4000 4050 5000

5050

5070

Important Warranty Information Regarding

Figures and illustrations in this User Manual are provided for reference

Television Format Viewing

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 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 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 your Samsung limited warranty

Purchaser only.

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 upgrades, or consumables.

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



only and may differ from actual product appearance. Product design and

specifications may be changed without notice.

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. 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

purchaser. Conditions covered are limited only to manufacturing defects in material of 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,

For the location of a SAMSUNG Authorized Service Center, please call toll-free

void 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.

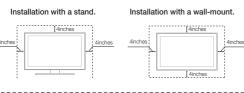
Securing the Installation Space

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



If you have any questions or comments relating to Samsung products, please contact the SAMSUNG customer care center.				
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		

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Getting Started

Accessories

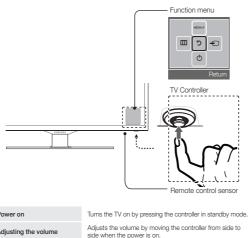
Input Cables (Sold Separately)

HDMI-DVI

Crieck the cable before plug-in				
	Cable	Ports		
HDMI	000000000	CHARACACACAC		
USB				
Optical				

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

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 channel	Selects a channel by moving the controller up and dow when the power is on.
Using the function 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 (IIII)	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 Source List (←)	Selects the Source List (-) by moving the controller in function menu screen. The Source List screen appear
Power Off (🖒)	Selects the Power Off (\circlearrowleft) to turn the TV off by moving controller in the function menu screen.

Exits the menu when pressing the controller more than 1 second

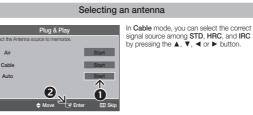
$\ensuremath{\textcircled{\sc Mhen}}$ When selecting the function by moving the controller to the up/down/left/ right directions, be sure not to press the controller. If you press it first, you cannot operate it to move the up/down/left/right directions.

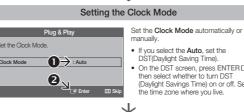
When you turn the TV on for the first time, a sequence of on-screen prompts will assist in configuring basic settings. Press the POWER button. Plug & Play is available only when the Input source is set to

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

splay) language







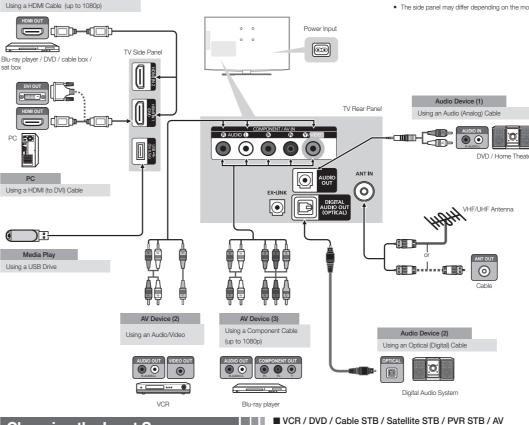
Viewing the HD Connection Guide

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

Enjoy your TV.

AV Device (1)

- 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
- . For HDMI/DVI cable connection, you must use the HDMI IN 1(DVI) jack.
- . 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



Changing the Input Source

Source List

Use to select TV or an external input source such as a DVD player. Blu-ray player / cable box / STB satellite receiver.

1. Press the SOURCE button.

Select a desired external input source. ■ TV / AV / Component / HDMI1/DVI / HDMI2

You can only choose external devices that are connected to the TV. In the **Source List**, connected inputs will be highlighted.

How to use Edit Name

Edit Name lets you associate a device name to an input source. To access Edit Name, press the TOOLS button in Source List. The following selections appear under Edit Name:

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 HDMI IN 1(DVI) port with HDMI

- 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 to DVI cable, you should set the TV to DVI PC mode under Edit
- When connecting an AV devices to the HDMI IN 1(DVI) port with HDMI to DVI cable, you should set the TV to DVI mode under Edit Name.

Information

You can see detailed information about the connected external

1000 series:1366 x 768@60Hz / 5000 series: 1020 v 1080@60Hz

Display Modes (HDMI/DVI Input)

Remote Control

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

1 || 2 || 3

4 | 5 | 6

7 8 9

MEDIA.P MENU SLEEP __

A B C D

SAMSUNG

PRE-CH

Turns the TV on and off. -

Press to directly access to channe

broadcasted by the same station. For example to select channel '54-3', press '54', then press

Quickly select frequently used functions.

P.SIZE: Lets you choose the picture size

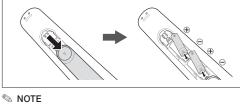
CC: Controls the caption decoder

MTS: Press to choose stereo, mono or Separate Audio Program (SAP broadcast).

Returns to the previous menu

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)



splays and selects the available video

Turns the remote control light on or off. When n, the buttons become illuminated for a

moment when pressed. (Using the remote

the battery usage time.)

Returns to the previous channel

Displays the main on-screen men

Automatically shuts off the TV at a prese

Displays information on the TV screen

Cuts off the sound temporarily

· Changes channels.

ontrol with this button set to On will reduce

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

connected to your TV.) Antenna: Displays the current antenna source

- Channel: Select the desired channel. - Music/Photo: Select the folder containing MP3/JPEG files on

the USB device. The maximum displayed number of files, including sub

folders, in one folder of USB storage device is 2000.

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

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

☐ 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".

what your children are watching. ■ MPAA Rating: You can block movies depending on their MPAA n Picture Association of Amer 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 French Canadian rating

■ 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 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

Choose between English, Español and Français.

Game Mode When connecting to a game console such as PlayStation $^{\mathsf{TM}}$ or

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.

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

Game Mode is not available when the input source is set

Caption

■ 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 of

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

Default / CC1~CC4 / Text1~Text4: (analog channels only) The Analog Caption function operates in either analog TV channel mode or when a signal is supplied from an external device to the TV. (Depending on the broadcasting signal, the Analog Caption function may or may not work with digital channels.) Default / Service1~Service6 / CC1~CC4 / Text1~Text4: (digital channels only) The Digital Captions function works with digital channels.

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 default is Standard.

Green, Blue, Yellow, Magenta and Cyan.

Font Style: Options include Default and Styles 0 to 7. The default is Style 0. Foreground Color: Options include Default, White, Black, Red,

You can change the color of the letter. The default is White.

include Default, Transparent, Translucent, Solid and Flashing,

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

Background Opacity: This adjusts the opacity of the caption background. Options include Default, Transparent, Translucent, Solid and Flashing. Return to Default: This option sets each Size, Font Style Foreground Color, Background Color, Foreground Opacity and

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

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

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

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

- 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
- the selected channels. • 🞜 (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.
		A program currently being broadcast.

point, the signal source has been selected.

remove scrambled channels. The Auto program menu then

See the warranty card for more information on warranty terms.

 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

The above described warranty repairs must be performed by a SAMSUNG Authorized Service Center. Along with this Statement, the Original Limited Warranty Statement

Channel Menu □ Seeing Channels

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 √ ▼ buttons, and pressing the ENTER → button. Then you can

wat	ch th	e seled	cted char	inel.	
Ą	9.	6 6-1	Air ▼ TV #6		
dded Channels	_F	7-1	▼ TV #7		
han	Ψ	8	Air		
nels	6b	9	Air		
		9-1	♥ TV #9		
		10	Air		
		40.4	TI / #40		

■ Zoom ■ Select 🗊 Tools ▶ Next Program

- Mal Channels: Shows all currently available channels ■ Æ Added Channels: Shows all added channels.
- Programmed: Shows all currently reserved programs.
- channels and press the Yellow button to set all the selected channels at the same time. The \checkmark mark appears to the left of

Antenna (Air / Cable) TOOLS:

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 After all the available channels are stored, it starts to

☐ Memorizing channels

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

Auto Program

■ Select All / Deselect All: You can select or deselect all channels Press the ENTER button to stop the channel store during Auto Program

How to Stop Auto Programming

2. A message will ask Stop Auto Program? Select Yes by pressing the ◀ or ▶ button. 3. Press the ENTER button

☐ Other Features

Press the ENTER → button.

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.

Channel List

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

A gray-colored channel indicates the channel has been

The Add menu only appears for deleted channels.

All deleted channels will be shown on the All 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

Only memorized channels can be reserved. Reserved programs will be displayed in the Programmed When a digital channel is selected, press the ► (Next)

another channel. Set the current time first to use this function.

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.

You can only select Deselect All when one or more channels are selected. ■ Auto Program: Scans for a channel automatically and stores in

You can view, modify or delete 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

■ Change Info: Change a show you have reserved to watch.

can also change the reservation Information.)

■ Deselect All: Deselect all the selected channels.

Programmed

in the channel list.

- 5 -

(in Channel List)

brightness control adapted motion.

Available in Standard mode only.

■ Black Tone (Off / Dark / Darker / Darkest): Select the black level

Channel Mode

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

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

If the reception is clear, you do not have to fine tune the channel, as this is done automatically during the search and store operation. If the signal is weak or distorted, fine tune the channel manually.

asterisk "*" on the right-hand side of the channel number in the

To reset the fine-tuning, select Reset

Favorite Channels.

Fine Tune

(analog channels only)

Mode TOOLS 2

Select your preferred picture type. When connecting a PC, you can only select Entertain and

■ Dynamic: Suitable for a bright room.

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

Your television has several setting options for picture quality control.

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

When connecting a PC, you can only make changes to Gamma and White Balance.

■ White Balance: Adjusts the color temperature for a more natural R-Offset / G-Offset / B-Offset: Adjusts each color's (red, green,

Reset: Resets the White Balance to it's default settings. ■ Gamma: Adjusts the primary color intensity. ■ Dynamic Contrast (Off / Low / Medium / High): Adjusts the

to adjust the screen depth. ■ Flesh Tone: Emphasize pink "flesh tone". ■ Motion Lighting (Off / On): Reduce power consumption by

■ Color Tone (Cool / Standard / Warm1 / Warm2)

Fine tuned channels that have been saved are marked with an

channel banner

Picture Menu

■ Standard: Suitable for a normal environment. ■ Movie: Suitable for watching movies in a dark room

Backlight / Contrast / Brightness / Sharpness /

When connecting a PC, you can only make changes to Backlight, Contrast, Brightness and Sharpness

Compared to previous models, new Samsung TVs have a more

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

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

> ■ Reset Picture Mode: Returns all picture values in the currently selected mode to the default settings.

Sound Menu

Mode TOOLS ₪

■ Music: Emphasizes music over voices. ■ Movie: Provides the best sound for movies. ■ Clear Voice: Emphasizes voices over other sounds

■ Standard: Selects the normal sound mode.

■ Amplify: Increase the intensity of high-frequency sounds to allow a better listening experience for the hearing impaired. Equalizer

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

TruSurround delivers a compelling, virtual surround sound experience through any two-speaker playback system, including internal

Preferred Language Digital-TV broadcasts are capable of simultaneous transmission of

SRS TruSurround HD is a natented SRS technology that solves the

problem of plaving 5.1 multichannel content over two speakers.

You can only select a language from among the ones being

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

usually a foreign-language translation.

SPDIF Output

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

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.

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. clock first, ■ Audio Format: You can select the Digital Audio output (SPDIF)

■ 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

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

Sound Reset

☐ Setting the Time

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

Clock Mode: Set the current time manually or automatically.

Time Zone: Select your time zone. DST (Daylight Saving Time): Switches the DST (Daylight Saving

To cancel the Sleep Timer, select Off

Clock Mode is set to Auto.

60, 90, 120, 150 and 180 minutes)

■ 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.)

specific channel or play back contents such as photo or audio - TV/USB: Select TV or USB. (Make sure that an USB device is

■ Contents: When the On Time is activated, you can turn on a

■ 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

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

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 display the TV menu in Game Mode, the screen shakes

to prevent the formation of ghost images on the screen.

Plug & Play (Initial Setup)

Selecting a language ct the desired OSD (On Screen

> Select the Home Use mode. Store pressing it more than 5 second

On the DST screen, press ENTER 3, then select whether to turn DST

Press the ENTER button.

Color Tone, Size and HDMI Black Level.

Zoom1: Use for moderate magnification.

Zoom2: Use for a stronger magnification

Picture Sizes available by Input Source:

may appear on the screen.

optimum quality.

is Dynamic.

by the warranty.

signals are inputted.

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

Warm1 or Warm2 will be deactivated when the picture mode

■ 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.

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

Screen Fit (DTV): Displays the full image without any cut-off when

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

Wide Fit: Enlarges the aspect ratio of the picture to fit the entire

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.

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

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

process film signals from all sources and adjusts the picture for

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

Available only in HDMI mode (RGB signals)

Resets your current picture mode to its default settings.

broadcast signal received by your TV is weak, you can activate the

Digital Noise Filter feature to reduce any static and ghosting that

16:9. Zoom1. Zoom2. 4:3

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 ■ SAP: Choose to listen to the Separate Audio Program, which is

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.

> depending on the input source. ■ By connecting the TV to a receiver or home theater with Dolby
> ■ Volume: Set the desired volume level

can maximize your interactive 3D sound experience.

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

When Speaker Select is set to External Speaker, the VOLUME and MUTE buttons will not operate and the sound

television speakers. It is fully compatible with all multichannel formats Setup Menu

many audio tracks (for example, simultaneous translations of the

Depending on the program being broadcast, you can listen to

Mono, Stereo or SAP. **Auto Volume** Because each broadcasting station has its own signal conditions

format. The available Digital Audio output (SPDIF) format may differ

Digital and 5.1ch speakers and selecting Dolby Digital, you

The SPDIF (Sony Philips Digital InterFace) outputs an uncompressed

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

Speaker both the TV's speakers and the external speakers are on. You will hear sound through both.

external speakers will be mute.

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

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

The current time will appear every time you press the INFO ■ Clock: Setting the clock is for using various timer features of the

Available only when Clock Mode is set to Manual.

DST and Time Zone function is only available when the

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

Clock Set: Set the Month, Day, Year, Hour, Minute and am/pm

Timer 1 / Timer 2 / Timer 3 Three different on / off timer settings can be made. You must set the

Xbox™, you can enjoy a more realistic gaming experience by selecting the game menu.

Background Opacity to its default. Digital Caption Options are available only when Default and Service1 ~ Service6 can be selected in Caption

> . When no sound is output from the TV because the MUTE button has been pressed.

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

This adjust the brightness of the TV in order to reduce pover 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 savings; the picture settings will automatically adapt to the light in the room.

brightness can be adjusted manually 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

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.

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

Adjust your antenna to increase signal strength. ■ Reset: Reset all settings to the factory defaults

The PIN input screen appears before the setup screen.

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

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



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

the Screensaver will run. 3. When USB is connected to the TV. you can select Media Play

(USB) in Application menu.

☐ Using the Media Play Menu



1. Press the MENU button. Press the ▲ or ▼ button to select 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

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 "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 billings and settlements

• PTP device is not supported.

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

• If 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

Videos

Xsub AVI • If the TV has no input during the time set in Auto Protection Time, SubStation Alpha MKVAdvanced SubStation MKV The power-saving mode of some external hard disk drives may be released automatically when your connect them to the TV. Alpha SubRip MKV

Supported Video Formats

MPEG-4 Timed text

Name

*.mp4	MP4	DivX 3.11/4.x/5.1/6.0 H264	1920x1080 1920x1080	6~30	30Mbps	MP3 /
*.mp4	MP4		1920x1080			
				6~30	30Mbps	ADPCM /
		AVC	1920x1080	6~30	30Mbps	AAC
		MJPEG	640x480	6~30	10Mbps	
		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 /
*.asf	ASE	MPEG4 SP / ASP	1920x1080	6~30	30Mbps	LPCM /
*.wmv	7.0	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		MPEG1	1920x1080	24/25/30	30Mbps	AC3 /
*.mpg	PS	MPEG2	1920x1080	24/25/30	30Mbps	MPEG /
*.mpeg *.vob		H. 264 BP / MP / HP	1920x1080	6~30	30Mbps	LPCM / AAC
* 000	acon	MPEG4 SP / ASP	1920x1080	6~30	30Mbps	MP3
.agp	JUPP	H.264	1920x1080	6~30	30Mbps	IVIPO
*.flv	flash	H.264	1920x1080	6~30	30Mbps	MP3
*.swf	formats	Sorenson H.263	1920x1080	6~30	30Mbps	IVII"S
	*.mkv *.asf *.wmv *.ts *.trp *.tp *.dat *.mpg *.mpeg *.vob *.3gp *.flv	*.mkv MkV *.asf	*.avi	".mkv MKV MEG4 SP / ASP 1920x1080 ".mkv MKV H264 SP / ASP 1920x1080 MJPEG 640x480 DNX 3.11 / 4.x /5.1 / 6.0 1920x1080 MJPEG 640x480 DNX 3.11 / 4.x /5.1 / 6.0 1920x1080 1.ts MPEG4 SP / ASP 1920x1080 1.ts MPEG4 SP / ASP 1920x1080 1.tp 1.tp TS MPEG2 1920x1080 1.tp 1.tp TS MPEG2 1920x1080 1.tp 1.tp 1.tp TS MPEG2 1920x1080 MPEG3 1920x1080 MPEG4 SP / ASP 1920x1080 MPEG9 1920x1080 1.tp 1.tp 1.tp 1.tp TS MPEG9 1920x1080 MPEG9 1920x1080	*.mkv AVI, MPEG4 SP / ASP 1920x1080 6-30 *.mkv H264 1920x1080 6-30 MJPEG 640x480 6-30 MJPEG 640x480 6-30 MJPEG 640x480 6-30 DixX3.11 / 4x /51.1 / 6.0 1920x1080 6-30 *.wmv ASF MPEG4 SP / ASP 1920x1080 6-30 *.ts MPEG4 SP / ASP 1920x1080 6-30 *.ts MPEG2 1920x1080 6-30 *.tp TS H. 264 BP / MP 1920x1080 6-30 *.mpg PS MPEG2 1920x1080 24/25/30 *.mpg ".wob MPEG4 1920x1080 24/25/30 *.mpg ".wob MPEG4 1920x1080 6-30 *.th MPEG4 SP / ASP 1920x1080 6-30 *.th MEG4 1920x1080 6-30	*.mkv

Container

MP4

Format

Picture Format

Text Format

Text Format

Text Format

I. 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.

file extensions are not displayed, even if they are saved on the

Only displays the files with MP3 and PCM file extension. Other

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

· 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

Base-line

15360 x 8704

During the slide show, files are displayed in order.

You can move to other file using

or

button.

(◄) (REW) or (►) (FF) button.

Image Photo

• CMYK, YCCK Color space JPEG are not supported

• Supported Photo Formats

Other Restrictions

There is a plastic smell from the TV.

TV is tilted to the right or left side.

The Channel menu is grey out

every time the TV is turned off.

Your settings are lost after 30 minutes or

You have intermittent loss of audio or

closely at the edge of the frame of the TV. You see small particles when you look

Storage and Maintenance

License

DIVX.

DOLBY.

⊜dts

2.0+Digital Out

HDMI

ENTER button in the Media Play menu.

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

NOTF

Other Restrictions

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

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

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

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

ENTER button in the Media Play menu.

- 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. 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

When changing channels, the picture

There is no sound or the sound is too

The picture is good but there is no

The speakers are making an

The TV turns off automatically

RF(Cable/Antenna) Connection

No Caption on digital channels.

The picture is distorted: macroblock.

buzzing noise from the TV speakers with Component cable connection.

The remote control does not work.

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

A "Mode Not Supported" message

the volume.

error, small block, dots, pixelization

The TV is not receiving all channels.

No Picture, No Video

The picture is black and white

Sound Problem

SubStation Alpha

Advanced SubStation Alpha

Name	File extension
MPEG-4 timed text	.ttxt
SAMI	.smi
SubRip	.srt
SubViewer	.sub

• 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 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. 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)

- 10 -

• If the picture size is set to Screen Fit, change it to 16:9.

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

(go to MENU - Support - Self Diagnosis - Sound Test)

• Perform the Sound Test as explained above.

 $\bullet\,$ Ensure the Sleep Timer is set to Off in the Time menu.

Make sure the coaxial cable is connected securely.

· Verify the antenna is positioned correctly.

Some channels may not have caption data

. If your PC is connected to the TV, check your PC power settings

Reboot the connected device by reconnecting the device's power cable.

Check the Caption Setup menu. Try changing Caption Mode Service 1 to CC1.

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

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.

Clean the transmission window located on the top of the remote control.

- 14-

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.

Replace the remote control batteries with correct polarity (+/-).

Try pointing the remote directly at the TV from 5~6 feet away

resolution settings in this manual.

Make sure the wall outlet is working.

If the audio is OK, the sound problem may caused by the source or signal.

Reboot the connected device by reconnecting the device's power cable.

· Change cable/satellite box resolution

WMA Lossless is not supporte

. Adjust the Picture options in the TV menu. (go to Picture Mode / Color / Brightness / Sharpness

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

Please check the volume of the device (Cable/Sat Box, DVD, Blu-ray, etc.) connected to your TV.

Check the cable connections. Make sure a video cable is not connected to an audio input.

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

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.

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).

For Antenna or Cable connections, check the signal information. A weak signal may cause sound distortion

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.

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)

· Compression of video contents may cause picture distortion. Especially on fast moving pictures such as sports

Black bars on the Top & Bottom will be shown on movies that have aspect ratios different from your TV.

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

Adjust the picture size option on your external device or change the TV to full screen.

 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.

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 you are using an AV composite input, connect the video cable (yellow) to the Green jack of component input 1 on the TV.

• If connected to a cable box, please try to reset it. (reconnect the AC cord and wait until the cable box reboots. It

Playing Multiple Files

Deselect All.

■ 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

· To cancel a selection, press the Yellow button again • To deselect all selected files, press the TOOLS button and select

3. Press the TOOLS button, and then select $\mbox{{\bf Play Selected}}$

■ 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.

ine extension are not displayed, even in they are cured on the	Category	Operation	videos	IVIUSIC	FIIOLOS
same USB device.	Title	You can move the other file directly.	✓		
If the sound is abnormal when playing MP3 files, adjust the Equalizer in the Sound menu. (An over-modulated MP3 file	Repeat Mode	You can play movie and music files repeatedly.	~	~	
may cause a sound problem.)	Picture Size	You can adjust the picture size to your preference.	~		
Photos	Picture Mode	You can adjust the picture setting.	~		✓
	Sound Mode	You can adjust the sound setting.	✓	~	✓
Normal Integration page 1004/298 2011/1024 315	Subtile Setting	You can play the video with Subtitles. This function only works if the subtitles are 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.	✓		
☐ Pase ◆ Previous/Next ☑ Tools • Preturn	Stop Slide Show / Start Slide Show	You can start or stop a Slide Show.			~
 Press the or button to select Photos, then press the ENTER button in the Media Play menu. 	Slide Show Speed	You can select the slide show speed during the slide show.			~
2. Press the ◀/▶/▲/▼ button to select the desired photo in the file	Background Music	You can set and select background music when watching a Slide Show.			✓
list.	Zoom	You can zoom into images in full screen mode.			~
3. Press the ENTER → button or ► (Play) button.	Rotate	You can rotate images in full screen			

Settings

- 11 -

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

Remove the stand base from the TV and reassemble it.

Check the cable connections and reconnect them.

POP (TV's internal banner ad) appears • Select Home Use under Plug & Play mode. For details, refer to Plug & Play (Initial Setup).

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

Do not spray water directly onto the product.

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

Any liquid that goes into the product may

cause a failure, fire, or electric shock.

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

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

This is part of the product's design and is not a defect.

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

If you attached some stickers on the TV screen, it remains some debris after removing the sticker. Please clean it to watch TV.

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

TV mode, go to MENU \rightarrow Setup \rightarrow Plug & Play \rightarrow ENTER \blacksquare

🦠 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

🔊 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

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.

Using the Setup Menu ■ DivX® Video On Demand : Shows the registration code

If TV is in the Store Demo mode, it will reset audio and picture settings every 30 minutes. Please change from

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

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Store Demo mode to Home Use mode using the Plug & Play procedure. Press the SOURCE button to select

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

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.

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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:

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

Other Information

Installing the Wall Mount Kit

mount on your own.

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

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

The wall mount kit is not supplied, but sold separately.

may fall and result in severe personal injury.

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

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.

• 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

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

Always have two people mount the TV on a wall.

19~22

32~40

46~60

LED-T\

With stand

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

75 X 75

100 X 100

200 X 200

400 X 400

M4

M8

Do not install your Wall Mount Kit

while your TV is turned on. It may

result in personal injury due to electric

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

• Standard dimensions for wall mount kits are shown in the table

product or injury to yourself or others if you elect to install the wall

Wall Mount Kit Specifications (VESA)

supplied, please purchase these additionally 1. Drive the screws into the clamps and firmly fasten them onto the wall. Make sure the screws are firmly fixed into the wall.

Caution: Pulling, pushing, or climbing onto the TV

may cause the TV to fall. In particular, ensure that your

so may cause the TV to tip over, resulting in serious

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

children do not hang over or destabilize the TV; doing

injuries or death. Follow all safety precautions provided

on the included Safety Flyer. For added stability, install

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.

Untie the string before moving the TV.

Securing the TV to the Wall

To prevent the TV from falling

Kensington Lock The Kensington Lock is not supplied by Samsung. It is a device used to physically fix the system when using it in a public place. Refer to the manual provided with the Kensington Lock for additional information on proper use.

Please find a "

icon on the rear of the TV. The Kensington slot is beside the "নি" icon.

The position and color may differ depending on the model

Assembling the Cable manager





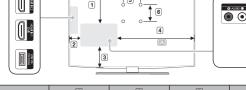
50°F to 104°F (10°C to 40°C) 10% to 80%, non-condensing -4°F to 113°F (-20°C to 45°C) UN26EH4000 / UN26EH4050 1366 x 768 1366 x 768 32" Class 26.0" measured diagonally 31.5" measured diagonally) (31.5" measured diagonally)

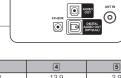
UN50EH5000 / UN50EH5050 / UN40EH5000 / UN40EH5050 UN46EH5000 / UN46EH5050 1920 x 1080 (40.0" measured diagonally) (45.9" measured diagonally (49.5" measured diagonally) 10W x 2 41.7 X 3.7 X 24.6 inches (1059.8 X 94.3 X 625.6 (mm)) 44.7 X 3.7 X 26.3 inches (1137.6 X 94.5 X 669.4 (mm)) 36.5 X 8.9 X 23.8 inches 41.7 X 8.9 X 26.7 inches 44.7 X 8.9 X 28.5 inches

12.5 lbs (5.7 kg)

13.8 lbs (6.3 kg

■ JACK PANEL DETAIL / REAR VIEW





18.9 7.8 7.8

(Unit: inches)

17.6 lbs (8.0 kg)

22.2 lbs (10.1 kg)

NOTE: All drawings are not necessarily to scale. Some dimensions are subject to change without prior notice. Refer to the dimensions prior to performing stallation of your TV. Not responsible for typographical or printed errors

Operating Temperature Operating Humidity Storage Temperature Storage Humidity Model Name Display Resolution (Diagonal) 5W x 2 Output 10W x 2 Dimensions (W x D x H)

With stand 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

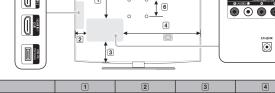
Design and specifications are subject to change without prior notice. This device is a Class B digital apparatus.

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

recyclingdirect or call (877) 278-0799

UN32FH4000 / UN32FH4050



UN40EH5000 / UN40EH5050 7.8 31.3 UN50EH5000 / UN50EH5050 / UN50EH5070

3.4

(37.0" measured diagonally)

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) 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))

Model Name Display Resolution (Diagonal) Dimensions (W x D x H)

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

9.2 lbs (4.2 kg)

7.4

1.9

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If you adjust the Backlight, the Eco Sensor will be set to Min. Backlight: When Eco Sensor is On, the minimum screen

surrounding light intensity.

being received.

- reception quality is either perfect or the channels are unavailable.
- Enter your 4-digit PIN. Change the PIN using the Change
- **Software Upgrade**

Media Play

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.

Troubleshooting If the TV seems to have a problem, first review this list of possible problems and solution. If none of these troubleshooting tips apply, visit

Problem	Possible Solution			
Flickering and Dimming	If your Samsung Television is flickering or dimming sporadically, you may need to disable some of its energy efficient features like the Eco Sensor or the Energy Saving feature. If you follow below step with your remote, you can turn these features off or on.			
	$\bullet \ \text{Energy saving} : \text{User Menu} \rightarrow \text{Setup} \rightarrow \text{Eco Solution} \rightarrow \text{Energy Saving}$			
	$\bullet \ Eco \ Sensor : User Menu \to Setup \to Eco Solution \to Eco Sensor$			
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 on the TV to make sure there are no device issues.			
	Self Diagnosis : User Menu → Support → Self Diagnosis → Picture Test			
	If the test is ok, try making sure;			
	 Your connections are all consistent. For example, if you've used the AV In jack on your TV, make sure you have used the AV Out jack on your video source. 			
	 Try making sure you have connected to the correct jacks. For example, if you use the Component jacks, labeled Pb, Pr, and Y, to connect your TV and video source, make sure you have connected the blue Pb jack on the video source to the blue Pb jack on the TV, the red Pr jack on the source to the red Pr jack on the TV. 			
Screen Brightness	If you find that the colors on your Samsung TV are correct but just a little too dark or bright, there are some settings you should check before calling for a repair.			
	 Backlight, Contrast, Brightness, Sharpness, Color, Tint and so on. Go in to "Picture" on user Menu then try adjusting options mentioned above. 			
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 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.			
	$\bullet \ Sleep \ Timer : User \ Menu \to Setup \to Time \to Sleep \ Timer$			
	If the Sleep Timer is not activated, you may have engaged the No Signal Power Off or Auto Power Off feature.			
	 No Signal Power Off: User Menu → Setup → Eco Solution → No Signal Power 			
	$ \bullet \ \text{Auto Power Off: User Menu} \rightarrow \text{Setup} \rightarrow \text{Eco Solution} \rightarrow \text{Auto Power Off} $			
Trouble Powering On	Before Turn on check red light on the right or left bottom of your TV. Press power on button on TV or remote and it will blink about 5 times before turning on.			
	If you find that you are having trouble powering on your Samsung television, there are a number of things to check before making a call to the service department.			
	If you happen to be using the TV as a monitor and the stand-by light only blinks for a few seconds when you			
	press the power button, your PC is in sleep mode. To take your PC out of sleep mode, press a key on your			
	keyboard or move the mouse. Then try turning your TV on.			
	If you're sure your power cord, remote control, and PC are functioning properly, you may be having a cable issue. If you have a cable or satellite box, your TV may appear to be off because the cable or satellite box is not outputting a			

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

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 to assemble the stand though you refer to "Install the Stand" mentioned at separate quide.

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.

Air/Cable Antenna connection: Try HD channels after performing Auto program. Many HD channels are up scaled from SD(Standard Definition) contents. Adjust the Cable/Set top box video output resolution to 1080i or 720p.

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

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

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· Re-run plug and play First, perform the **Picture Test** and to see if your TV is properly displaying the test image. Go to MENU - Support - Self Diagnosis - Picture Test

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

Color is wrong or missing