user manual

Figures and illustrations in this User Manual are provided for reference only and may differ from actual product appearance. Product design and

Television Format Viewing

See the warranty card for more information on warranty

Wide screen format LED Displays (16:9, the aspect ratio of the screen width to height) are primarily designed to view wide screen format full-motion video. The images displayed on them should primarily be in the wide screen 16:9 ratio format, or expanded to fill the screen if your model offers this feature and the images are constantly moving. Displaying stationary graphics and images on screen, such as the dark sidebars on non-expanded standard format television video and programming, should be limited to no more than 5% of the total television viewing per week. Additionally, viewing other stationary images and text such as stock market reports, video game displays, station logos, web sites or computer graphics and patterns, should be limited as described above for all televisions. Displaying stationary images that exceed the above guidelines can cause uneven aging of LED Displays that 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

• SAMSUNG ELECTRONICS NORTH AMERICAN LIMITED WARRANTY STATEMENT

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

The above described warranty repairs must be performed by a 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 Cente

A gray-colored channel indicates the channel has been

The Add menu option only appears for deleted channels.

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

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

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

3. Select **Delete from Favorite** in the Tools menu, and then

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

3. Select **Time Viewing** in the Tools menu, and then press the ENTER ☐ button. The Time Viewing screen appears.

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

Antenna Channel Repeat

Date Start Time

◆ Move ♦ Adjust 🗗 Enter 🤊 Retu

number keypad on your remote.

DTV Air 6-1 Once

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

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

deleted from the Added Channels list.

to and delete channels from your Favorites list

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



All Channels list.

appears.

ENTER button

press the ENTER button.

function to use **Time Viewing**.

appears.

To schedule a channel, follow these steps:

ransportation to and from the Service Center is the responsibility of the purchaser. Conditions covered are limited only to manufacturing defects in material or workmanship, and only those encountered specifications may be changed without notice. Important Warranty Information Regarding in normal use of the product, Excluded, but not limited to, are 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

- 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

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comments relating to Samsung products please contact the SAMSLING customer care center

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Customer Care Center 2	1-800-SAMSUNG(726-7864)				
Web Site	www.samsung.com/ca (English) www.samsung.com/ca_fr (French)	www.samsung.com/us			

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

To add channels to the Added Channels list, follow these steps: If you select Everyday or Every Week, the date you select in the Date field becomes the start date for your 1. Select one or more channels in the All Channels list using the scheduled viewing. For $\mbox{\bf Everyday},$ the TV will turn on ▲/▼ buttons and the Yellow Select button on your remote. every day, at the time you selected, starting from that 2. Press the TOOLS button on your remote. The Tools menu date. For Everyweek, the TV will turn on every week, appears. on the same day of the week as the start date you 3. Select Add in the Tools menu, and then press the ENTER selected, at the time you selected, from that day on. If

- and time you selected. All deleted channels will be shown on the All Channels list You add channels back to the **Added Channels** list on the
 - 5. Press the ENTER button on your remote when done. Only Added Channels can be scheduled
 - Scheduled programs and channels are displayed in the Programmed List.
 - When you select a digital channel, press the ▶ button to view the digital program list. If you highlight a program in the list, and then press the ENTER (Schedule) button, you set Timer Viewing for that program directly.
- 1. Select one or more channels in the All Channels list using the
 - Deselect All: Deselect all the selected displayed channels. You can only select Deselect All when one or more channels are selected.
- Channel Name Edit: Analog channels only. Lets you assign a 3. Select **Add to Favorite** in the Tools menu, and then press the 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
 - 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.

■ Timer Viewing: You can schedule a channel to be displayed

automatically at a set time, even when you are watching another Change Info: Change the scheduling information for a show or channel. You must set the current time first in the Time > Clock

- 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 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 → button.

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 depending on the screen you are viewing. A Tools menu symbol (点) 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

 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

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

in the Source List.

Mode TOOLS 和

Select your preferred picture mode.

- 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
- \bigcirc 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 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

ailable 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.
- green, blue) dark 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 dim 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 creen 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
- 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 Fraces of borders displayed on the left, right and center of the screen may cause image retention (screen burn) which 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:

- have scheduled. You can also change the schedule Information 1. Select the Programmed List icon on the left side of the
- 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.

■ Information: Display the information for a show or channel you

- 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

Channel Mode (Added Channels/Favorite

Lets you select the channel list displayed when you press the **↑CH** (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

- Select the channel, and then select Fine Tune.
- Fine tuned channels that have been saved are marked with 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 If you disconnect the power cord, you have to set the

To set the clock, follow these steps Select Setup >Time > Clock

- Channel List screen, and then press the ENTER d button. ENTER again
 - The TV will automatically download the correct time from a digital channel.
 - Select Time Zone, and then press the ENTER button. Use the ▲/▼ buttons to select your Time Zone, and then press ENTER .
 - ENTER . Select On if you want to turn the DST adjustment on and off manually. Select Off to turn off the to DST automatically. Press ENTER when done.
 - DST and Time Zone function are only available when the Clock Mode is set to Auto.

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 .

■ Sleep Timer TOOLS

Available only when Clock Mode is set to Manual. 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 Activate.

- 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.

device lower than USB 2.0.

- 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
- 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.

- 2. Press ENTER and select Auto or Manual, and then press
- If you selected Auto
- Select DST (Daylight Savings Time), and then press
- DST adjustment. Select Auto if you want the TV to adjust

☐ Other Features

Input Source

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

that may appear on the screen.

HDMI (720p. 1080i. 1080p)

optimum quality.

Picture Reset

Mode TOOLS ء

Equalizer

frequencies.

multichannel formats.

Digital channels only

into foreign languages).

broadcast

Preferred Language

Sound Menu

DTV (1080i, 1080p), Component (1080i, 1080p), 16:9, Wide Fit,

■ Digital Noise Filter (Off / Low / Medium / High / Auto) : If the

When the signal is weak, try all the Digital Noise Filter

■ HDMI Black Level (Normal / Low): For HDMI signals, select

options until the TV displays the best picture.

Available only in HDMI mode (RGB signals).

with a lot of movement to provide a clear picture.

1080i) and HDMI (480i / 1080i).

picture settings to their factory defaults.

■ Standard: Selects the normal sound mode.

■ Movie: Provides the best sound for movies.

■ Clear Voice: Emphasizes voices over other sounds

■ 100Hz / 300Hz / 1KHz / 3KHz / 10KHz (Bandwidth

■ Reset: Resets the equalizer to its default settings.

SRS TruSurround HD (On/Off)

Available in Standard sound mode only

a better listening experience for the hearing impaired.

■ Amplify: Increase the intensity of high-frequency sounds to allo

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

Adjustment): Adjusts the loudness of specific bandwidth

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

Digital-TV broadcasts can transmit many audio tracks

including internal television speakers. It is fully compatible with all

simultaneously (for example, simultaneous translations of a program

Nou can only select a language from among the ones being

If there are no folders on your device, press the

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

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

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

or Manual. If you select Manual, you can select the days you

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

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

want to activate the timer by using the ◄/▶ buttons to highlight

the day, and then pressing the ENTER 🗗 button. To unselect a

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

■ Music: Emphasizes music over voices.

Available in Standard sound mode only.

the Digital Noise Filter feature to reduce any static and ghosting

the black level to adjust the screen depth. Low make blacks look

process film signals from all sources and adjusts the picture for

Available in ATV, DTV (interlace), AV, COMPONENT (480i /

■ LED Motion Plus (Off / On): Removes drag from fast scenes

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

Program Rating Lock

press either the ENTER or RETURN button.

to select the folder.

- 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 watch a blocked program, you must also
- enter the same PIN. Program Rating Lock is not available in HDMI or
- 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 $\mbox{\bf Program Rating Lock}$ Menu functions for the first time, the PIN input screen appears. Enter 0-0-0-0. The PIN creen closes and the Program Rating Lock Menu appears. Every time you access the Program Rating Lock functions, the PIN screen will appear and you must enter a PIN.

When the Rating Lock screen appears, select **Program Rating Lock**, and then press ENTER L. 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: ■ TV Parental Guidelines: You can block TV programs based

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

- children are watching. ■ MPAA Rating: You can block movies based on their MPAA ratings. The Motion Picture Association of America (MPAA) has implemented a rating system that provides parents or guardians with advanced information on which films are appropriate for
- Anglophone Canadian ratings. ■ Canadian French: You can block TV programs based on their French Canadian ratings ■ Downloadable U.S. Rating: Parental restriction information can

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

be used while watching DTV channels.

Multi-Track Sound (MTS)

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

Auto Volume

Recause 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.

■ Film Mode (Off / Auto) : Sets the TV to automatically sense and SPDIF Output

Picture Size

16:9, Zoom1

Zoom2, 4:3

4:3, Screen Fit

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 ■ 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 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. 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. When you set Speaker Select to External Speaker, the TV's 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 sound through both.
- When Speaker Select is set 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

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

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

You lock or block programs and/or movies in essentially the same

option also has kinds of content listed across the top: ALL: Lock all

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

locks. You can also Allow All or Lock All. When done, press the

■ Change PIN: The Change PIN screen will appear. Choose any

4 digits for your PIN and enter them in Enter New PIN fields.

Change PIN screen disappears, press the OK button. The TV

If you forget the PIN, press the remote-control buttons in

When you connect a game console such as a PlayStation™

experience by turning on the ${\bf Game\ Mode}$ function.

Precautions and limitations for game mode:

or Xbox™ to your TV, you can enjoy a more realistic gaming

Re-enter the same 4 digits in Confirm New PIN fields. When the

the following sequence, which resets the pin to "0-0-0-0"

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

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

After connecting the game console, set Game Mode to On. You may notice slightly reduced picture quality.

■ 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

Default / CC1~CC4 / Text1~Text4: (analog channels only) The

mode or when a signal is supplied from an external device to the

TV. (Depending on the broadcasting signal, the Analog Caption

Analog Caption function operates in either analog TV channel

■ Caption Mode: You can select the desired caption mode.

function may or may not work with digital channels.)

depending on the broadcast.

color of the letters. The default is White

■ Digital Caption Options: (Digital channels only)

Default / Service1 ~ Service6 / CC1 ~ CC4 / Text1 ~ Text4:

(Digital channels only) The Digital Captions function works with

Service1~6 may not be available in digital caption mode

Size: Options include Default, Small, Standard and Large. The

Foreground Color: Options include Default, White, Black, Red

Green. Blue, Yellow, Magenta and Cyan. You can change the

Font Style: Options include Default and Styles 0 to 7. The

ratings. / FV: Fantasy violence / V: Violence / S: Sexual situation

ntent, click the square next to the rating and/or under the kind of

way for each option. Each option displays a grid or table. All the

tables have ratings listed on the left. The TV Parental Guidelines

/ L: Adult Language / $\ensuremath{\text{\textbf{D}}}\xspace$: Sexually Suggestive Dialog.

RETURN button on your remote.

has memorized your new PIN.

Game Mode (On/Off)

(On-Screen Text Dialogue)

digital channels.

default is Standard.

default is Style 0.

external speakers will be mute

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 tem 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 \blacksquare \rightarrow Channel \rightarrow Auto Program \rightarrow ENTER \blacksquare on your remote. The Antenna Source screen appears
- 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** . The TV will automatically start memorizing channels.

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

press ENTER 4. 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 </ri> 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.
- Channel memorization can take up to 45 minutes, depending on your 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 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

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

background. Options include Default, Transparent, Translucent,

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

. When no sound is output from the TV because the MUTE

■ Auto Protection Time (Off / 2 hours / 4 hours / 8 hours / 10

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

hours): If the screen remains idle with a still image for a certain

period of time you define, the screen saver is activated to prev

This adjust the brightness of the TV in order to reduce power

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

When no sound is output from the TV because the volume has been reduced to minimum with the VOL – button.

Set so that a melody plays when the TV is turned on or off.

When the TV is turned off by Sleep Timer function.

the formation of ghost images on the screen.

brightness can be adjusted manually.

surrounding light intensity.

background color of the captions. The default is Black.

Press the ENTER button to stop the Clear Scrambled This function is only available in Cable mode.

Solid and Flashing

same color.

The Melody does not play:

Auto Protection Time

Eco Solution

light in the room

button has been pressed

Melody

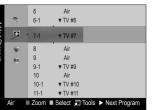
Background Opacity to its default.

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

☐ Managing Channels

Channel List

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 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

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.

Yellow (Select): Move the cursor to a channel. Press the Yellow button to select the channel, A \checkmark mark appears. Repeat to select

Display Icons Used in the Channel List Screens

enus may differ depending on the situation.

Icons	Meaning
✓	A selected channel.
•	A Favorite channel.
0	A recented 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

mware from samsung.com to a USB memory device.

Software Upgrade can be performed by downloading the latest

regarding our call centers and how to download products and

USB Mass Storage Class (MSC) device.

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

menu appears.

off, but the sound remains on. Press any button except volume button to turn on the screen ■ Eco Sensor (Off / On) for LED 5000 series : To enhance your power savings; the picture settings will automatically adapt to the

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

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

Disabled when the PC is in power saving mode. ■ Auto Power Off (Off / On): The TV will be automatically turned off when no user operation is received for 4 hours.

Self Diagnosis

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.
- 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 eception quality is either perfect or the channels are unavailable. Adjust your antenna to increase signal strength.



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

■ 🖏 All Channels: Shows all currently available channels including

■ **Favorite**: Shows all favorite channels.

scheduled using Timer Viewing.

Remote control buttons active on the Channel List screen · Green (Zoom): Enlarges or shrinks a channel number.

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

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:

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

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

Software Upgrade

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

when you want to upgrade the software. You can find information

Media Play

☐ Connecting a USB Device

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



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

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

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

Media Play only supports USB Mass Storage Class (MSC) devices. MSC is a Mass Storage Class Bulk-Only Transport device. Examples of MSC are Thumb drives and Flash Card

Press the ◀ or ▶ button to select an icon (Videos, Music, Photos, Settings), and then press the ENTER ☑ button. Media Play might not work properly with unlicensed multimedia files.

Readers. Devices should be connected directly to the TV's USB port. USB HDD is not supported.

additional channels. Then, open the Tools menu and apply a function to the channels you selected.

☐ The Channel List Tools Menu TOOLS ☐

The PIN input screen appears before the setup screen. Enter your 4-digit PIN. Change the PIN using the Change PIN option.

elect Default and Service1 ~ Service6 in Caption Mode. **Contact Samsung** View this information when your TV does not work properly or

Enjoy photos, music and/or movie files saved on a

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



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

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

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 · Do not disconnect the USB device while it is loading. The higher the resolution of the image, the longer it takes to display on the screen.

The maximum supported JPEG resolution is 15360 x 8640 pixels. • If a file is corrupted or the TV does not support the file type, the "Not Supported File Format" message appears.

 The TV cannot play MP3 files with DRM that have been downloaded from a for-pay site. Digital Rights Management (DRM) is a technology that supports the creation, distribution, and management of digital content in an integrated and comprehensive way, including protecting the rights and interests of content providers, preventing illegal copying of contents, and managing billing and settlements.

 PTP devices are not supported. If an over-power warning message is displayed while you are connecting or using a USB device, the device may not be recognized or may malfunction.

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

 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

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

Photos only supports the sequential jpeg format. . The Videos option does not support the scene search and thumbnail functions.

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

• If the number of files and folders saved on a USB storage device is



playing time.

No Picture, No Video

The TV turns off automatically

Videos, and then press the ENTER button. 2. Press the **◄/▶/▲/▼** buttons to select a video in the file list.

1. In the Media Play menu, press the ◀ or ▶ button to select

3. Press the ENTER → button or ► (Play) button.

The file name is displayed on the top of the screen with the

If video time information is unknown, playing time and the progress bar are not displayed.

During video playback, you can search using the ◀ and

 $\ensuremath{ \mathbb{Q}}$ In this mode, you can play movie clips contained in a game, but you cannot play the game itself.

Supported Subtitle Formats

Name

SubStation Alpha

Advanced SubStation Alpha

Other Restrictions External Video content will not play, or not play correctly, if there is an error in the content or the container

SubRip Micro DVD .sub or .txt .ssa

MKV

MKV

MKV

1920x1080 6~30 30Mbps

H264 1920x1080 6~30 30Mbps ADPCM

AVC 1920x1080 6-30 30Mbps

1920x1080 6~30

H264 1920x1080 6~30 30Mbps

MJPEG 640x480 6~30 10Mbps

1920x1080 6~30 30Mbps

1920x1080 6~30 30Mbps

1920x1080 6~30 30Mbps

1920x1080 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

1920x1080 6-30 30Mbps

H.264 1920x1080 6~30 30Mbps

1920x1080 6~30

File Container Video Codec Resolution Frame Bit Audio Codec rate(fps) rate(Mbps) Codec

DivX 1/4.x/5.1

MPEG4 SP / ASP

/ 4.x /5.1 / 6.0

MPEG4 SP

H.264

Sorenson H.263

 The menu may take longer to appear if the video's bit rate exceeds 10Mbps. Advanced SubStation Alpha • Video content can not be played if there are many contents in

Format

Picture Format

Text Format

Text Format

Text Format

30Mbps

30Mbps

1920x1080 6~30 30Mbps ADPCM

one file.

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

Sound or video may not work if the contents have a standard

• If the Index Table erroneous, the Seek (Jump) function is not

bit rate/ frame rate above the compatible Frame/sec listed in the

MPEG4 SP. ASP Below 1280 x 720: 60 frame max

Supported Video Formats table.

- Above 1280 x 720: 30 frame max

H.263 is not supported.

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 button. (REW) and (FF) buttons do not function during

There is no picture/video

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.)



Photos

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

 Press the ◄/►/▲/▼ buttons to select a photo in the file list. 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 (◄) (REW) or (►) (FF) button.

ou 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.

Nou cannot change the Mode in Background Music until the Background Music file has finished loading. Supported Photo Formats

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

Other Restrictions

• 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 $^{\bullet}\,$ To deselect all selected files, press the TOOLS button, select

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

■ Playing a video/music/photo folder

. 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 $\blacktriangleleft/\blacktriangleright/\blacktriangle/\blacktriangledown$ buttons to highlight a folder.

Deselect All, and then the ENTER button

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

Trouble Powering Or 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 it before making a call to the service department. • If you happen to be using the TV as a monitor and the stand-by light only blinks for a few seconds when you ryess the power button, your PC is in sleep mode. To take your PC out of sleep mode, press a key on you keyboard or move the mouse. Then try turning your TV on. If you're sure your power cord, remote control, and PC are functioning properly, you may be having a cable issue. If you have a cable or satellite box, your TV may appear to be off because the cable or satellite box is not outputting a signal. To test the signal output of your cable or satellite box, press the guide or info button on the cable or satellite box remote control. If the screen displays the guide or info data, the problem is caused by the box. • If you have any trouble assembling the stand, refer to "Install the Stand" in the Start Up or Stand Installation Guide. Stand Assembly • Re-run Plug & Play or run Auto Program. (go to MENU - Channel - Auto Program) Cannot find a channe Poor Picture First, perform the Picture Test and to see if your TV is displaying the test image properly. 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 deliver HD (high definition) picture quality. The TV image does not look as good as it did in the store. 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 Adjust the Cable/Set top box video output resolution to 1080i or 720p 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. • Mobile phones used close to the TV (within 3.3ft) may cause noise in the picture on analog and digital channels. If you're using a component connection, make sure the component cables are connected to the correct tacks. Color is wrong or missing. Incorrect or loose connections may cause color problems or a blank screen · Adjust the Picture options in the TV menu. (go to Picture Mode / Color / Brightness / Sharpness) There is poor color or brightness • 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) • If the picture size is set to **Screen Fit**, change it to 16:9. There is a dotted line on the edge of · 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. Perform the **Sound Test** to confirm that your TV audio is properly operating. Sound Problems (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 Check the volume of the device (Cable/Sat Box, DVD, Blu-rav, 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. The speakers are making an Check the cable connections, Make sure a video cable is not connected to an audio input. · For Antenna or Cable connections, check the signal information. A weak signal may cause sound distortion.

Perform the Sound Test as explained above.

• 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 wall outlet is working.

Make sure the AC power cord is securely plugged into the wall outlet and the TV

• Make sure the AC power cord is plugged securely into the wall outlet and the TV.

Try pressing the POWER button on the TV to make sure the problem is not the remote.

• 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. 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. he 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 with top-box has a grounding issue. Replace the Component video cables with an HDMI connection Component cable connection The picture will not display in full screen. • 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. The remote control does not work • Replace the remote control's batteries. Make sure you insert them with the polarity (+/-) correct . 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. A "Mode Not Supported" message • Check the supported resolution of the TV and adjust the external device's output resolution accordinaly. Refer to 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 | • If TV is in the **Store Demo** mode, it will reset audio and picture settings every 30 minutes. Please change from every time the TV is turned off Check the cable connections and reconnect them. You have intermittent loss of audio or 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 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).

National 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/spsr

Some functions and pictures shown in this manual are available on specific models only. Nou 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

NOTE

screw specifications.

19~22

32~40

46~60

Securing the TV to the Wall

To prevent the TV from falling

of the TV.

tightly to the brackets.

professional installer.

When purchasing our wall mount kit, a detailed installation

manual and all parts necessary for assembly are provided

For wall mounts that do not comply with the VESA standard

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 product damage or personal injury

75 X 75

100 X 100

200 X 200

400 X 400

Caution: Pulling, pushing, or climbing onto the TV may cause the TV to fall. In particular, ensure that your

children do not hang over or destabilize the TV; doing so

may cause the TV to tip over, resulting in serious injuries or death. Follow all safety precautions provided on the

included Safety Flyer. For added stability, install the anti-

fall device for safety purposes, as follows.

not supplied, please purchase these separately

 $\ensuremath{\,^{\odot}}$ Since the necessary brackets, screws, and string or cable are

Insert the screws into the wall brackets and firmly fasten them to

We strongly recommend you drive the screws into a stud.

2. Using screws, insert the screws through the TV brackets, and then fasten the screws to the top VESA screw holes on the back

 ${\bf 3.}\,$ Connect the brackets on the TV and the brackets on the wall

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

To purchase a TV Holder kit, contact Samsung customer

with a strong string or cable, and then tie the string or cable

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

are at the same height or lower than the brackets on the TV. Until the string or cable before moving the TV.

the wall. Make sure the screws are firmly fixed to the wall.

M4

M8

Do not install your Wall Mount Kit while

your TV is turned on. It may result in

personal injury due to electric shock.

when a non-VESA or non-specified wall mount is used or the consumer fails to follow the product installation instructions.

screw specifications, the length of the screws may differ depending on the wall mount specifications.

Samsung is not liable for these kinds of accidents.

• Do not mount the TV at more than a 15 degree tilt.

. Always have two people mount the TV on a wall

Product | TV size in | VESA screw hole specs | Standard

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

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.	✓		✓
ound 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.			✓
nformation	You can see detailed information about the played file.	✓	~	~

Settings

mount on your own

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 register with the 10-digit registration code, you can download the VOD activation file. Once you play it using Media Play, the egistration is completed

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

Wall Mount Kit Specifications (VESA)

Storage and Maintenance

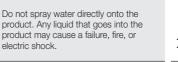
The wall mount kit is not supplied, but sold separately. Install your wall mount on a solid wall perpendicular to the floor When attaching to other building materials, please contact your nearest dealer. If you install the TV on a ceiling or slanted wall, it may fall and result in severe personal injury

electric shock.

nthe exterior and screen of the product can get scratched during cleaning. Be sure to wipe the exterior and screen carefully using a soft cloth to prevent scratches.



License



Clean the product with a soft cloth dampened with in a small amount of water. Do not use a flammable liquid (e.g. benzene, thinners) or a cleaning

SISO

TheaterSound, SRS and the @ symbol are trademarks of SRS Labs, Inc. TheaterSound technology is incorporated under licence from SRS Labs, Inc.

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.



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 Rovi 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.



DOLBY.

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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.

o send inquiries and requests for questions regarding open sources, contact Samsung via Email (oss.request@samsung.com). ■ This product uses some software programs which are distributed under the Independent JPEG Group.

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Kensington Lock

· Standard dimensions for wall mount kits are shown in the table The Kensington Lock is not supplied by Samsung. It is a device used to physically fix the system when using it in a public place. Refer to the manual provided with the Kensington Lock for additional

information on proper use . Do not use screws that do not comply with the VESA standard $\ \ \, \ \ \,$ Please find a " $\ \ \, \ \ \,$ icon on the rear of the TV. The Kensington Do not use screws that are longer than the standard dimension or do not comply with the VESA standard screw specifications. slot is beside the "A" icon.

The position and color may differ depending on the model.

Assembling the Cable manager



Display Modes (HDMI/DVI Input)

series:1366 x 768@60Hz / 5000 series: 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.

Problem	Possible Solution
Flickering and Dimming	If your Samsung Television is flickering or dimming sporadically, you may need to disable some of its energy efficier 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
	$ \bullet \ Eco Sensor : Menu \to Setup \to Eco Solution \to Eco Sensor \to 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, labele 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 setting 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}: \text{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 -4°F to 113°F (-20°C to 45°C) Operating Humidity Storage Temperature Model Name JN26EH4000 / UN26EH405 Display Resolution 1366 x 768 1366 x 768 Screen Size 26" Class 32" Class 32" Class 37" Class " measured diagonally) (37.0" measured diagonally) (Diagonal) 26.0" measured diagonally (31.5" measured diagonally) 5W x 2 Output 10W x 2 Dimensions (W x D x H) 29.0 X 3.6 X 17.5 inches 34.1 x 3.6 x 20.4 inches 24.2 X 3.6 X 14.3 inches 615.1 X 93.3 X 365.6 (mm) 738.8 X 93.3 X 436.7 (mm) With stand 34.1 x 8.9 x 22.6 inche 615.1 X 180.7 X 419.2 (n 8.8 X 191.7 X 493.3 (m 8.3 X 191.7 X 498.2 (mm 866.5 x 227.6 x 575.5 (mm)) 13.8 lbs (6.3 kg

WILLI STATIO	10.5 lbs (4.7 kg)	16	5.6 IDS (6.5 Kg) 14.5 IDS (6.6 Kį		(g)	22.2 IDS (10.1 Kg)
Model Name	UN40EH5000 / UN40EH50	050	UN46EH5000	/ UN46EH5050	UN5	50EH5000 / UN50EH5050 / UN50EH5070
Display Resolution			1920	x 1080		
Screen Size	40" Class		46" (Class		50" Class
(Diagonal)	(40.0" measured diagonal	y)	(45.9" measur	red diagonally)	(49	9.5" measured diagonally)
Sound						
Output			10W	/ x 2		
Dimensions (W x D x H)						
Body	36.5 X 3.6 X 21.6 inches (927.6 X 93.0 X 551.0 (mr			(24.6 inches 3 X 625.6 (mm))		14.7 X 3.7 X 26.3 inches 37.6 X 94.5 X 669.4 (mm))
With stand	36.5 X 8.9 X 23.8 inches (927.6 X 227.6 X 606.5 (m			(26.7 inches 6 X 680.7 (mm))		14.7 X 8.9 X 28.5 inches 37.6 X 227.6 X 725.0 (mm))
Weight						
Without Stand	19.8 lbs (9.0 kg)		27.5 lbs	(12.5 kg)		34.6 lbs (15.7 kg)
With Stand	24.2 lbs (11.0 kg)		31.9 lbs	(14.5 kg)		40.3 lbs (18.3 kg)

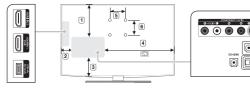
Design and specifications are subject to change without prior notice.

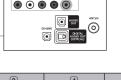
This device is a Class B digital apparatus. For information about the power required and more about power consumption, refer to the label attached to the product.

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/recyclingdirect or call, (877) 278-0799.

■ JACK PANEL DETAIL / REAR VIEW





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UN26EH4000 / UN26EH4050	5.4	3.6	2.8	13.9	3.9	3.9
UN32EH4000 / UN32EH4050	7.4	3.4	1.9	18.9	7.8	7.8
UN32EH5000 / UN32EH5050	7.4	3.4	4.2	19.0	7.8	7.8
UN37EH5000	8.7	5.1	5.7	22.4	7.8	7.8
UN40EH5000 / UN40EH5050	9.6	5.8	6.2	24.1	7.8	7.8
UN46EH5000 / UN46EH5050	11.6	5.2	7.7	29.8	15.7	15.7
DEH5000 / UN50EH5050 / UN50EH5070	12.5	6.7	8.5	31.3	15.7	15.7

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.

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