4000 4050 5000

5050

5070

user manual

Figures and illustrations in this User Manual are provided for reference only and may differ from actual product appearance. Product design and specifications may be changed without notice.

Important Warranty Information Regarding **Television Format Viewing**

See the warranty card for more information on warranty terms. Wide screen format LED Displays (16:9, the aspect ratio of the screen width to height) are primarily designed to view wide screen format full-motion video. The mages 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, hould be limited as described above for all televisions. Displaying stationary imag 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

 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 Authorize 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, Transportation to and from the Service Center is the responsibility of the purchaser. Conditions covered are limited only to manufacturing defects in material of purchaser. Conditions covered are inflitted only to final inflactualing defects in material or workmanship, and only those encountered 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 call toll-free In the United States: 1-800-SAMSUNG (1-800-726-7864) - In Canada : 1-800-SAMSUNG



Avoid displaying still images (such as jpeg picture files) or still image elements (such s TV channel logos, panorama or 4:3 image format, stock or news bars at screen ttom etc.) on the screen. Constant displaying of still pictures can cause ghosting of LED screen, which will affect image quality. To reduce risk of this effect, please follow

- · Avoid displaying the same TV channel for long periods. Always try to display any image on full screen, use TV set picture format menu for
- best possible match. Reduce brightness and contrast values to minimum required to achieve desired picture quality, exceeded values may speed up the burnout process.
- Frequently use all TV features designed to reduce image retention and screen burnout, refer to proper user manual section for details.

Securing the Installation Space Keep the required distances between the product and other objects (e.g., walls) to

Failing to do so may result in fire or a problem with the product due to an increase in the internal temperature of the product

When using a stand or wall-mount, use parts provided by Samsung If you use parts provided by another manufacturer, it may result in a

problem with the product or an injury due to the product falling. The appearance may differ depending on the product.

Be careful when you contact the TV because some parts can be somewhat

Installation with a stand.	Installation with a wall-mount.		
4inches 4inches 4inches	4inches 4inches 4inches 4inches		

DIEASE COLITACT TH	e SAMSUNG customer care of	enter.	
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 07660	
Customer Care Center 🖀	1-800-SAMSUNG (726-7864)	
Web Site	www.samsung.com/ca (English) www.samsung.com/ca_fr (French)	www.samsung.com/us	

© 2012 Samsung Electronics Co., Ltd. All rights reserved.

Getting Started

Accessories

Input Cables (Sold Separately)

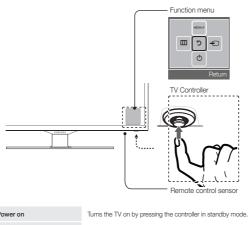
232 (AA39-00311A) dio JMI JMI-DVI	ComponentComposite (AV)Coaxial (RF)

Check the cable before plug-in

	Cable	Ports				
HDMI	000000000	залавлява				
USB						
Optical						

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

TV Controller (Panel Key)



Power on		Turns the TV on by pressing the controller in standby m
Adjusting the	volume	Adjusts the volume by moving the controller from side side when the power is on.
Selecting a ch	nannel	Selects a channel by moving the controller up and dow when the power is on.
Using the fund	ction menu	Press the controller when the power is on, then the fun menu screen appears. If you press it again, the function menu screen disappears.
Selecting the	Media Play	Selects the MEDIA.P by moving the controller in th function menu screen. The Media Play main scree appears.
Selecting the	MENU (III)	Selects the MENU(III) by moving the controller in the function menu screen. The OSD(On Screen Display) of TV's feature appears.
Selecting the List (-E)	Source	Selects the Source List (-) by moving the controller in function menu screen. The Source List screen appear
Power Off (🖰)	Selects the $\bf Power\ Off\ (\diamondsuit)$ to turn the TV off by moving controller in the function menu screen.

Exits the menu when pressing the controller more than 1 second

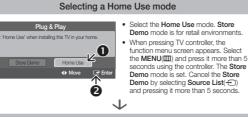
When selecting the function by moving the controller to the up/down/left/ right directions, be sure not to press the controller. If you press it first, you cannot operate it to move the up/down/left/right directions.

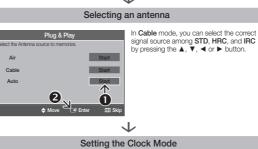
Plug & Play (Initial Setup)

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

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

Selecting a language splay) language $\mathbf{0}$







The connection method for the best HD screen quality is displayed.

J Enjoy your TV.

Press the ENTER button.

AV Device (1)

Blu-ray player / DVD / cable box

PC

Source List

1. Press the SOURCE button.

How to use Edit Name

Select a desired external input source.

Media Play

Using a HDMI (to DVI) Cable

sing a HDMl Cable (up to 1080p)

HDMI OUT

- · For better picture and audio quality, connect to a digital device using an HDMI cable. . For HDMI/DVI cable connection, you must use the HDMI IN 1(DVI) jack.
- The picture may not display normally (if at all) or the audio may not work if an external device that uses an older version of HDMI mode is connected to the TV. If such a problem occurs, ask the manufacturer of the external device above the HDMI version and, if out of
- Be sure to purchase a certified HDMI cable. Otherwise, the picture may not display or a connection error may occur.
 EX-LINK: Connector for service only.
- PC(D-Sub) and PC/DVI AUDIO IN input are not sup

COMPONENT / AV IN

AUDIO (1) (2) (2) (VIDEO

O

(up to 1080p)

- . Connecting through the HDMI cable may not be supported depending on the PC
- If an HDMI to DVI cable is connected to the HDMI IN 1(DVI) port, the audio does not work

• The side panel may differ depending on the mode

Audio Device (1)

VHF/UHF Antenna

splays and selects the available video Turns the TV on and off. -Turns the remote control light on or off. When n, the buttons become illuminated for a 1 | 2 | 3 moment when pressed. (Using the remote ontrol with this button set to On will reduce Press to directly access to channe 4 | .5 | 6 the battery usage time.) 7 8 9 Returns to the previous channel broadcasted by the same station. For example to select channel '54-3', press '54', then press PRE-CH Cuts off the sound temporarily · Changes channels. Displays the main on-screen menu MEDIA.P MENU SLEEP __ Automatically shuts off the TV at a prese Quickly select frequently used functions. Displays information on the TV screen Returns to the previous menu. A B C D P.SIZE: Lets you choose the picture size ZE MTS CC MTS: Press to choose stereo, mono or Separate Audio Program (SAP broadcast). CC: Controls the caption decoder SAMSUNG

🦠 This remote control has Braille points on the Power, Channel, and Volume buttons and can be used by visually impaired perso

Display Modes (HDMI/DVI Input) Optimal resolution

Remote Control

Mode	Resolution	Horizontal Frequency (KHz)	Vertical Frequency (Hz)	Pixel Clock Frequency (MHz)	Sync Polarity (H / V)	1366 x 768	1920 x 1
IBM	640 x 350	31.469	70.086	25.175	+/-	√	✓
IBM	720 x 400	31.469	70.087	28.322	-/+	✓	✓
	640 x 480	35.000	66.667	30.240	-/-	✓	✓
MAC	832 x 624	49.726	74.551	57.284	-/-	✓	✓
	1152 x 870	68.681	75.062	100.000	-/-		✓
	640 x 480	31.469	59.940	25.175	-/-	~	✓
	640 x 480	37.861	72.809	31.500	-/-	~	✓
	640 x 480	37.500	75.000	31.500	-/-	~	✓
	800 x 600	37.879	60.317	40.000	+/+	✓	✓
	800 x 600	48.077	72.188	50.000	+/+	✓	✓
	800 x 600	46.875	75.000	49.500	+/+	✓	✓
	1024 x 768	48.363	60.004	65.000	-/-	✓	✓
	1024 x 768	56.476	70.069	75.000	-/-	~	✓
	1024 x 768	60.023	75.029	78.750	+/+	~	✓
VESA DMT	1152 x 864	67.500	75.000	108.000	+/+		✓
	1280 x 720	45.000	60.000	74.250	+/+	✓	✓
	1280 x 800	49.702	59.810	83.500	-/+		✓
	1280 x 1024	63.981	60.020	108.000	+/+		✓
	1280 x 1024	79.976	75.025	135.000	+/+		✓
	1366 x 768	47.712	59.790	85.500	+/+	✓	✓
	1440 x 900	55.935	59.887	106.500	-/+		✓
	1600 x 900RB	60.000	60.000	108.000	+/+		✓
	1680 x 1050	65.290	59.954	146.250	-/+		✓
	1920 x 1080	67.500	60.000	148.500	+/+		~

Installing batteries (Battery size: AAA)

NOTE . Use the remote control within 23 feet from TV.

Caption

digital channels.

default is Standard.

default is Style 0.

Solid and Flashing.

- . Bright light may affect the performance of the remote control.
- d use when nearby fluorescent lights or neon signs. · The Color and shape may vary depending on the model.

□ Seeing Channels

Channel Menu

Channel List

Add, delete or set Favorite channels and use the program guide for digital broadcasts. Select a channel in the All Channels, Added Channels, Favorite or Programmed screen by pressing the A √ ▼ buttons, and pressing the ENTER → button. Then you can watch the selected channel.

	2	6 6-1	Air ▼ TV #6	
Added Channels	,FI	7-1	▼ TV #7	
hannels	6	8 9 9-1 10 10-1 11-1	Air Air ▼ TV #9 Air ▼ TV #10 ▼ TV #11	
	Air	Zoom I	Select 🞜 🛚	Tools ► Next Program

■ Mal Channels: Shows all currently available channels ■ Æ Added Channels: Shows all added channels.

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

■ Programmed: Shows all currently reserved programs.

Using the remote control buttons with the Channel List • Green (Zoom): Enlarges or shrinks a channel number. • Yellow (Select): Selects multiple channel lists. Select desired channels and press the Yellow button to set all the selected channels at the same time. The \checkmark mark appears to the left of

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

Channel Status Display icons

Icons	Operations
✓	A channel selected.
•	A channel set as a Favorite.
©	A reserved program.
台	A program currently being broadcast.

☐ Memorizing channels

Antenna (Air / Cable) TOOLS:

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

Auto Program

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

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

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

How to Stop Auto Programming Press the ENTER button 2. A message will ask Stop Auto Program? Select Yes by

pressing the ◀ or ▶ button. 3. Press the ENTER button

☐ Other Features

Clear Scrambled Channel

This function filters out scrambled channels after Auto Program is completed. This process may take up to 20~30 minutes Press the ENTER button to stop the Clear Scrambled

This function is only available in Cable mode

Channel List

Channel.

Channel List Option Menu TOOLS

Set each channel using the Channel List menu options. Option menu items may differ depending on the channel status.

■ Add / Delete: Delete or add a channel to display the channels All deleted channels will be shown on the All Channels

A gray-colored channel indicates the channel has been

The Add menu only appears for deleted channels.

Delete a channel from the Added Channels or Favorite menu in the same manner. ■ Add to Favorite / Delete from Favorite TOOLS : Set channels

ou watch frequently as Favorites. ■ Timer Viewing: You can set a desired channel to be displayed automatically at the set time; even when you are watching another channel. Set the current time first to use this function.

Only memorized channels can be reserved. Reserved programs will be displayed in the **Programmed**

 When a digital channel is selected, press the ► (Next) **Program**) button to view the digital program. If you select the ENTER (Schedule) button on the next program, you can set **Timer Viewing** directly.

■ Channel Name Edit (analog channels only): Assign your own

■ Select All: Select all the channels in the channel list. ■ Deselect All: Deselect all the selected channels. Nou can only select **Deselect All** when one or more

channels are selected. ■ Auto Program: Scans for a channel automatically and stores in

Programmed

(in Channel List)

- 5 -

You can view, modify or delete a show you have reserved to watch. ■ Change Info: Change a show you have reserved to watch.

■ Cancel Schedules: Cancel a show you have reserved to watch. ■ Information: Display a show you have reserved to watch. (You can also change the reservation Information.)

■ Select All / Deselect All: You can select or deselect all channels in the channel list.

Channel Mode

Favorite.

Fine Tune

(analog channels only)

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

channel banner

Mode TOOLS 2

When connecting a PC, you can only select Entertain and

■ Dynamic: Suitable for a bright room.

■ Movie: Suitable for watching movies in a dark room

Backlight / Contrast / Brightness / Sharpness /

Your television has several setting options for picture quality control. When connecting a PC, you can only make changes to

Advanced Settings

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

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

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

■ Dynamic Contrast (Off / Low / Medium / High): Adjusts the ■ Black Tone (Off / Dark / Darker / Darkest): Select the black level

■ Flesh Tone: Emphasize pink "flesh tone". ■ Motion Lighting (Off / On): Reduce power consumption by brightness control adapted motion.

Available in Standard mode only.

Change the channel mode directly between **Added Channels** and

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

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

Fine tuned channels that have been saved are marked with an asterisk "*" on the right-hand side of the channel number in the

To reset the fine-tuning, select Reset

Picture Menu

Select your preferred picture type.

■ Standard: Suitable for a normal environment.

■ Entertain: Suitable for watching movies and games. Only available when connecting a PC.

Backlight, Contrast, Brightness and Sharpness

(available in **Standard / Movie** mode)

Compared to previous models, new Samsung TVs have a more When connecting a PC, you can only make changes to **Gamma**

■ White Balance: Adjusts the color temperature for a more natural

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

■ Gamma: Adjusts the primary color intensity.

to adjust the screen depth.

Picture Options

When connecting a PC, you can only make changes to the

Color Tone, Size and HDMI Black Level. ■ Color Tone (Cool / Standard / Warm1 / Warm2)

Warm1 or Warm2 will be deactivated when the picture mode is Dynamic. ■ Size: Your cable box/satellite receiver may have its own set of screen sizes as well. However, we highly recommend you use 16:9

mode most of the time. 16:9: Sets the picture to 16:9 wide mode. Zoom1: Use for moderate magnification.

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

Zoom2: Use for a stronger magnification Wide Fit: Enlarges the aspect ratio of the picture to fit the entire

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

Screen Fit (DTV): Displays the full image without any cut-off when HDMI (720p / 1080i / 1080p) or Component (1080i / 1080p) signals are inputted.

HD (High Definition): 16:9 - 1080i/1080p (1920x1080), 720p (1280x720) Settings can be adjusted and stored for each external device

you have connected to an input on the TV.

Picture Sizes available by Input Source: 16:9. Zoom1. Zoom2. 4:3 ATV, AV, Component (480i, 480p) DTV(1080i, 1080p), Component 16:9. Wide Fit. 4:3. Screen Fi (1080i, 1080p), HDMI (720p, 1080i,

■ Digital Noise Filter (Off / Low / Medium / High / Auto): If the broadcast signal received by your TV is weak, you can activate the Digital Noise Filter feature to reduce any static and ghosting that may appear on the screen.

When the signal is weak, try other options until the best picture is displayed. ■ HDMI Black Level (Normal / Low): Selects the black level on the

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.

Picture Reset

Available in ATV, DTV(interlace), AV, COMPONENT (480i / 1080i) and HDMI (480i / 1080i). ■ LED Motion Plus (Off / On): Removes drag from fast scenes with

a lot of movement to provide a clear picture.

selected mode to the default settings.

Resets your current picture mode to its default settings.

■ Reset Picture Mode: Returns all picture values in the currently

Sound Menu

Mode TOOLS ₪

Changing the Input Source

Blu-ray player / cable box / STB satellite receiver.

■ TV / AV / Component / HDMI1/DVI / HDMI2

following selections appear under Edit Name:

Use to select TV or an external input source such as a DVD player.

You can only choose external devices that are connected to the

TV. In the **Source List**, connected inputs will be highlighted.

Edit Name lets you associate a device name to an input source. To

access Edit Name, press the TOOLS button in Source List. The

■ 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.

better listening experience for the hearing impaired.

Equalizer

(standard sound mode only) ■ Balance L/R: Adjusts the balance between the right and left

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

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

■ Reset: Resets the equalizer to its default settings.

SRS TruSurround HD

SRS TruSurround HD is a natented SRS technology that solves the problem of plaving 5.1 multichannel content over two speakers. TruSurround delivers a compelling, virtual surround sound experience through any two-speaker playback system, including internal

television speakers. It is fully compatible with all multichannel formats **Preferred Language**

Digital-TV broadcasts are capable of simultaneous transmission of many audio tracks (for example, simultaneous translations of the

You can only select a language from among the ones being

Multi-Track Sound (MTS) (analog channels only)

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

Depending on the program being broadcast, you can listen to

■ Stereo: Choose for channels that are broadcasting in stereo ■ SAP: Choose to listen to the Separate Audio Program, which is usually a foreign-language translation.

Auto Volume

Mono, Stereo or SAP.

Because each broadcasting station has its own signal conditions, the volume may fluctuate each time channel is changed. This feature lets you automatically adjust the volume of the desired channel by lowering the sound output when the modulation signal is high or by raising the sound output when the modulation signal is low.

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

SPDIF Output The SPDIF (Sony Philips Digital InterFace) outputs an uncompressed digital audio signal when you connect the digital audio jack on the

format. The available Digital Audio output (SPDIF) format may differ depending on the input source. ■ By connecting the TV to a receiver or home theater with Dolby
■ Volume: Set the desired volume level Digital and 5.1ch speakers and selecting Dolby Digital, you can maximize your interactive 3D sound experience.

■ 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

Audio Device (2)

■ VCR / DVD / Cable STB / Satellite STB / PVR STB / AV

Receiver / Game / Camcorder / PC / DVI PC / DVI / TV / IPTV

/ Blu-ray / HD DVD / DMA: Name the device connected to the input jacks to make your input source selection easier.

When connecting a PC to the HDMLIN 1(DVI) port with HDML

cable, you should set the TV to PC mode under Edit Name.

When connecting a PC to the HDMI IN 1(DVI) port with HDMI

When connecting an AV devices to the HDMI IN 1(DVI) port

You can see detailed information about the connected external

with HDMI to DVI cable, you should set the TV to DVI mode

to DVI cable, you should set the TV to DVI PC mode under Edit

Using an Optical (Digital) Cable

slider. Press ENTER when done (0ms ~ 250ms).

under Edit Name.

Information

Speaker Select ■ 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

external speakers will be mute.

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

Setup Menu

□ Setting the Time

The current time will appear every time you press the INFO

■ Clock: Setting the clock is for using various timer features of the

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

Clock Mode: Set the current time manually or automatically. Clock Set: Set the Month. Dav. Year. Hour. Minute and am/pm. Available only when Clock Mode is set to Manual. Time Zone: Select your time zone.

DST (Daylight Saving Time): Switches the DST (Daylight Saving

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

DST and Time Zone function is only available when the Clock Mode is set to Auto.

Timer 1 / Timer 2 / Timer 3

60, 90, 120, 150 and 180 minutes)

To cancel the Sleep Timer, select Off

Three different on / off timer settings can be made. You must set the back of the TV to a digital audio in jack on a receiver or home theater. clock first, ■ On Time / Off Time: Set the hour, minute, am/pm and Activate /

Inactivate. (To activate the timer with the setting you have chosen. set to Activate.)

■ Contents: When the On Time is activated, you can turn on a specific channel or play back contents such as photo or audio

- TV/USB: Select TV or USB. (Make sure that an USB device is

- Antenna: Displays the current antenna source - Channel: Select the desired channel. - Music/Photo: Select the folder containing MP3/JPEG files on

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

The maximum displayed number of files, including sub

Sat~Sun or Manual to set at you convenience. If you select

Manual, you can set up the day you want to activate the timer.

connected to your TV.)

the USB device.

☐ Other Features

Program Rating Lock The Program Rating Lock feature automatically locks out programs that are deemed inappropriate for children. The user must enter a PIN (personal identification number) before any of the

Program Rating Lock restrictions are set up or changed. Program Rating Lock is not available in HDMI or Component mode The default PIN number of a new TV set is "0-0-0-0".

■ Program Rating Lock: You can block rated TV Programs.

■ TV Parental Guidelines: You can block TV programs depending on their rating. This function allows you to control what your children are watching. ■ MPAA Rating: You can block movies depending on their MPAA Picture Association of Ame implemented a rating system that provides parents or guardians

with advanced information on which films are appropriate for

children. ■ Canadian English: You can block TV programs depending on their Anglophone Canadian.

■ Canadian French: You can block TV programs depending on

■ Downloadable U.S. Rating: Parental restriction information can

be used while watching DTV channels. ■ Change PIN: The Change PIN screen will appear. Choose any 4 digits for your PIN and enter it in Enter New PIN. Re-enter the same 4 digits in Confirm New PIN. When the Change PIN screen disappears, press the OK button. The TV has

memorized your new PIN. If you forget the PIN, press the remote-control buttons in 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)

Language Set the menu language

selecting the game menu.

Choose between English, Español and Français.

their French Canadian rating

Game Mode When connecting to a game console such as PlayStation $^{\mathsf{TM}}$ or Xbox™, you can enjoy a more realistic gaming experience by

Precautions and limitations for game mode

 To 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

Same Mode is not available when the input source is set

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

Unfortunately, you may notice 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 o HDMI mode. ■ Caption Mode: You can select the desired caption mode. Default / CC1~CC4 / Text1~Text4: (analog channels only) The Analog Caption function operates in either analog TV channel mode or when a signal is supplied from an external device to the TV. (Depending on the broadcasting signal, the Analog

Caption function may or may not work with digital channels.) Default / Service1~Service6 / CC1~CC4 / Text1~Text4: (digital channels only) The Digital Captions function works with

Service1~6 may not be available in digital caption mode depending on the broadcast. ■ Digital Caption Options: (digital channels only) Size: Options include Default, Small, Standard and Large. The

Green, Blue, Yellow, Magenta and Cyan. You can change the color of the letter. The default is White. Background Color: Options include Default, White, Black, Red, background color of the caption. The default is Black. Foreground Opacity: This adjusts the opacity of text. Options

include Default, Transparent, Translucent, Solid and Flashing,

Background Opacity: This adjusts the opacity of the caption

background. Options include Default, Transparent, Translucent,

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

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

Return to Default: This option sets each Size, Font Style, Foreground Color, Background Color, Foreground Opacity and Background Opacity to its default. Digital Caption Options are available only when Default

and Service1 ~ Service6 can be selected in Caption The Foreground and Background cannot be set to have

Melody Set so that a melody plays when the TV is turned on or off. The Melody does not play

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

button has been pressed.

■ Auto Protection Time (Off / 2 hours / 4 hours / 8 hours / 10 hours): If the screen remains idle with a still image for a certain

period of time defined by the user the screen saver is activated to prevent the formation of ghost images on the screen.

• When no sound is output from the TV because the volume has been reduced to minimum with the VOL - buttor

Auto Protection Time

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

in the room.

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

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

savings; the picture settings will automatically adapt to the light

Min. Backlight: When Eco Sensor is On, the minimum screen brightness can be adjusted manually.

(become slightly darker in most cases) depending on the surrounding light intensity. ■ 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

1. Press the MENU button. Press the ▲ or ▼ button to select off when no user operation is received for 4 hours.

Support Menu

Self Diagnosis

■ Picture Test: Use to check for picture problems. If the problem continues to occur, check the color pattern

■ Sound Test: Use the built-in melody sound to check for sound

■ Signal Strength: (digital channels only) An HD channel's

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

■ Reset: Reset all settings to the factory defaults The PIN input screen appears before the setup screen.

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

Software Upgrade

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

HD Connection Guide

Refer to this information when connecting external devices to the

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

regarding our call centers and how to download products and

*I*ledia Play

Troubleshooting

Flickering and Dimming

Component Connections

Screen Brightness

Trouble Powering On

Stand Assembly

Poor picture

Cannot find channe

The TV image does not look as good as it did in the store.

The picture is distorted: macroblock error, small block, dots, pixelization.

Color is wrong or missing



samsung.com, then click on Support, or call Samsung customer service at 1-800-SAMSUNG.

these features off or on.

· Re-run plug and play

. If the test is ok, try making sure

used the AV Out jack on your video source.

Sleep Timer : User Menu → Setup → Time → Sleep Timer

keyboard or move the mouse. Then try turning your TV on.

Go to MENU - Support - Self Diagnosis - Picture Test

Cable/Satellite subscribers: Try HD channels from the channel line up.

Adjust the Cable/Set top box video output resolution to 1080i or 720p.

· A weak signal can cause picture distortion. This is not a TV problem

- 13 -

Air/Cable Antenna connection: Try HD channels after performing Auto program.

Many HD channels are up scaled from SD(Standard Definition) contents.

No Signal Power Off: User Menu → Setup → Eco Solution → No Signal Power

 $\bullet \ \, \text{Auto Power Off : User Menu} \to \text{Setup} \to \text{Eco Solution} \to \text{Auto Power Off}$

□ Connecting a USB Device

2. Connect a USB device containing photo, music and/or movie files to the USB jack on the side of the TV.

3. When USB is connected to the TV, you can select Media Play (USB) in Application menu.

☐ Using the Media Play Menu



Application, then press the ENTER button.

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

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

It might not work properly with unlicensed multimedia files.

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

• The file system supports FAT16, FAT32 and NTFS.

Certain types of USB Digital camera and audio devices may not

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

Readers. Devices should be connected directly to the TV's USB port. USB HDD is not supported. Before connecting your device to the TV, please back up you

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

• 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

managing billings and settlements.

If your Samsung Television is flickering or dimming sporadically, you may need to disable some of its energy efficient features like the Eco Sensor or the Energy Saving feature. If you follow below step with your remote, you can turn

If you find that the color on your Samsung television's screen is not correct or black and White, first run a Self

• Your connections are all consistent. For example, if you've used the AV In jack on your TV, make sure you have

Try making sure you have connected to the correct jacks. For example, if you use the Component jacks, labeled

If you find that the colors on your Samsung TV are correct but just a little too dark or bright, there are some settings

Before Turn on check red light on the right or left bottom of your TV. Press power on button on TV or remote

If you find that you are having trouble powering on your Samsung television, there are a number of things to check

• 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

If you're sure your power cord, remote control, and PC are functioning properly, you may be having a cable issue. If

ou 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

If you have any trouble to assemble the stand though you refer to "Install the Stand" mentioned at separate quide.

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.

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 jacks.
 Incorrect or loose connections may cause color problems or a blank screen.

ression of video contents may cause picture distortion, especially on fast moving pictures such as sports

box remote control. If the screen displays the guide or info data, the problem is caused by the box

First, perform the **Picture Test** and to see if your TV is properly displaying the test image.

If the test image is properly displayed, the poor picture may be caused by the source or signal.

Pb, Pr, and Y, to connect your TV and video source, make sure you have connected the blue Pb jack 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.

"Not Supported File Format" message appears • The TV cannot play MP3 files with DRM that have been nloaded from a for-pay site. Digital Rights Management (DRM) is a technology that supports the creation, distribution,

comprehensive way, including protecting the rights and interest of content providers, preventing illegal copying of contents, and

Enjoy photos, music and/or movie files saved on a USB Mass Storage Class (MSC) device.



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

• Energy saving : User Menu → Setup → Eco Solution → Energy Saving

 $\bullet \ \, \mathsf{Self \, Diagnosis} : \mathsf{User \, Menu} \to \mathsf{Support} \to \mathsf{Self \, Diagnosis} \to \mathsf{Picture \, Test} \\$

• Eco Sensor : User Menu \rightarrow Setup \rightarrow Eco Solution \rightarrow Eco Sensor

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

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

 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

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

Photos only supports sequential jpeg format.

• The scene search and thumbnail functions are not supported in the

 If the number of files and folders saved on a USB storage device is approximately over 4000, the files and folders may not appear and some folders may not be opened. $\ensuremath{^{\bullet}}$ 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

Videos



PTP device is not supported

ecognized or may malfunction.

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

2. Press the ◀/▶/▲/▼ button to select the desired video in the file

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

 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
 Video Decoder

you cannot play the game itself.

 Supported Subtitle Formats External

There is poor color or brightness

There is a dotted line on the edge of

Sound Problem

The speakers are making an

The cable/set top box remote control does not turn the TV on or off, or adjust

A "Mode Not Supported" message

the volume.

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

Name Container Format

Xsub	AVI	Picture Format
SubStation Alpha	MKV	Text Format
Advanced SubStation Alpha	MKV	Text Format
SubRip	MKV	Text Format
MPEG-4 Timed text	MP4	Text Format

Supported Video Formats

	*.mp4	MP4	3.11/4.x/5.1/6.0	1920x1080	6~30	30Mbps	MP3 /
			H264	1920x1080	6~30	30Mbps	ADPCM /
	,	İ	AVC	1920x1080	6~30	30Mbps	AAC
			MJPEG	640x480	6~30	10Mbps	1
			DivX 3.11/4.x/5.1/6.0	1920x1080	6~30	30Mbps	MP3 / AC3 /
	*.avi	AVI,	MPEG4 SP / ASP	1920x1080	6~30	30Mbps	LPCM /
	*.mkv	MKV	H264	1920x1080	6~30	30Mbps	ADPCM
			MJPEG	640x480	6~30	10Mbps	/ DTS Core
			DivX 3.11 / 4.x /5.1 / 6.0	1920x1080	6~30	30Mbps	MP3 / AC3 / LPCM /
	*.asf	ASF	MPEG4 SP / ASP	1920x1080	6~30	30Mbps	
	*.wmv		H.264	1920x1080	6~30	30Mbps	/ WMA / WMA Pro
	*.ts		MPEG2	1920x1080	6~30	30Mbps	AC3 /
	*.trp *.tp *.m2ts	TS	H. 264 BP / MP / HP	1920x1080	6~30	30Mbps	AAC / MP3 / DD+ / HE-AAC
	*.dat	npg peg PS	MPEG1	1920x1080	24/25/30	30Mbps	AC3/
	*.mpg		MPEG2	1920x1080	24/25/30	30Mbps	MPEG /
	*.mpeg *.vob		H. 264 BP / MP / HP	1920x1080	6~30	30Mbps	LPCM / AAC
	* Onn	3GPP	MPEG4 SP / ASP	1920x1080	6~30	30Mbps	MP3
	*.3gp	JGPP	H.264	1920x1080	6~30	30Mbps	IMPS
	*.flv	flash	H.264	1920x1080	6~30	30Mbps	MP3
	*.swf	formats	Sorenson H.263	1920x1080	6~30	30Mbps	I WIF 3

Other Restrictions

• Video content will not play, or not play correctly, if there is an error in the content or the container.

• Sound or video may not work if the contents have a standard bit rate/ frame rate above the compatible Frame/sec listed in the table above.

- The selected file is displayed on the top with its playing time. • If the Index Table is in error, the Seek (Jump) function is not supported. • The menu may take longer to appear if the video's bit rate exceeds

· Video content can not be played, if there are many contents in one file

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.

Audio Decoder

GMC is not support

Supports up to WMA7, 8, 9 STD, 9 PRO, 10 PRO WMA 9 PRO and WMA 10 PRO support 5.1 channel. (LBR mode of WMA Pro is not supported)

WMA Lossless is not supported

- 10 -

. Adjust the Picture options in the TV menu. (go to Picture Mode / Color / Brightness / Sharpness Adjust Energy Saving option in the TV menu. (go to MENU - Setup - Eco Solution - Energy Saving)
 Try resetting the picture to view the default picture setting. (go to MENU - Picture - Picture Reset) • If the picture size is set to Screen Fit, change it to 16:9. · Change cable/satellite box resolution.

 If you are using an AV composite input, connect the video cable (yellow) to the Green jack of component input 1 on the TV. The picture is black and white • 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

First of all, please perform the **Sound Test** to confirm that your TV audio is properly operating.

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

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

(go to MENU - Support - Self Diagnosis - Sound Test) If the audio is OK, the sound problem may caused by the source or signal. Please check the volume of the device (Cable/Sat Box, DVD, Blu-ray, etc.) connected to your TV. There is no sound or the sound is too The picture is good but there is no If you are using an external device, check the device's audio output option (ex. you may need to change your cable box's audio option to HDMI when you have a HDMI connected to your TV). Reboot the connected device by reconnecting the device's power cable.

· Perform the Sound Test as explained above. Backlight, Contrast, Brightness, Sharpness, Color, Tint and so on. Go in to "Picture" on user Menu then try
adjusting options mentioned above. No Picture, No Video 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. Make sure the AC power cord is securely plugged into the wall outlet and the TV. The TV will not turn on 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. First make sure you Sleep Timer is not accidentally set. The sleep timer allows you the comfort of falling asleep with the TV still on but, turns it off after a certain period of time so as not to waste energy. The TV turns off automatically • Ensure the Sleep Timer is set to Off in the Time menu. If the Sleep Timer is not activated, you may have engaged the No Signal Power Off or Auto Power Off feature. If your PC is connected to the TV, check your PC power settings

 Make sure the AC power cord is plugged in securely to the wall outlet and the TV.

 When you are watching TV connected to an antenna or cable connection, the TV will turn off after 10 - 15 minutes. if there is no signal. Check the cable connections. (Remove and reconnect all cables connected to the TV and external devices). Set your external device's (Cable/Sat Box, DVD, Blu-ray 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.

 Be sure to select the TV's correct source by pressing the SOURCE button on the remote control. Reboot the connected device by reconnecting the device's power cable. RF(Cable/Antenna) Connection The TV is not receiving all channels. Make sure the coaxial cable is connected securely.

Please try Auto Program to add available channels to the channel list.
go to MENU - Channel - Auto program then select Auto and make sure the correct Cable TV signal type is set in the menu. There are 3 options. (STD, HRC and IRC) · Verify the antenna is positioned correctly. Check the Caption Setup menu. Try changing Caption Mode Service 1 to CC1 No Caption on digital channels. 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 sports error, small block, dots, pixelization A weak signal can cause picture distortion. This is not a TV problem

- 14-

resolution settings in this manual.

Purple/green rolling horizontal bars and buzzing noise from the TV speakers with

• Remove the left and right audio connections from the set-top-box. If the buzzing stops, this indicates that the set-top-box has a grounding issue. Replace the Component video cables with an HDMI connection. buzzing noise from the TV speakers with 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 & Bottom will be shown on movies that have aspect ratios different from your TV. Adjust the picture size option on your external device or change the TV to full screen. The remote control does not work. Replace the remote control batteries with correct polarity (+/-). Clean the transmission window located on the top of the remote control.
 Try pointing the remote directly at the TV from 5-6 feet away.

Program the Cable/Set top box remote control to operate the TV. Refer to the Cable/Set top box user manual for the SAMSUNG TV code.

Check the supported resolution of the TV and adjust the external device's output resolution accordingly. Refer to

⊜dts 2.0+Digital Out

HDMI

License

of DTS, Inc. Product includes software. © DTS, Inc. All Rights

Playing Multiple Files

■ Playing selected video/music/photo files

1. Press the Yellow button in the file list to select the desired file.

2. Repeat the above operation to select multiple files.

NOTE

 ${}^{\bullet}$ The ${\checkmark}$ mark appears to the left of the selected files. · To cancel a selection, press the Yellow button again

Deselect All.

• To deselect all selected files, press the TOOLS button and select

3. Press the TOOLS button, and then select Play Selected■ Playing the video/music/photo file group

1. While a file list is displayed, move to any file in desired group

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

Media Play - Additional Functions

■ Videos/Music/Photos Play Option menus When playing a file, press the TOOLS button.

Only displays the files with MP3 and PCM file extension. Other file extensions are not displayed, even if they are saved on the Category Operation Videos Music Photos You can move the other file directly. If the sound is abnormal when playing MP3 files, adjust the

. Press the ◀ or ▶ button to select Music, then press the

2. Press the /▶/▲/▼ button to select the desired Music in the file

 $\ \ \, \ \ \,$ During music playback, you can search using the $\ \ \, \blacktriangleleft$ and $\ \ \, \blacktriangleright$

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

Equalizer in the Sound menu. (An over-modulated MP3 file

1. Press the ◀ or ▶ button to select Photos, then press the

button on the remote control to start the slide show

During the slide show files are displayed in order.

You can move to other file using

or

button.

Base-line

(◄) (REW) or (►) (FF) button.

Image Photo

. CMYK, YCCK Color space JPEG are not supported

Supported Photo Formats

Other Restrictions

The Channel menu is grey out

You see small particles when you look

2. Press the </ /

/ ► / ▲ / ▼ button to select the desired photo in the fi

While a photo list is displayed, press the ► (Play) / ENTER

All files in the file list section will be displayed in the slide show.

During the slide show, you can adjust the slide show speed using

ENTER button in the Media Play menu.

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

ENTER button in the Media Play menu.

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

same USB device.

Photos

NOTE

may cause a sound problem.)

					I
Repeat N	Mode	You can play movie and music files repeatedly.	~	~	
Picture S	ize	You can adjust the picture size to your preference.	~		
Picture N	lode	You can adjust the picture setting.	✓		✓
Sound M	ode	You can adjust the sound setting.	~	~	✓
Subtile S	etting	You can play the video with Subtitles. This function only works if the subtitles are the same file name as the video.	~		
Audio Fo	rmat	You can select the digital audio output format.	~		
Audio Language	e	You can change the audio language if the video has more than one language.	~		
Stop Slid Show / Start Slid Show		You can start or stop a Slide Show.			~
Slide Sho Speed	ow	You can select the slide show speed during the slide show.			~
Backgrou Music	und	You can set and select background music when watching a Slide Show.			~
Zoom		You can zoom into images in full screen			1

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

■ Information: Select to view information on the connected device.

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

Other Information

Installing the Wall Mount Kit

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

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

Wall Mount Kit Specifications (VESA)

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

- Standard dimensions for wall mount kits are shown in the table
- When purchasing our wall mount kit, a detailed installation manual and all parts necessary for assembly are provided.
- . Do not use screws that do not comply with the VESA standard • 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
- screw specifications, the length of the screws may differ depending on the wall mount specifications. · Do not fasten the screws too firmly. This may damage the
- product or cause the product to fall, leading to personal injury. Samsung is not liable for these kinds of accidents. · Samsung is not liable for product damage or personal injury
- when a non-VESA or non-specified wall mount is used or the consumer fails to follow the product installation instructions.

Do not install your Wall Mount Kit

while your TV is turned on. It may

result in personal injury due to electric

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

Always have two people mount the TV on a wall.				
Product Family	TV size in inches	VESA screw hole specs (A * B) in millimeters	Standard Screw	Quantity
LED-TV	19~22	75 X 75	M4 M6	4
	26	100 X 100		
	32~40	200 X 200		
	46~60	400 X 400	M8	

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

Securing the TV to the Wall

To prevent the TV from falling $\ensuremath{\,^{ imes}}$ Since the necessary clamps, screws, and string are not

supplied, please purchase these additionally

on the included Safety Flyer. For added stability, install

the anti-fall device for safety purposes, as follows.

1. Drive the screws into the clamps and firmly fasten them onto the wall. Make sure the screws are firmly fixed into the wall. 2. Remove the screws from the back center of the TV, put the

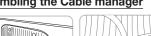
screws into the clamps, and then fasten the screws onto the TV

- 3. Connect the clamps fixed onto the TV and the clamps fixed onto
- the wall with a strong cable and then tie the string tightly. Nerify 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
- Install the TV close to the wall so that it does not fall. It is safe to connect the string so that the clamps fixed on the wall are equal to or lower than the clamps fixed on the TV.

used to physically fix the system when using it in a public place. Refer to the manual provided with the Kensington Lock for

slot is beside the "R" icon.

The position and color may differ depending on the model.





Caption must be activated on the external device There is a plastic smell from the TV. This smell is normal and will dissipate over time. TV Signal Strength is unavailable in the Self Diagnosis Test menu.

• This function is only available for digital channels from an Antenna / RF/Coax connection. TV is tilted to the right or left side . Remove the stand base from the TV and reassemble it

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

15360 x 8704

If TV is in the Store Demo mode, it will reset audio and picture settings every 30 minutes. Please change from Your settings are lost after 30 minutes or every time the TV is turned off. Store Demo mode to Home Use mode using the Plug & Play procedure. Press the SOURCE button to select TV mode, go to MENU \rightarrow Setup \rightarrow Plug & Play \rightarrow ENTER \blacksquare You have intermittent loss of audio or 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

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

 This is part of the product's design and is not a defect. closely at the edge of the frame of the TV. POP (TV's internal banner ad) appears • Select Home Use under Plug & Play mode. For details, refer to Plug & Play (Initial Setup).

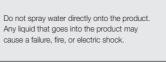
🦠 This TFT LED panel uses a panel consisting of sub pixels which require sophisticated technology to produce. However, there may be a few bright or dark

Nou can keep your TV as optimum condition to upgrade the latest firmware on web site (samsung.com → Support → Downloads) by USB.

Storage and Maintenance

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

If you attached some stickers on the TV screen, it remains some debris after removing the sticker. Please clean it to watch TV. 🔊 The exterior and screen of the product can get scratched during cleaning. Be sure to wipe the exterior and screen carefully using a soft cloth to prevent



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

iries and requests for questions regarding open sources, contact Samsung via Email (os

This product uses some software programs which are distributed under the Independent JPEG

insign (c) 1892-2000 interest values and the second control of the software and collected of control of the software and ciated documentation files (the "Software"), to deal in the Software without restriction, including utilization of the profits to use, copy, modify, merge, publish, distribute, and/or self copies of lawer, and to permit persons to whom the Software is furnished to do so, provided that the attigible to the software and this permission notice appear in all copies of the Software and that both the copyright notice(s) and this permission notice appear in supporting documentation.

FIVMARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR
N, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FIN
PARTICULAR PURPOSE AND NONINFRINGEMENT OF THIRD PARTY RIGHTS. IN NO
THE COPYRIGHT HOLDER OR HOLDERS INCLUDED IN THIS NOTICE BE LIABLE FO
AMM, OR ANY SPECIAL INDIFFECT OR CONSEQUENTIAL DAMAGES, OR ANY DAW
DEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACT
ACT IN FIGH (SERVICE OR OTHER TORTIOLIS ACTION) ARBINIS OLIT OF OR IN CONNE

cept as contained in this notice, the name of a copyright holder shall not be used in advi nerwise to promote the sale, use or other dealings in this Software without prior written a the conwright holder:

PYRIGHT AND PERMISSION NOTICE

byright (c) 1995-2008 International Business Machines Corp.

ound, SRS and the 🧿 symbol are trademarks of SRS

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

pixels on the screen. These pixels will have no impact on the performance of the product.

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

DIVX. ABOUT DIVX VIDEO: DivX® is a digital video format created by DivX, LLC, a subsidiary of Rovi port DVM NULSC. EWAS a Guiglar Water United Season United Viseason (2) EWA, EUS, a substaulary of Interportation. This is an official DWA Certified® device that plays DWA video. Visit diw. com for mation and software tools to convert your files into DWA videos. ABOUT DWA VIDEO-ON to DWA Certified® device must be registered in order to play purchased DWA Video-on-Der ries. To obtain your registration code, locate the DWA VOD section in your device setup m

DOLBY. Manufactured under license from Dolby Laboratories. Dolby and the double-D symbol are trademarks of Dolby Laboratories.

the following U.S. patents: 7.295.673: 7.460.668: 7.515.710: 7.519.274 DivX®. DivX Certified® and

DMI Licensing LLC in the United States and other countries

Operating Temperature 50°F to 104°F (10°C to 40°C) 10% to 80%, non-condensing Operating Humidity Storage Temperature -4°F to 113°F (-20°C to 45°C) Storage Humidity Model Name UN26EH4000 / UN26EH4050 | UN32EH4000 / UN32EH4050 | UN32EH5000 / UN32EH5050 Display Resolution 1366 x 768 1366 x 768 26" Class 32" Class (Diagonal) 26.0" measured diagonally (31.5" measured diagonally) (31.5" measured diagonally) (37.0" measured diagonally) 5W x 2 Output 10W x 2 Dimensions (W x D x H) 24.2 X 3.6 X 14.3 inches (615.1 X 93.3 X 365.6 (mm) 29.0 X 3.6 X 17.1 inches (738.8 X 93.3 X 436.7 (mm)) 29.0 X 3.6 X 17.5 inches (738.3 X 93.2 X 444.9 (mm)) (866.5 x 93.0 x 519.2 (mm) With stand 24.2 X 7.1 X 16.5 inches 29.0 X 7.5 X 19.4 inches 29.0 X 7.5 X 19.6 inches 34.1 x 8.9 x 22.6 inches 615.1 X 180.7 X 419.2 (m 38.8 X 191.7 X 493.3 (mr 738.3 X 191.7 X 498.2 (mr (866.5 x 227.6 x 575.5 (mm)) Without Stand 9.2 lbs (4.2 kg) 12.5 lbs (5.7 kg) 17.6 lbs (8.0 kg)

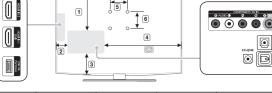
UN50EH5000 / UN50EH5050 UN40EH5000 / UN40EH5050 Model Name UN46EH5000 / UN46EH5050 Display Resolution 1920 x 1080 46" Class (45.9" measured diagonally) (40.0" measured diagonally) (49.5" measured diagonally) (Diagonal) 10W x 2 Output Dimensions (W x D x H) 44.7 X 3.7 X 26.3 inches (1137.6 X 94.5 X 669.4 (mm)) 41.7 X 3.7 X 24.6 inches (1059.8 X 94.3 X 625.6 (mm)) With stand 36.5 X 8.9 X 23.8 inches 41.7 X 8.9 X 26.7 inches 44.7 X 8.9 X 28.5 inches Without Stand 19.8 lbs (9.0 kg) 27.5 lbs (12.5 kg) 34.6 lbs (15.7 kg) 31.9 lbs (14.5 kg 40.3 lbs (18.3 kg) 24.2 lbs (11.0 kg

For information about power supply, 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/

7.4

UN32FH4000 / UN32FH4050



(Unit: inches) 18.9 7.8 7.8

stallation of your TV. Not responsible for typographical or printed errors © 2012 Samsung Electronics America, Inc

The Kensington Lock is not supplied by Samsung. It is a device additional information on proper use.

Assembling the Cable manager



13.8 lbs (6.3 kg With Stand 22.2 lbs (10.1 kg)

Design and specifications are subject to change without prior notice.

This device is a Class B digital apparatus.

recyclingdirect or call (877) 278-0799 ■ JACK PANEL DETAIL / REAR VIEW

UN40EH5000 / UN40EH5050 7.8 31.3 UN50EH5000 / UN50EH5050 / UN50EH5070 NOTE: All drawings are not necessarily to scale. Some dimensions are subject to change without prior notice. Refer to the dimensions prior to performing

3.4

- 16 -

7.8

1.9

