HDM

♠ Che

USB

4003

5003

user manua

only and may differ from actual product appearance. Product design and specifications may be changed without notice.

Still image warning

Avoid displaying still images (such as jpeg picture files) or still image elements (such as TV channel logos, panorama or 4:3 image format, stock or news bars at screen bottom 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 below recommendations 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

Securing the Installation Space

Keep the required distances between the product and other objects (e.g. walls) to ensure proper ventilation. 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





Contact SAMSUNG WORLDWIDE

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

Country Customer Care Center Web Site

	-		
	MEXICO	01-800-SAMSUNG(726-7864)	www.samsung.com
	ARGENTINA	0800-333-3733	www.samsung.com
	BRAZIL	0800-124-421 4004-0000	www.samsung.com
	CHILE	800-SAMSUNG(726-7864)	www.samsung.com
	COLOMBIA	01-8000112112	www.samsung.com
	COSTA RICA	0-800-507-7267	www.samsung.com
n	DOMINICA	1-800-751-2676	www.samsung.com
	ECUADOR	1-800-10-7267	www.samsung.com
	EL SALVADOR	800-6225	www.samsung.com
)	GUATEMALA	1-800-299-0013	www.samsung.com
,	HONDURAS	800-7919267	www.samsung.com
	JAMAICA	1-800-234-7267	www.samsung.com
	NICARAGUA	00-1800-5077267	www.samsung.com
	PANAMA	800-7267	www.samsung.com
	PERU	0-800-777-08	www.samsung.com
	PUERTO RICO	1-800-682-3180	www.samsung.com
	TRINIDAD & TOBAGO	1-800-SAMSUNG(726-7864)	www.samsung.com
	VENEZUELA	0-800-100-5303	www.samsung.com

I IMPORTADO POR: SAMSUNG ELECTRONICS MÉXICO S.A. de C.V. I AV. PRESIDENTE MASARIK #111 INT701 I COL CHAPLILTEPEC MORALES C.P. 11570

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DELEGACION MIGUEL HIDALGO MEXICO. DISTRITO FEDERAL 01-55-5747-5100 / 01-800-726-7864

Getting Started

Remote Control & Batteries (AAA x 2) Warranty Card / Safety Guide Wire-Holder Stand

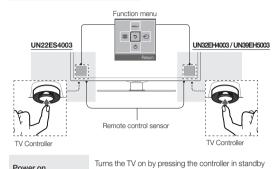
put Cables	(Sold Separately)	
HDMI	Component	Coaxial (RF)

I I-DVI	Component Composite (AV)	Coaxial (RF)
eck the cable be	fore plug-in	



TV Controller (Panel Key)

Cable



	mode.
Adjusting the volume	Adjusts the volume by moving the controller from s to side when the power is on.
Selecting a channel	Selects a channel by moving the controller up and down when the power is on.
Using the function menu	Press the controller when the power is on, then the function menu screen appears. If you press it again the function menu screen disappears.
Selecting the Media	Selects the MEDIA.P by moving the controller in

the function menu screen. The Media Play main elects the **MENU(III)** by moving the controller in the unction menu screen. The OSD(On Screen Display) Selecting the MENU of your TV's feature appears Selects the **Source List**(-) by moving the controller in the function menu screen. The **Source** List screen appears Selects the **Power Off** ((b)) to turn the TV off by Power Off ((¹)) moving the controller in the function r

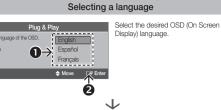
Exits the menu when pressing the controller more than 1 second

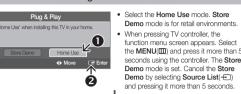
When selecting the function by moving the controller to the up/down/lef right directions, be sure not to press the controller. If you press it first, you cannot operate it to move the up/down/left/right directions

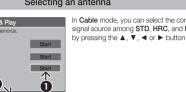
Plug & Play (Initial Setup)

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

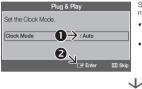
Connecting the power cord and antenna. (refer to 'Connections')







Setting the Clock Mode Set the Clock Mode automatically o



DST(Daylight Saving Time). (Daylight Savings Time) on or off, Select

Viewing the HD Connection Guide

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



Press the ENTER 4 buttor

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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 watch the selected channel



- All Channels: Shows all currently available channels.
- ★ Added Channels: Shows all added channels. ■ ♥ Favorite: Shows all favorite channels.
- **Programmed**: Shows all currently reserved programs
- Using the remote control buttons with the Channel List
- Green (Zoom): Enlarges or shrinks a channel number. • Yellow (Select): Selects multiple channel lists. Select desired

channels and press the Yellow button to set all the selected

els at the same time. The 🗸 mark appears to the left of • 🖅 (Tools): Displays the Channel List option menu. (The Options 🔲 Add to Favorite / Delete from Favorite 🔟

Channel Status Display icons

the selected channels.

Icons	Operations
✓	A channel selected.
•	A channel set as a favorite.
9	A reserved program.
ŏ	A program currently being broadcast.

■ Memorizing channels

Antenna (Air / Cable) TOOLS 7

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

Auto Program

- When selecting the Cable TV system: Selects the cable system. STD, HRC and IRC identify various types of cable TV systems. Contact your local cable company to identify the type of cable system that exists in your particular area. At this point,
- After all the available channels are stored, it starts to remove scrambled channels. The **Auto program** menu then
- Press the ENTER button to stop the channel store during Auto Program

How to Stop Auto Programming

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

☐ Other Features

Clear Scrambled Channel

This function filters out scrambled channels after Auto Program is completed. This process may take up to 20~30 minutes

Press the ENTER button to stop the Clear Scrambled Channel.

Set each channel using the Channel List menu options. Option

- Add / Delete: Delete or add a channel to display the channels
- All deleted channels will be shown on the All Channels
- The **Add** menu only appears for deleted channels.
- menu in the same manner.
- channel. Set the current time first to use this function. Only memorized channels can be reserved.
- When a digital channel is selected, press the ► (Next) Program) button to view the digital program. If you select
- Channel Name Edit (analog channels only): Assign your own
- Select All: Select all the channels in the channel list.
- Nou can only select Deselect All when one or more channels are selected.
- Auto Program: Scans for a channel automatically and stores in
- Programmed (in Channel List)

- You can view modify or delete a show you have reserved to watch. ■ Change Info: Change a show you have reserved to watch.
- Cancel Schedules: Cancel a show you have reserved to watch. ■ Information: Display a show you have reserved to watch. (You
- can also change the reservation Information.) ■ Select All / Deselect All: You can select or deselect all channels in the channel list.

Channel Mode

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

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

When connecting a PC, you can only select Entertain and

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

When connecting a PC, you can only make changes to

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

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

Your television has several setting options for picture quality control.

Fine Tune

channel banner.

Mode Tools

Color / Tint (G/R)

Advanced Settings

precise 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

(analog channels only) If the reception is clear, you do not have to fine tune the channel, as

this is done automatically during the search and store operation. If the signal is weak or distorted, fine tune the channel manually. Fine tuned channels that have been saved are marked with ar asterisk "*" on the right-hand side of the channel number in the

This function is only available in Cable mode.

menu items may differ depending on the channel status.

Channel List

Channel List Option Menu TOOLS

- A gray-colored channel indicates the channel has been
- Timer Viewing: You can set a desired channel to be displayed automatically at the set time; even when you are watching another
- Reserved programs will be displayed in the Programmed
- the ENTER (Schedule) button on the next program, you can set Timer Viewing directly.
- Deselect All: Deselect all the selected channels.
 - R-Offset / G-Offset / B-Offset: Adjusts each color's (red, green, 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.

Picture Options When connecting a PC, you can only make changes to the Color Tone, Size and HDMI Black Level.

■ Color Tone (Cool / Standard / Warm1 / Warm2) Warm1 or Warm2 will be deactivated when the picture

mode is **Dynamic**. ■ Size: Your cable box/satellite receiver may have its own set of screen sizes as well. However, we highly recommend you use

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

HD (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:

Input Source	Picture Size
ATV, AV, Component (480i, 480p)	16:9, Zoom1, Zoom2, 4:3
DTV(1080i, 1080p), Component (1080i, 1080p), HDMI (720p, 1080i, 1080p)	16:9, Wide Fit, 4:3, Screer Fit

- Digital Noise Filter (Off / Low / Medium / High / Auto): If the broadcast signal received by your TV is weak, you can activate the Digital Noise Filter feature to reduce any static and ghosting that may appear on the screen
- When the signal is weak, try other options until the best picture is displayed ■ HDMI Black Level (Normal / Low): Selects the black level on the screen to adjust the screen depth
- Available only in **HDMI** mode (RGB signals). ■ Film Mode (Off / Auto): Sets the TV to automatically sense and process film signals from all sources and adjusts the picture for
- 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

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

Picture Reset

optimum quality.

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

Resets your current picture mode to its default settings.

Sound Menu

connection numbers.

Connections

VHF/UHF Antenna

HAH

Media Play

Using a USB Drive

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.

For UN22ES4003 connection, you can refe

to UN32EH4003 / UN39EH5003 according to

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

better listening experience for the hearing impaired

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

ruSurround delivers a compelling, virtual surround sound experience

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

■ 100Hz / 300Hz / 1KHz / 3KHz / 10KHz (Bandwidth Adjustment) Adjusts the level of specific bandwidth frequencies. ■ Reset: Resets the equalizer to its default settings

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

SRS TruSurround HD

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.

Multi-Track Sound (MTS)

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

■ 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,

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

The current time will appear every time you press the INFO

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.

■ Sleep Timer TOOLS □ 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.

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

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

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. the volume may fluctuate each time channel is changed. This feature

□ Other Features

the USB device.

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

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".

Lock restrictions are set up or changed.

Changing the Input Source

You can only choose external devices that are connected

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

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)

PC

PC

AV Device (3)

VCR

• 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

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,

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.

box / sat box

Using an HDMI Cable (up

- Use to select TV or an external input source such as a DVD player / Blu-ray player / cable box / STB satellite receiver.
- VCR / DVD / Cable STB / Satellite STB / PVR STB / AV Receiver / Game / Camcorder / PC / DVI PC / DVI / TV / IPTV
- access Edit Name, press the TOOLS button in Source List. The following selections appear under **Edit Name**:

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

- / 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 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

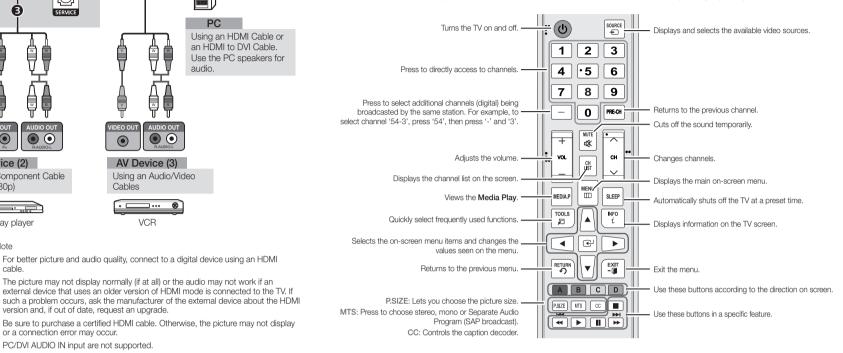
How to use Edit Name

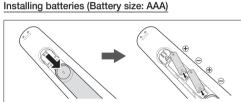
You can see detailed information about the connected external

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

Remote Control

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





■ 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

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)

Choose between English, Español and Français.

Precautions and limitations for game mode

When connecting to a game console such as PlayStation™ or

 $\mathsf{Xbox}^{\mathsf{TM}}$, 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

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

Analog Caption function operates in either analog TV channel

implemented a rating system that provides parents or guardians

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

- Bright light may affect the performance of the remote control oid use when nearby fluorescent lights or neon signs. • The Color and shape may vary depending on the model.
- TV Parental Guidelines: You can block TV programs depending Size: Options include Default, Small, Standard and Large. The default is Standard. Font Style: Options include Default and Styles 0 to 7. The

■ Digital Caption Options: (digital channels only)

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

- 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 Background Opacity to its default. Digital Caption Options are available only when Default and Service1 ~ Service6 can be selected in Caption
- The Foreground and Background cannot be set to have the

same color.

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 MUTE button has been pressed.

been reduced to minimum with the VOL - button.

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

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

When no sound is output from the TV because the volume ha

to prevent the formation of ghost images on the screen.

Eco Solution ■ 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

button to turn on the screen. ■ 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.

2012-05-21 🗓 9:15:50

[UE4003-ZX]BN68-04466C-ENG.indd 1

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

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



☐ Connecting a USB Device

- 1. Turn on your TV.
- 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 3. Press the ◀ or ▶ button to select an icon (Videos, Music,

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

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

• Media Play only supports USB Mass Storage Class (MSC)

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.

Photos only supports sequential jpeg format.

and some folders may not be opened.

The TV cannot play MP3 files with DRM that have been

• 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

be released automatically when your connect them to the TV.

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

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

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

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

• 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.

Photos, Settings), then press the ENTER button.

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

The file system supports FAT16, FAT32 and NTFS.

It might not work properly with unlicensed multimedia files.



- 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

External			
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

File Extension	Container	Video Codec	Resolution	Frame rate(fps)	Bit rate(Mbps)	Audio Codec
	MP4	DivX 3.11/4.x/5.1/6.0	1920x1080	6~30	30Mbps	MP3 / ADPCM / AAC
*.mp4		H264	1920x1080	6~30	30Mbps	
		AVC	1920x1080	6~30	30Mbps	
		MJPEG	640x480	6~30	10Mbps	
	AVI, MKV	DivX 3.11/4.x/5.1/6.0	1920x1080	6~30	30Mbps	MP3 /
		MPEG4 SP / ASP	1920x1080	6~30	30Mbps	AC3 / LPCM / ADPCM / DTS Core
		H264	1920x1080	6~30	30Mbps	
		MJPEG	640x480	6~30	10Mbps	D 10 0010

Possible Solution

1920x1080 6~30 1920x1080 6~30 30Mbps 1920x1080 6~30 . 264 BP / MP 1920x1080 24/25/30 30Mbps 264 BP / MP 1920x1080 6~30 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 container
- Sound or video may not work if the contents have a standard bit rate/ frame rate above the compatible Frame/sec listed in the table above.
- If the Index Table is in error, the Seek (Jump) function is not supported. • The menu may take longer to appear if the video's bit rate exceeds
- Video content can not be played, if there are many contents in one file.

_	Video Decoder
_	Supports up to H.264, Level 4.1

H.264 FMO / ASO / RS, VC1 SP / MP / AP L4 and AVCHD are not supported. MPEG4 SP, ASP

- Below 1280 x 720: 60 frame max - Above 1280 x 720: 30 frame max

H.263 is not supported 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



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

Troubleshooting

[UE4003-ZX]BN68-04466C-ENG.indd 2

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	
Tickering and Dimming	If your Samsung Television is flickering or dimming sporadically, you may need to disable some of its energy efficie 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. ■ Energy saving: User Menu → Setup → Eco Solution → Energy Saving	
Component Connections /	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.	
	$\bullet \ Self Diagnosis : User Menu \to Support \to Self Diagnosis \to Picture Test$	
	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	
Jnwanted Powering off	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	
simulated i origining on	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.	
	Sleep Timer: User Menu → Setup → Time → Sleep Timer If the Sleep Timer is not activated you may have preceded the No Signal Payer Off or Auto Payer Off feature. If the Sleep Timer is not activated you may have preceded the No Signal Payer Off or Auto Payer Off feature.	
	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 Auto Power Off : User Menu → Setup → Eco Solution → 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 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.	
Stand Assembly	If you have any trouble to assemble the stand though you refer to "Install the Stand" mentioned at separate guide	
Cannot find channel	Re-run plug and play.	
Poor picture	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	
	If the test image is properly displayed, the poor picture may be caused by the source or signal.	
The TV image does not look as good as t 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.	
	Air/Cable Antenna connection: Try HD channels after performing Auto program. Many HD channels are up peopled from SD/Standard Pofinition) contents.	
	 Many HD channels are up scaled from SD(Standard Definition) contents. Adjust the Cable/Set top box video output resolution to 1080i or 720p. 	
The picture is distorted: macroblock error, small block, dots, pixelization.	Compression of video contents may cause picture distortion, especially on fast moving pictures such as sports and action movies.	
•	A weak signal can cause picture distortion. This is not a TV problem.	
	Mobile phones used close to the TV (within 3.3ft) may cause noise in the picture on analog and digital channels.	
Color is wrong or missing.	If you're using a component connection, make sure the component cables are connected to the correct jacks. Incorrect or loose connections may cause color problems or a blank screen.	
There is poor color or brightness.	Adjust the Picture options in the TV menu. (go to Picture Mode / Color / Brightness / Sharpness) Adjust 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)	

- 13 -

Flobleili	POSSIDIE SOLUTION
There is a dotted line on the edge of the screen.	If the picture size is set to Screen Fit, change it to 16:9. Change cable/satellite box resolution.
The picture is black and white.	If you are using an AV composite input, connect the video cable (yellow) to the Green jack of component input 1 on the TV.
When changing channels, the picture freezes or is distorted or delayed.	If connected to a cable box, please try to reset it. (reconnect the AC cord and wait until the cable box reboots. It may take up to 20 minutes) Set output resolution of the cable box to 1080i or 720p.
Sound Problem	First of all, please perform the Sound Test to confirm that your TV audio is properly operating. (go to MENU - Support - Self Diagnosis - Sound Test) If the audio is OK, the sound problem may caused by the source or signal.
There is no sound or the sound is too low at maximum volume.	Please check the volume of the device (Cable/Sat Box, DVD, Blu-ray, etc.) connected to your TV.
The picture is good but there is no sound.	If you are using an external device, check the device's audio output option (ex. you may need to change your cable box's audio option to HDMI when you have a HDMI connected to your TV). Reboot the connected device by reconnecting the device's power cable.
The speakers are making an inappropriate noise.	Check the cable connections. Make sure a video cable is not connected to an audio input. For Antenna or Cable connections, check the signal information. A weak signal may cause sound distortion. Perform the Sound Test as explained above.
No Picture, No Video	
The TV will not turn on.	Make sure the AC power cord is securely plugged into the wall outlet and the TV. Make sure the wall outlet is working. Try pressing the POWER button on the TV to make sure the problem is not the remote. If the TV turns on, refer to 'Remote control does not work' below.
The TV turns off automatically.	Ensure the Sleep Timer is set to Off in the Time menu. If your PC is connected to the TV, check your PC power settings. Make sure the AC power cord is plugged in securely to the wall outlet and the TV. When you are watching TV connected to an antenna or cable connection, the TV will turn off after 10 - 15 minutes if there is no signal.
There is no picture/video.	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. Make sure your connected devices are powered on. Be sure to select the TV's correct source by pressing the SOURCE button on the remote control. Reboot the connected device by reconnecting the device's power cable.
Antenna(Air / Cable) Connection	
The TV is not receiving all channels.	Make sure the coaxial cable is connected securely. Please try Auto Program to add available channels to the channel list. go to MENU - Channel - Auto program then select Auto and make sure the correct Cable TV signal type is set in the menu. There are 3 options. (STD, HRC and IRC) Verify the antenna is positioned correctly.
No Caption on digital channels.	Check the Caption Setup menu. Try changing Caption Mode Service 1 to CC1. Some channels may not have caption data.
The picture is distorted: macroblock, error, small block, dots, pixelization.	Compression of video contents may cause picture distortion. Especially on fast moving pictures such as sports and action movies. A weak signal can cause picture distortion. This is not a TV problem.
Others	
Purple/green rolling horizontal bars and buzzing noise from the TV speakers with Component cable connection.	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.
The picture will not display in full screen.	HD channels will have black bars on either side of the screen when displaying up scaled SD (4:3) contents. Black bars on the Top & Bottom will be shown on movies that have aspect ratios different from your TV. Adjust the picture size option on your external device or change the TV to full screen.
The remote control does not work.	Replace the remote control batteries with correct polarity (+/-). Clean the transmission window located on the top of the remote control. Try pointing the remote directly at the TV from 5~6 feet away.
The cable/set top box remote control does not turn the TV on or off, or adjust the volume.	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.

- 10 -

2. Press the ◀/►/▲/▼ button to select the desired Music in the file ■ Playing the video/music/photo file group

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

same USB device.



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				
	Б .	1001 700				

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
- 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.

A "Mode Not Supported" message

Caption on the TV menu is greyed out.

TV **Signal Strength** is unavailable in the **Self Diagnosis** Test menu.

There is a plastic smell from the TV.

TV is tilted to the right or left side.

Your settings are lost after 30 minutes of every time the TV is turned off.

You have intermittent loss of audio or

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

POP (TV's internal banner ad) appears

Storage and Maintenance

scratches.

License

The Channel menu is grey out

You can move the other file

You can play movie and music

You can adjust the picture size

You can adjust the sound

stitles. This function only

guage if the video has more

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 for assistance when installing the wall mount bracket. Samsung

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

attaching to other building materials, please contact your nearest dealer. If you install the TV on a ceiling or slanted wall, it may fall and

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

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

ame file name as the video

You can change the audio

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 -

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.

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

Syou 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.

TV mode, go to MENU → Setup → Plug & Play → ENTER 🖃.

🦠 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

Using the Setup Menu

Other Information

Installing the Wall Mount Kit

Wall Mount Kit Specifications (VESA)

result in severe personal injury.

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

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

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.

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• You cannot select **Caption** in the TV menu when watching content from a device connected via HDMI or

• This function is only available for digital channels from an Antenna / RF/Coax connection

• Select Home Use under Plug & Play mode. For details, refer to Plug & Play (Initial Setup).

 Standard dimensions for wall mount kits are shown in the table 1. While a file list is displayed, move to any file in desired group. 2. Press the TOOLS button, and then select Play Folder.

When purchasing our wall mount kit, a detailed installation

NOTE

- 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 TV 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	M4	4					
LED-TV	26	100 X 100	IVI4						
	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.

~

✓ | **✓** | **✓**

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

To prevent the TV from falling

- 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
- 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.
- 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. Until the string before moving the TV.

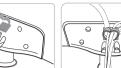
Kensington Lock

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 information on proper use.

 Please find a "
 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





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 x 1080
IDM	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	+/+		~

Specifications

50°F to 104°F (10°C to 40°C) Operating Temperature 10% to 80%, non-condensing -4°F to 113°F (-20°C to 45°C) Storage Temperature 5% to 95% non-cond UN22ES4003 UN32EH4003 UN39EH5003 Model Name 1920 x 1080 Screen Size 39" Class 22" Class 32" Class (38,5" measured diagonally) (Diagonal) 10W x 2 3W x 2 Dimensions (W x H x D) 20.4 X 12.5 X 1.9 inches 29.0 X 17.4 X 3.6 inches 35.2 X 20.9 X 3.6 inches 20.4 X 13.9 X 4.8 inches 29.0 X 19.5 X 7.5 inches 35.2 X 23.2 X 8.9 inches 11,9 lbs (5,4 kg) Without Stand 7.2 lbs (3.3 kg 13,2 lbs (6,0 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.

2012-05-21 🗓 9:15:54

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

warinactured urload incluses urload to 3.5. Patent Nos. 5,950,674, 5,974,504, 6,487,535 & other U.S. and worldwide patents issued & pending. DTS, the Symbol, & DTS and the Symbol together are registered trademarks & DTS 2.0 Channel is a trademark of DTS, Inc. Product includes software. © DTS, 2.0 Channel 2.0 Channel 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 Liconsing LLC in the Linger States and other countries. ne United States and other countries.

Manufactured under license under U.S. Patent Nos: 5,956,674; 5,974,380;

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

Do not spray water directly onto the product.

Any liquid that goes into the product may

cause a failure, fire, or electric shock.

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

SRS TheaterSound™ provides the most immersive surround sound experience from the TVs built-in speakers, while maintaining steady volume and delivering rich bass and clear dialog.

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

ABOUT IDVX VIDEC : DIXX'9 is a digital video format created by DixX, LLC, a subsidiary of Rovi Corporation. This is an official DixX Certified 9 device that plays DixX video. Visit fox, com for more information and software tools to convert your files into DixX videos. ABOUT DIXX VIDEO-ON-DEMAND: This DixX Certified 9 device must be registered in order to play purchased DixX Video-on-Demand (VOD) movies. To obtain your registration code, locate the DixX VOD section in your device setup menu. Go to vod. dixx.com for more information on how to complete your registration. Covered by one or more of the following U.S. patents: 7.295.673, 7.460.688, 7.515,710,7.519,274 DixXV9, DixX Certified® and

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of the copyright holder.

Clean the product with a soft cloth dampened

with in a small amount of water. Do not use a

flammable liquid (e.g. benzene, thinners) or a

cleaning agent.

To send inquiries and requests for questions regarding open sources, contact Samsung via Email (oss

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Securing the TV to the Wall

Caution: Pulling, pushing, or climbing onto the TV

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

Since the necessary clamps, screws, and string are not

- 2. Remove the screws from the back center of the TV, put the
- Nerify all connections are properly secured. Periodically check