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

### Important Warranty Information Regarding **Television Format Viewing**

See the warranty card for more information on warranty terms. Wide screen format LFD Displays (16:9, the aspect ratio of the screen width to height) are primarily designed to view wide screen format full-motion video. The images displayed on them should primarily be in the wide screen 16:9 ratio format, or expanded to fill the screen if your model offers this feature and the images are constantly moving. Displaying stationary graphics and images on screen, such as the dark sidebars o non- expanded standard format television video and programming, should be limited to no more than 5% of the total television viewing per week. Additionally, viewing other stationary images and text such as stock market reports, video game displays, station logos, web sites or computer graphics and patterns, should be limited as described above for all televisions. Displaying stationary images that exceed the above guidelines can cause uneven aging of LED Displays that leave subtle, but permanent burned-in ghost images in the LED picture. To avoid this, vary the programming and images, and primarily display full screen moving images, not stationary patterns or dark bars. On LED models that offer picture sizing features, use these controls to view different formats as a full screen picture. Be careful in the selection and duration of television formats you use for viewing. Uneven LED aging as a result of format selection and use, as well as burned-in images, are not covered by your Samsung limited warranty. • 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 purchase n the United States, for the warranty period originally specified, and to the Original Purchaser only. The above described warranty repairs must be performed by a SAMSUNG Authorized Service Center. Along with this Statement, the Original Limited Warranty Statement and a dated Bill of Sale as Proof of Purchase must be presented to the Service

Center. Transportation to and from the Service Center is the responsibility of the purchaser. Conditions covered are limited only to manufacturing defects in material or workmanship, and only those encountered in normal use of the product. Excluded, but not limited to, are any originally specified provisions for, in-home or on-site services,

Contact SAMSUNG WORLDWIDE minimum or maximum repair times, exchanges or replacements, accessories, options,

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-SAMSLING

Channel Menu

□ Seeing Channels

4 7-1 ♥ TV #7

♥ TV #9

Air ■ Zoom ■ Select 🖈 Tools ➤ Next Progra

■ **Favorite**: Shows all favorite channels

the selected channels.

Channel Status Display icons

✓ A channel selected.

A reserved program

A channel set as a favorite.

■ Memorizing channels

TV (i.e. an Air or a Cable system).

[UE4003-ZC]BN68-04466A-ENG.indd 1

Antenna (Air / Cable) TOOLS 7

Icons

All Channels: Shows all currently available 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

els at the same time. The 🗸 mark appears to the left of

Operations

■ \_\_\_ Added Channels: Shows all added channels.

**Channel List** 

the selected channel

Still image warning

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

- · 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.

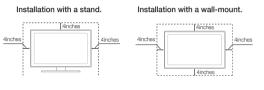
### Securing the Installation Space

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

When using a stand or wall-mount, use parts provided by Samsung Electronics

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 hot.



i	Contact	SAMSUNG	WORL	DWID
ı				

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 07660-2112	
Customer Care Center 2 1-800-SAMSUNG(726-7864)		864)	
Web Site	www.samsung.com		

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

# 

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 watch

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

Press the ENTER button to stop the Clear Scrambled Channel.

This function is only available in Cable mode.

## **Channel List**

Programmed

in the channel list.

(in 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

The **Add** menu only appears for deleted channels.

menu in the same manner.

• 🖅 (Tools): Displays the Channel List option menu. (The Options 🔲 Add to Favorite / Delete from Favorite 🔟

■ 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.

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

■ Select All: Select all the channels in the channel list.

■ 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

■ Select All / Deselect All: You can select or deselect all channels

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

can also change the reservation Information.)

### **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,

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

Before your television can begin memorizing the available channels,

you must specify the type of signal source that is connected to the

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

## How to Stop Auto Programming

Press the ENTER 🚭 button.

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

All deleted channels will be shown on the All Channels

A gray-colored channel indicates the channel has been

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

can set Timer Viewing directly.

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

■ White Balance: Adjusts the color temperature for a more natural ■ Deselect All: Deselect all the selected channels. Nou can only select Deselect All when one or more R-Offset / G-Offset / B-Offset: Adjusts each color's (red, green, channels are selected

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

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

■ Gamma: Adjusts the primary color intensity. ■ Dynamic Contrast (Off / Low / Medium / High): Adjusts the

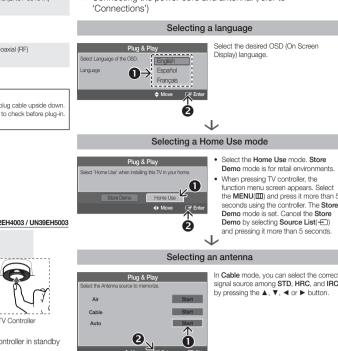
■ Black Tone (Off / Dark / Darker / Darkest): Select the black level to adjust the screen depth.

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

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



Setting the Clock Mode

Set the Clock Mode automatically o DST(Daylight Saving Time). en select whether to turn DS' (Daylight Savings Time) on or off, Select

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

 $\checkmark$ Enjoy your TV. Press the ENTER buttor

### **Picture Options**

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

The Favorite Channels is enabled only when you set Add to

Favorite. Fine Tune

this is done automatically during the search and store operation. If

Fine tuned channels that have been saved are marked with ar

When connecting a PC, you can only select Entertain and

Backlight / Contrast / Brightness / Sharpness /

Your television has several setting options for picture quality control.

When connecting a PC, you can only make changes to

Compared to previous models, new Samsung TVs have a more

When connecting a PC, you can only make changes to

■ Color Space (Auto / Native): Adjusts the range of colors

Backlight, Contrast, Brightness and Sharpness

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

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

**Getting Started** 

Wire-Holder Stand (BN61-05491A)

<u>Accessories</u>

HDMI

USB

Adjusting the volume

Using the function

Selecting the MENU

Selecting the Source List (-€-)

**Channel Mode** 

(analog channels only)

channel banner.

Mode Tools, □

Standard.

Color / Tint (G/R)

**Advanced Settings** 

orecise picture.

(available in Standard / Movie mode)

Gamma and White Balance.

available to create the image

Picture Menu

Select your preferred picture type

■ Dynamic: Suitable for a bright room.

■ Standard: Suitable for a normal environment.

Only available when connecting a PC.

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

■ Entertain: Suitable for watching movies and games.

To reset the fine-tuning, select Reset

Power Off ((¹))

Batteries (AAA x 2)

· Warranty Card / Safety Guide

Input Cables (Sold Separately)

Check the cable before plug-in

TV Controller (Panel Key)

Cable Ports

⊕ c ⊞

Turns the TV on by pressing the controller in standby

Adjusts the volume by moving the controller from side

Selects a channel by moving the controller up and

nction menu screen appears. If you press it again,

Selects the MEDIA.P by moving the controller in

the function menu screen. The **Media Play** main screen appears.

Selects the **Source List**(-) by moving the controller in the function menu screen. The **Source** 

Selects the **Power Off** (**b**) to turn the TV off by

elects the **MENU**(**III**) by moving the controller in the nction menu screen. The OSD(On Screen Display)

o side when the power is on

down when the power is or

of your TV's feature appears.

List screen appears

Exits the menu when pressing the controller more than 1 second

cannot operate it to move the up/down/left/right directions

When selecting the function by moving the controller to the up/down/lef

right directions, be sure not to press the controller. If you press it first, you

the function menu screen disappears.

16:9 mode most of the time. If the reception is clear, you do not have to fine tune the channel, as

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

Zoom2: Use for a stronger magnification.

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

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 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.

Input Source Picture Size 480p) DTV(1080i, 1080p).

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 screen to adjust the screen depth

■ Film Mode (Off / Auto): Sets the TV to automatically sense and process film signals from all sources and adjusts the picture for

optimum quality. 🖎 Available in ATV, DTV(interlace), AV, COMPONENT (480i / 1080i) and HDMI (480i / 1080i).

### **Picture Reset**

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

MD (High Definition): 16:9 - 1080i/1080p (1920x1080), 720p

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 16:9, Wide Fit, 4:3, Screen Component (1080i, 1080p), HDMI (720p, 1080i, 1080p)

■ 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

Available only in **HDMI** mode (RGB signals).

■ LED Motion Plus (Off / On): Removes drag from fast scenes with a lot of movement to provide a clear picture

Resets your current picture mode to its default settings. ■ Reset Picture Mode: Returns all picture values in the currently selected mode to the default settings

### Sound Menu

connection numbers.

For UN22ES4003 connection, you can refe

to UN32EH4003 / UN39EH5003 according to

Connections

VHF/UHF Antenna

HAH

Media Play

Using a USB Drive

0 0

TV Rear Panel

Power Input

UN22ES4003

ANT IN

Power Input

UN32EH4003 / UN39EH5003

USB ←← (5V 0.5A)

AV Device (2)

(up to 1080p)

Using a Component Cable

Blu-ray player

HDMI IN 2 HDMI IN 1 (DVI)

SERVICE

V/VIDEO (2) (3) (4) AUDIO (3)

 $|(\Omega)$ 

TV Rear Pane

### Mode Tools₁

■ Standard: Selects the normal sound mode.

■ Music: Emphasizes music over voices. ■ Movie: Provides the best sound for movies.

■ Clear Voice: Emphasizes voices over other sounds ■ Amplify: Increase the intensity of high-frequency sounds to allow a better listening experience for the hearing impaired.

### Equalizer

(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

(standard sound mode only) ■ Sleep Timer TOOLS □ SRS TruSurround HD is a patented SRS technology that solves the problem of playing 5.1 multichannel content over two speakers. ruSurround 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

program into foreign languages). You can only select a language from among the ones being broadcasted.

you are having difficulty receiving a stereo signal.

### **Multi-Track Sound (MTS)**

(analog channels only) ■ Mono: Choose for channels that are broadcasting in mono or if

■ 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. 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, 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.

### **Sound Reset**

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

## □ Setting the Time

Setup Menu

the audio does not work.

- 3

• SERVICE: Connector for service only

button

■ 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

ne) function on or off DST and Time Zone function is only available when the Clock Mode is set to Auto.

### Automatically shuts off the TV after a preset period of time. (30, 60, 90, 120, 150 and 180 minutes) To cancel the Sleep Timer, select Off

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

■ 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.) ■ Volume: Set the desired volume level. ■ Contents: When the On Time is activated, you can turn on a

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

Note: Program Rating Lock is not available in HDMI or Component The default PIN number of a new TV set is "0-0-0-0".

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

You can only choose external devices that are connected

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

Changing the Input Source

### Source List

UN22ES4003

1. Press the SOURCE button.

UN32EH4003 / UN39EH5003

2. Select a desired external input source.

■ TV / AV / Component / HDMI/DVI

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

AV Device (1)

Blu-ray player / DVD / cable

to 1080p)

HDMI OUT

box / sat box

PC

PC

AV Device (3)

VCR

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 about the HDMI

Be sure to purchase a certified HDMI cable. Otherwise, the picture may not display or a connection error may occur.

For HDMI/DVI cable connection, you must use the HDMI IN 1(DVI) or HDMI / DVI

• 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) or HDMI / DVI IN port,

• For better picture and audio quality, connect to a digital device using an HDM

The picture may not display normally (if at all) or the audio may not work if an

version and, if out of date, request an upgrade.

• DIGITAL AUDIO OUT(OPTICAL) is not supported.

• PC/DVI AUDIO IN input are not supported.

Using an Audio/Video

Using an HDMI Cable or

Use the PC speakers for

an HDMI to DVI Cable.

Using an HDMI Cable (up

### access Edit Name, press the TOOLS button in Source List. The following selections appear under **Edit Name**:

TV to **DVI** mode under **Edit Name**.

How to use Edit Name

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

Use to select TV or an external input source such as a DVD player / 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) or HDMI / DVI

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

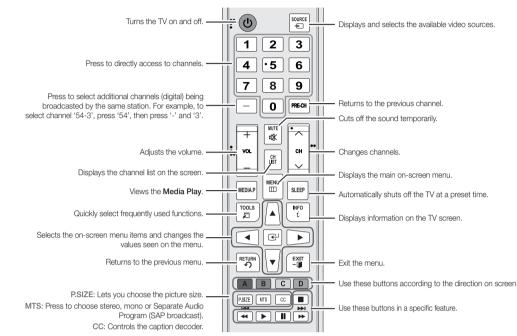
IN port with HDMI cable, you should set the TV to PC mode under Edit Name. When connecting a PC to the HDMI IN 1(DVI) or HDMI / DVI

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

You can see detailed information about the connected external

### Remote Control

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



### Installing batteries (Battery size: AAA)

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

children are watching.

their Anglophone Canadian.

their French Canadian rating.

vour new PIN.

Language

Game Mode

Caption

(On-Screen Text Messages)

**HDMI** mode.

digital channels.

Set the menu language.

selecting the game menu

be used while watching DTV channels.

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

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

rating. The Motion Picture Association of America(MPAA) has

with advanced information on which films are appropriate for

■ Canadian English: You can block TV programs depending on

■ Canadian French: You can block TV programs depending on

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

■ 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

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

Choose between English, Español and Français.

Precautions and limitations for game mode

When connecting to a game console such as PlayStation™ or

Xbox™, you can enjoy a more realistic gaming experience by

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

Game Mode is not available when the input source is set to

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

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

function may or may not work with digital channels.)

depending on the broadcast

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

captions are not available, they will not be displayed on the

The Caption feature does not work in Component or

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

Analog Caption function operates in either analog TV channel

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

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

(digital channels only) The Digital Captions function works with

Service1~6 may not be available in digital caption mode

screen disappears, press the OK button. The TV has memorized

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)

implemented a rating system that provides parents or guardians

■ Digital Caption Options: (digital channels only) ■ TV Parental Guidelines: You can block TV programs depending Size: Options include Default, Small, Standard and Large. The default is Standard.

default is Style 0. Foreground Color: Options include Default, White, Black, Red.

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

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

### same color.

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

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

### to prevent the formation of ghost images on the screen.

■ Energy Saving (Off / Low / Medium / High / Picture Off) : This adjust the brightness of the TV in order to reduce powe consumption. If you select Picture Off, the screen is turned off, but the sound remains on. Press any button except volume

how quickly the TV switches to standby mode, if no picture is

off when no user operation is received for 4 hours.

NOTE

• Use the remote control within 23 feet from TV. Bright light may affect the performance of the remote control use when nearby fluorescent lights or neon signs.

• The Color and shape may vary depending on the model.

Font Style: Options include Default and Styles 0 to 7. 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. Options include Default, Transparent, Translucent Solid and Flashing.

The Foreground and Background cannot be set to have the

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.

been reduced to minimum with the VOL - button.

## period of time defined by the user, the screen saver is activated

**Eco Solution** 

button to turn on the screen. ■ No Signal Power Off (Off / 15 min. / 30 min. / 60 min.): Sets

Disabled when the PC is in power saving mode. ■ Auto Power Off (Off / On): The TV will be automatically turned

2012-05-21 🗓 9:41:47

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 recention 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 TV.

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

## **Media Play**

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



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

• If the test is ok, try making sure ;

used the AV Out jack on your video source.

Possible Solution

### ☐ Connecting a USB Device

1. Turn on your TV.

**Troubleshooting** 

Flickering and Dimming

Component Connections

Screen Brightness

Unwanted Powering off

Stand Assembly

Cannot find channe

The picture is distorted: macroblock

error, small block, dots, pixelization

There is poor color or brightness

[UE4003-ZC]BN68-04466A-ENG.indd 2

Color is wrong or missing.

Poor picture

- 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



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

devices. MSC is a Mass Storage Class Bulk-Only Transpor device. Examples of MSC are Flash Card Readers. Devices

· Before connecting your device to the TV, please back up you

not responsible for any data file damage or data loss.

Do not disconnect the USB device while it is loading.

"Not Supported File Format" message appears.

managing billings and settlements

• PTP device is not supported.

Time, the Screensaver will run.

ermanently delete the file.

the Videos.

If your Samsung Television is flickering or dimming sporadically, you may need to disable some of its energy efficient

• 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

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.

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

Backlight, Contrast, Brightness, Sharpness, Color, Tint and so on. Go in to "Picture" on user Menu then try
adjusting options mentioned above.

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

If the Sleep Timer is not activated, you may have engaged the No Signal Power Off or Auto Power Off feature.

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 you have a cable or satellite box, your TV may appear to be off because the cable or satellite box is not outputting a signal. To test the signal output of your cable or satellite box, press the guide or info button on the cable or satellite box remote control. If the screen displays the guide or info data, the problem is caused by the box.

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

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

. 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.

Adjust Energy Saving option in the TV menu. (go to MENU - Setup - Eco Solution - Energy Saving )

Adjust the Picture options in the TV menu, (as to Picture Mode / Color / Brightness / Sharpness)

• Try resetting the picture to view the default picture setting. (go to MENU - Picture - Picture Reset)

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

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

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

the TV still on but, turns it off after a certain period of time so as not to waste energy

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

First, perform the  $\mbox{\bf Picture Test}$  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.

Auto Power Off: User Menu → Setup → Eco Solution → Auto Power Off

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

and action movies.

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

• If you have an analog cable/satellite box, upgrade to a digital set top box. Use HDMI or Component cables to deliver HD (high definition) picture quality.

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

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

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

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

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

and it will blink about 5 times before turning on.

before making a call to the service department.

Diagnosis on the TV to make sure there are no device issues.

Photos only supports sequential jpeg format.

and some folders may not be opened.

The TV cannot play MP3 files with DRM that have been

 $\ensuremath{^{\bullet}}$  The higher the resolution of the image, the longer it takes to

The maximum supported JPEG resolution is 15.360 x 8.704

• If a file is corrupted or the TV does not support the file type, the

downloaded from a for-pay site. Digital Rights Managemen

(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

• If the device is over-powered while connecting or using a USB

device, the device may not be recognized or may malfunction

• If the TV has no input during the time set in **Auto Protection** 

The power-saving mode of some external hard disk drives may

e released automatically when your connect them to the TV.

• If you use a USB extension cable, the TV may not recognize the

USB device or may not be able to read the files on the device.

If a USB device connected to the TV is not recognized, the list of files on the device is corrupted, or a file in the list is not played, connect the USB device to a PC, format the device, and check

• If a file you deleted from the PC is still found when you run **Media** 

• The scene search and thumbnail functions are not supported in

If the number of files and folders saved on a USB storage device is approximately over 4000, the files and folders may not appear

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

Play, use the "Empty the Recycle Bin" function on the PC to

be supported.

display on the screen.

should be connected directly to the TV's USB port. USB HDD is

files to prevent them from damage or loss of data. SAMSUNG is

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



Videos

- 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
- The selected file is displayed on the top with its playing time. If video time information is unknown, playing time and the
- progress bar are not displayed. During video playback, you can search using the ◀ and ▶
- In this mode, you can play movie clips contained in a game, but you cannot play the game itself.

### Supported Subtitle Formats

LXterral							
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

upported Video Formats		
------------------------	--	--

There is a dotted line on the edge of

When changing channels, the picture

There is no sound or the sound is too low at maximum volume.

The picture is good but there is no

The speakers are making an

No Picture, No Video

The TV will not turn on

The TV turns off automatically.

Antenna(Air / Cable) Connection

The TV is not receiving all channels.

No Caption on digital channels

The picture is distorted: macroblock.

error, small block, dots, pixelization

Component cable connection.

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

The cable/set top box remote control

A "Mode Not Supported" message

the volume.

does not turn the TV on or off, or adjust

The picture is black and white.

Sound Problem

- Supported video Formats									
File Extension Container		Video Codec Resolution		Frame rate(fps)	Bit rate(Mbps)	Audio Codec			
		DivX 3.11/4.x/5.1/6.0	1920x1080	6~30	30Mbps	MP3 /			
*.mp4	MP4	H264	1920x1080	6~30	30Mbps	ADPCM			
		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 /			
*.avi *.mkv	AVI, MKV	MPEG4 SP / ASP	1920x1080	6~30	30Mbps	AC3 / LPCM /			
		H264	1920x1080	6~30	30Mbps	ADPCM / DTS Core			
		MJPEG	640x480	6~30	10Mbps	1			

## 1920x1080 6~30 1920x1080 6~30 30Mbps 920x1080 6~30 . 264 BP / MP 1920x1080 24/25/30 30Mbps 264 BP / MP 1920x1080 6~30 MPEG4 SP 1920x1080 6~30 30Mbps

### Other Restrictions

- Video content will not play, or not play correctly, if there is an error in the content or the containe
- 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.
- 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	fil

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

### Music

- 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.

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.

may take up to 20 minutes)



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

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

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.

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

If the TV turns on, refer to 'Remote control does not work' below.

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.

Make sure the coaxial cable is connected securely.
 Please try Auto Program to add available channels to the channel list.

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

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.

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

• Ensure the Sleep Timer is set to Off in the Time menu.

Make sure your connected devices are powered on.

Verify the antenna is positioned correctly.

Some channels may not have caption data.

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

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.

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

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.

go to MÉNU - 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

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.

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

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.

Be sure to select the TV's correct source by pressing the SOURCE button on the remote control.

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

### 2. Press the ◀/►/▲/▼ button to select the desired Music in the file ■ Playing the video/music/photo file group 1. While a file list is displayed, move to any file in desired group.

- 3. Press the ENTER → button or ► (Play) button.
- During music playback, you can search using the ◀ and ▶
- (REW) and **F** (FF) buttons do not function during play. Only displays the files with MP3 and PCM file extension. Other file extensions are not displayed, even if they are saved on the same USB device.
- If the sound is abnormal when playing MP3 files, adjust the Equalizer in the Sound menu. (An over-modulated MP3 file may cause a sound problem.)



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

2. Press the </

/▶/▲/▼ button to select the desired photo in the file

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

- NOTE While a photo list is displayed, press the ► (Play) / ENTER →
- button on the remote control to start the slide show
- All files in the file list section will be displayed in the slide show.
- During the slide show, files are displayed in order. • During the slide show, you can adjust the slide show speed using (◄) (REW) or (►) (FF) button.
- You can move to other file using 

  or 

  button

•	Supported	Photo	Formats		

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

### Other Restrictions

CMYK, YCCK Color space JPEG are not supported.

### Playing Multiple Files

- Playing selected video/music/photo files
- 1. Press the Yellow button in the file list to select the desired file
- 2. Repeat the above operation to select multiple files. NOTE
- The 

  mark appears to the left of the selected files.
- To cancel a selection, press the Yellow button again. · To deselect all selected files, press the TOOLS button and select
- Deselect All. 3. Press the TOOLS button, and then select Play Selected
- Contents

**~** 

**✓** | **✓** | **✓** 

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

You can move the other file

You can play movie and music

You can adjust the picture size

stitles. This function only

guage if the video has more

ame file name as the video

ou can start or stop a Slide

ou can set and selec

tching a Slide Show

You can rotate images in full

about the played file.

You can see detailed information

■ Information: Select to view information on the connected device

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

instructions provided with the wall mount items. Contact a technician

Electronics is not responsible for any damage to the product or injury

Install your wall mount on a solid wall perpendicular to the floor. When

dealer. If you install the TV on a ceiling or slanted wall, it may fall and

attaching to other building materials, please contact your nearest

to yourself or others if you elect to install the wall mount on your own

for assistance when installing the wall mount bracket. Samsung

For detailed information on installing the wall mount, see the

The wall mount kit is not supplied, but sold separately

You can zoom into images in full

You can change the audio

You can adjust the sound

Media Play - Additional Functions

■ Videos/Music/Photos Play Option menus

When playing a file, press the TOOLS button.

Repeat Mode

Picture Size

Sound Mode

Audio Language

Start Slide Show

Slide Show Speed

Background Music

Information

the wall.

- 11 -

Using the Setup Menu

Other Information

**Installing the Wall Mount Kit** 

Wall Mount Kit Specifications (VESA)

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
- screw specifications.
- Do not use screws that are longer than the standard dimension or do not comply with the VESA standard screw specifications. Screws that are too long may cause damage to the inside of the
- For wall mounts that do not comply with the VESA standard 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 mount the TV at more than a 15 degree tilt.

	Always have two people mount the 1 v on a wall.								
	Product Family	TV size in inches	VESA screw hole specs (A * B) in millimeters	Standard Screw	Quantit				
•		19~22	75 X 75	N44	4				
	I FD-TV	26	100 X 100	M4					
	LED-1V	32~40	200 X 200	M6					
		46~60	400 X 400	M8					

Do not install your Wall Mount Kit while

your TV is turned on. It may result in

personal injury due to electric shock.

## Securing the TV to the Wall



Caution: Pulling, pushing, or climbing onto the TV may cause the TV to fall. In particular, ensure that your children do not hang over or destabilize the TV; doing so may cause the TV to tip over, resulting in serious injuries or death. Follow all safety precautions provided on the included Safety Flyer. For added stability, install the anti-fall device for safety purposes, as follows.

- Since the necessary clamps, screws, and string are not supplied, please purchase these additionally
- wall. Make sure the screws are firmly fixed into the wall
- 3. Connect the clamps fixed onto the TV and the clamps fixed onto
- the connections for any sign of fatigue or failure. If you have any doubt about the security of your connections, contact a professional installer.

Install the TV close to the wall so that it does not fall.

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.

### **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 nformation on proper use.

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

The position and color may differ depending on the model.

### Assembling the Wire Holder stand

Until the string before moving the TV.





### Display Modes (HDMI/DVI Input)

. 4003 series: 1366 x 768@60Hz / 5003 series: 1920 x 1080@60Hz

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

## To prevent the TV from falling

- 1. Drive the screws into the clamps and firmly fasten them onto the
- 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
- the wall with a strong cable and then tie the string tightly.
- Nerify all connections are properly secured. Periodically check

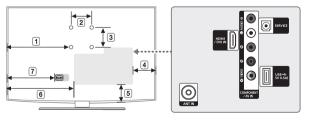
Environmental Considerations Operating Temperature Operating Humidity Storage Temperature Storage Humidity	50°F to 104°F (10°C to 40°C) 10% to 80%, non-condensing -4°F to 113°F (-20°C to 45°C ) 5% to 95%, non-condensing						
Model Name	UN22ES4003	UN32EH4003	UN39EH5003				
Display Resolution	1366	x 768	1920 x 1080				
Screen Size (Diagonal)	22" Class (21.5" measured diagonally)	32" Class (31.5" measured diagonally)	39" Class (38.5" measured diagonally)				
Sound Output	3W x 2	5W × 2	10W x 2				
Dimensions (W x H x D) Body With stand	20.4 X 12.5 X 1.9 inches (518.9 X 319.7 X 49.0 (mm)) 20.4 X 13.9 X 4.8 inches (518.9 X 354.1 X 123.4 (mm))	29.0 X 17.4 X 3.6 inches (738.4 X 444.0 X 93.2 (mm)) 29.0 X 19.5 X 7.5 inches (738.4 X 497.7 X 191.7 (mm))	35.2 X 20.9 X 3.6 inches (895.9 X 532.5 X 93.2 (mm)) 35.2 X 23.2 X 8.9 inches (895.9 X 589.3 X 227.6 (mm))				
Weight Without Stand With Stand	7.0 lbs (3.2 kg) 7.2 lbs (3.3 kg)	11.9 lbs (5.4 kg) 13.2 lbs (6.0 kg)	17.1 lbs (7.8 kg) 21.6 lbs (9.8 kg)				

- 12 -

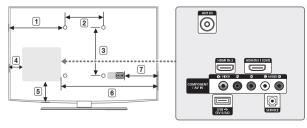
- Design and specifications are subject to change without prior notice.
- This device is a Class B digital apparatus. For information about the power required and more about power consumption, refer to the label attached to the product.
- National Typical power consumption is measured according to Energy Star Program requirements for televisions.

### ■ JACK PANEL DETAIL / REAR VIEW

### UN22ES4003



## UN32EH4003 / UN39EH5003



NOTE: All drawings are not necessarily to scale. Some dimensions are subject to change without prior notice. Refer to the dimensions prior to performing installation of your TV. Not responsible for typographical or printed errors. © 2012 Samsung Electronics America, Inc

UN39EH5003 (Unit: inches

UN22ES4003

UN32EH4003

(Unit: inches)

(Unit: inches

4.3

### • 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 This smell is normal and will dissipate over time. There is a plastic smell from the TV. V Signal Strength is unavailable in the • 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 The Channel menu is grey out • The Channel menu is only available when you select the TV source If TV is in the Store Demo mode, it will reset audio and picture settings every 30 minutes. Please change from Store Demo mode to Home Use mode using the Plug & Play procedure. Press the SOURCE button to select TV mode, go to MENU $\rightarrow$ Setup $\rightarrow$ Plug & Play $\rightarrow$ ENTER $\square$ . 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 connectors. 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

- Watch these troubleshooting on video at www.samsung.com/spsn.
- Some functions and pictures shown in this manual are available on specific models only. Support → Support → Downloads) by USB.

### **Storage and Maintenance**

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



Do not spray water directly onto the product. Any liquid that goes into the product may cause a failure, fire, or electric shock.



CU License - ICU 1.8.1 and later

of the copyright holder.

OPYRIGHT AND PERMISSION NOTICE

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

### License





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

nannel is a trademark of DTS, Inc. Product includes software. © DTS, Inc. All Rights Reserved. The terms HDMI and HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries.

Open Source License Notice

2012-05-21 🗓 9:41:52

## SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR LIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNES I A PARTICULAR PURPOSE AND NONINFRINGEMENT OF THIRD PARTY RIGHTS. IN NO EVE FORM A PAINT JOUGH POINT-USE AND VINITED INVESTIGATION OF THIRD AND IT INCUITS. IN INCUITE WE EVALUATE THE PAINT IN THIRST IS, IN INCUITED BY SHALL THE COPYRIGHT HOLDER OR HOLDERS INCLUDED IN THIS NOTICE BE LIABLE FOR ANY CLAIM, OR ANY SPECIAL INDIRECT OR CONSEQUENTIAL DAMAGES, OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

o send inquiries and requests for questions regarding open sources, contact Samsung via Email (os

opyright (c) 1995-2008 International Business Machines Corporation and others All rights reserved

opyright notice(s) and this permission notice appear in all copies of the Software and that both the bove copyright notice(s) and this permission notice appear in supporting documentation.

Except as contained in this notice, the name of a copyright holder shall not be used in advertising of otherwise to promote the sale, use or other dealings in this Software without prior written authorizat