measured diagonally (60.0" measured diagonally (Diagonal) 40.0" measured diagonally Sound Output Dimensions (W x H x D) 41.8 x 24.7 x 1.8 inches 54.0 x 31.6 x 1.8 inches 36.4 x 21.7 x 1.8 inches 49.3 x 29.0 x 1.8 inches (926.8 x 553.4 x 46.9 mm) 1062.2 x 629.8 x 46.9 mm) 1252.8 x 736.6 x 46.9 mm 1372.9 x 804.1 x 46.9 mm) 36.4 x 24.3 x 9.5 inches 41.8 x 27.5 x 10.8 inches 49.3 x 31.7 x 10.8 inches 54.0 x 34.4 x 12.1 inches 26.8 x 619.1 x 241.3 mm 062.2 x 700.8 x 276.6 m 52.8 x 807.6 x 276.6 m 372.9 x 875.3 x 309.6 mm)

43.4 lbs (19.7 kg)

50.7 lbs (23.0 kg)

(Unit: inches)

39.6 lbs (18.0 kg

25.5 lbs (11.6 kg) 32.4 lbs (14.7 kg Design and specifications are subject to change without prior notice.

This device is a Class B digital apparatus.

22.7 lbs (10.3 kg)

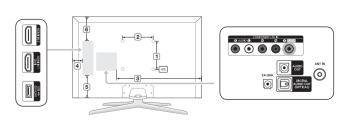
Solution For information about power supply, and more about power consumption, refer to the label attached to the

🦠 Dispose unwanted electronics through an approved recycler. To find the nearest recycling location, go to our

irect or call, (877) 278-

Typical power consumption is measured according to Energy Star Program requirements for Televisions.

■ JACK PANEL DETAIL / REAR VIEW



Model name	1	2	3	4	5	6
UN40ES6003	7.8	7.8	24.2	2.0	6.5	4.1
UN46ES6003	15.7	15.7	29.9	1.8	8.0	5.6
UN55ES6003	15.7	15.7	36.1	2.7	8.4	9.4
UN60ES6003	15.7	15.7	38.5	5.1	9.7	10.7

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. © 2012 Samsung Electronics America, Inc
