Figures and illustrations in this User Manual are provided for reference

Important Warranty Information Regarding Television Format Viewing Wide screen format LED Displays with aspect ratios of 16:9 (the ratio of the

Wide screen format LED Displays with aspect ratios of 16:9 (the ratio of the screen width to screen height) are primarily designed to display wide screen format full-motion video. The images displayed on them should primarily be in the wide screen i6:9 ratio format, or expanded to fill the screen if your model offers this feature and the images are constantly moving. Displaying stationary graphics and images on screen, such as the dark sidebars on non-expanded standard format television video and programming, should be limited to no more than 5% of the total television viewing per week. Additionally, viewing other stationary images and text such as stock market crawls, video game displays, station logos, web sites or computer graphics and patterns, should be limited as described above for all televisions. Displaying stationary images and text such as stock market crawls, video game displays, station logos, web sites or computer graphics and patterns, should be limited as described above for all televisions. Displaying stationary images and text such as stock market crawls, video game displays, station logos, web sites or computer graphics and patterns, should be limited as described above for all televisions or computer graphics and images in the LED picture. To avoid this, vary the programming and images in the LED picture. To avoid this, vary the programming and images in the LED picture. To avoid this, vary the programming and images in the LED picture. To avoid this, vary the programming and images in the LED picture. To avoid this, vary the programming and images in the LED picture. To avoid this, vary the programming and images in the LED picture. To avoid this, vary the programming and images in the LED picture. To avoid this, vary the programming and images in the LED picture. To avoid this, vary the programming and images in the LED picture. To avoid this, vary the programming and images in the LED picture. To avoid this, vary the programming and images in the LED picture. To avoid this, v

 SAMSUNG ELECTRONICS NORTH AMERICAN LIMITED WARRANTY STATEMENT
 SE careful when you contact the TV because some parts can be somewhat hot Subject to the requirements, conditions, exclusions and limitations of the original imited Warranty supplied with Samsung Electronics (SAMSUNG) products, and the requirements, conditions, exclusions and limitations contained herein. SAMSUNG will additionally provide Warranty Repair Service in the United States on SAMSUNG products purchased in Canada, and in Canada on SAMSUNG products purchased in the United States, for the warranty period originally ecified, and to the Original Purchaser only.

The above described warranty repairs must be performed by a SAMSUNG Authorized Service Center, Along with this Statement and the Original Limited Warranty Statement, 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 encounte in normal use of the product. Exclusions include, but are not limited to, any originally specified provisions for in-home or on-site services, minimum or num 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-SAMSUNG



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 caus

Avoid displaying the same TV channel for long period

ing of LED screen, which will affect image quality. To reduce risk of this effect

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

Keen 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

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 problen with the product or an injury due to the product falling.

U.S.A

Ridgefield Park, NJ 07660

If you have any questions or comments relating to Samsung products,

Samsung Electronics

2050 Derry Road West

support (English)

Mississauga, Ontario L5N 0B9

1-800-SAMSUNG (726-7864)

www.samsung.com/ca_fr/

© 2018 Samsung Electronics Co., Ltd. All rights reserved.

ease contact the SAMSUNG customer care center

CANADA

Contact SAMSUNG WORLD WIDE

Country

Address

Center ☎

Web Site

Customer Care

Frequently use all TV features designed to reduce image retention and screen

picture quality, exceeded values may speed up the burnout process

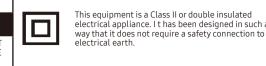
Warning! Important Safety Instructions SAMSUNG (Please read the Safety Instructions before using your TV.)

RISK OF ELECTRIC SHOCK. DO NOT OPEN. TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NO EMOVE COVER (OR BACK). THERE ARE NO USER SERVICEABLE

magnitude to constitute a risk of electric shock.

Important Safety Instructions

PARTS INSIDE. REFER ALL SERVICING TO QUALIFIED PERSONNEL. This lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of non-insulated "dangerous voltage" within the product's enclosure that may be of sufficient



AC voltage: Rated voltage marked with this symbol i AC voltage.

Caution. Consult instructions for use: This symbol

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance instructions in the literature accompanying the appliance.

instructs the user to consult the user manual fo further safety related information.

 Read these instructions – All the safety and operating instructions should be read before this product is operated. • Keep these instructions – The safety and operating instructions should be retained for future reference.

• Heed all warnings – All warnings on the appliance and in the operating instructions should be adhered to • Follow all instructions – All operating and use instructions should be followed.

• Do not use this apparatus near water – The appliance should not be used nearwater or moisture – for example, in a wet basement or near Clean only with dry cloth.

• Do not block any ventilation openings. Install in accordance with the manufacturer's instructions. • Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat. • Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding-type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the

provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet • Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.

• Only use attachments/accessories specified by the manufacturer. • Use only with the cart, stand, tripod, bracket, or table speci fied by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over. • Unplug this apparatus during lightning storms or when unused for long periods of time.

• Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as the power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped. Please keep the unit in a well-ventilated environment.

• Do not block ventilation slots in the back cover. You may place the TV in a cabinet, but ensure at least 5cm (2") clearance all around. • The ventilation should not be impeded by covering the ventilation openings with items, such as newspapers, table-cloths, curtains, etc. • No naked flame sorces, such as lighted candles, should be placed on apparatus.

• The use of apparatus in moderate climates. • Attention should be drawn to the environmental aspects of battery disposal.

WARNING: To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture. The apparatus should not be

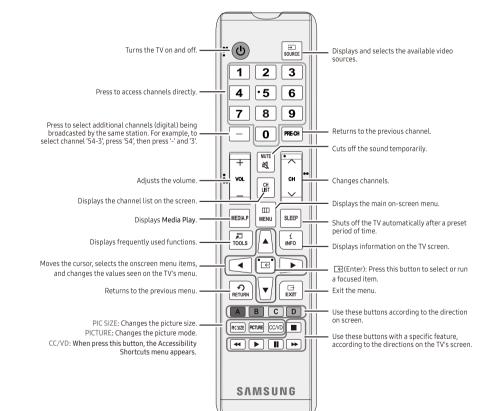
exposed to dripping or splashing. Objects filled with liquids, such as vases should not be placed on apparatus

WARNING: The batteries shall not be exposed to excessive heat such as sunshine, fire or the like.

WARNING: The main plug is used as disconnect device, the disconnect device shall remain readily operable.

WARNING: To reduce the risk of electric shock, do not remove cover (or back) as there are no user-serviceable parts inside. Refer servicing to qualified personne

Remote Control The On Screen Menus



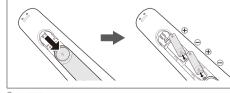
The button names above may differ from the actual names. Some buttons on the remote control may not be available.

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

Display Modes (HDMI/DVI Input)

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

Installing batteries (Battery size: AAA)



NOTE

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

· The Color and shape may vary depending on the model

Your TV has two kinds of menus, the Main menu and the various Tools menus ne Main menu gives you access to most or all of the menu options available on your TV. The Tools menus display a selected number of frequently used menu options that change depending on the screen you are viewing. A Tools menu symbol (知) in the lower right side of the screen indicates that a Tools menu is available

The Main menu has seven primary categories Picture Sound Application

 Support Setup o view the Main menu, press the MENU button on your remote. To view a Tools menu, press the TOOLS button on your remote.

source, the Channel category will not appear. To see the Channel category, you must first select TV in the Source List

The Menu options are presented below, arranged by Main menu categories. A Tools button symbol ($\fbox{\ \ }$) next to an option name indicates the option is also available in one of the Tools menus.

The menu options that appear in the Main menu depend on the Source

Mode Tools, □

Select your preferred picture mode.

Picture Menu

When your TV is connected to a PC, you can only select Entertain and Standard.

Dynamic: Brightens the screen. Suitable for a bright room. Standard: Suitable for normal room brightness.

■ Movie: Darkens the screen, making it less glary. Suitable for watching movies in a

Only available when the TV is connected to a PC.

Backlight / Contrast / Brightness / Sharpness / Color / Tint (G/R) ■ Backlight: Adjusts the brightness of the screen by adjusting the brightness of the

■ Contrast: Increases or decreases the contrast between dark and light areas of the

■ Brightness: Adjusts the brightness of the screen. Not as effective as Backlight

Sharpness: Sharpens or dulls the edges of objects.

■ Color: Adjusts the color saturation. The higher the Color setting, the more intense ■ Music: Emphasizes music over voices.

the color. Low settings remove color and the picture becomes black, white, and gray. ■ Tint (G/R): Adjusts the amount of green and red in the picture. As you increase the nount of green, the amount of red decreases and vice versa. When the TV is connected to a PC, you can only make changes to Backlight.

Contrast, Brightness, and Sharpness. Picture Options

When the TV is connected to a PC, you can only make changes to the Color Tone, Size, and HDMI Black Level. ■ Color Tone (Cool / Standard / Warm): Cool makes the picture bluer (cooler). Warm

makes the picture redder (warmer). Warm is deactivated when the picture mode is set to Dynamic. Size: Set the size and aspect ratio of the picture on the screen.

Your cable box or satellite receiver may have its own set of screen sizes as well. wever, we highly recommend you use the TVs 16:9 mode most of the time. 16:9: Sets the nicture to the 16:9 wide screen format

Zoom1: Provides moderate magnification of the picture. Sides, top, and bottom are Zoom2: Provides larger magnification of the picture. Sides, top, and bottom are cut off. Wide Fit: Enlarges the aspect ratio of the picture so the picture fits the entire screen. 4:3: Sets the picture to the old, 4:3 format and puts black or gray borders on the right

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

Screen Fit: Displays the full image without any cut-off when your TV is inputting HDMI (720p / 1080i / 1080p) or Component (1080i / 1080p) HD signals. HD (High Definition) has a 16:9 aspect ratio and 1080i/1080p

(1920x1080) or 720p (1280x720) resolution You can adjust and store settings for each external device you have connected to an input on the TV. Picture Sizes available by Input

Source are listed below:

Custom: Magnifies or shrinks 16:9 pictures vertically and/or horizontally. A magnified or shrunk picture can be moved left, right, up, and down.

Picture Size

ATV, AV, Component (480i, 480p)	16:9, Zoom1, Zoom2, 4:3				
DTV (1080i, 1080p), Component (1080i,	16:9, Wide Fit, 4:3, Screen				
1080p), HDMI (720p, 1080i, 1080p)	Fit				
Digital Clean View (Off / Low / Medium / High / Auto) - If the broadcast signal					

ved by your TV is weak, you can activate the Digital Clean View feature to reduce any static and ghosting that may appear on the screen. When the signal is weak, try all the Digital Clean View options until the

TV displays the best picture. HDMI Black Level (Normal / Low): For HDMI signals, select the black level to adjust the screen depth. Low make blacks look darker.

Available only in HDMI mode (RGB signals). ■ Film Mode (Off / Auto1 / Auto2) : 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). ■ Motion Lighting (Off / On): When on, the TV automatically dims the screen's

backlights when full brightness is not needed - for example when the TV is displaying dark scenes - to reduce power consumption. The backlights are returned to full brightness when the TV displays bright scenes. Picture Off

The screen is turned off but the sound remains on. Press any button except

the power key or volume button to turn on the screen

Picture Reset

■ Picture Reset (Reset Picture Mode/Cancel): Resets the picture settings to their factory defaults.

Sound Menu

Mode Tools, ☐

■ Standard: Selects the normal sound mode.

Equalizer

■ Reset: Resets the equalizer to its default settings.

Available in Standard sound mode only.

■ Balance L/R: Adjusts the balance between the right and left speaker ■ 100Hz / 300Hz / 1kHz / 3kHz / 10kHz (Bandwidth Adjustment): Adjusts the

Automatically adjusts the volume level when you change video sources or content so the level remains the same.

Speaker Select

Auto Volume

If you are listening to the sound track of a broadcast or movie through an external receiver, you may hear a sound echo caused by the difference in decoding speed between the TV's speakers and the speakers attached to your audio receiver. If this occurs, set the TV to External Speaker.

When you set Speaker Select to External Speaker, the TV's speakers are turned off. You will hear sound through the external speakers only. When you set Speaker Select to TV Speaker both the TV's speakers and the external speakers are on. You will hear sound through both.

When Speaker Select is set to External Speaker, the VOLUME and MUTE buttons will not operate and the sound settings will be limited. ■ If there is no video signal, both the TV's speakers and the external

Preferred Language

and switching the input source.

Plug & Play (Initial Setup)

Digital channels only.

Getting Started

Owner's Instructions

• Remote Control & Batteries (AAA x 2)

• Warranty Card / Regulatory Guide

Input Cables (Sold Separately)

Accessories

Audio

HDMI

USB

Composite (AV)

Digital-TV broadcasts can transmit many audio tracks simultaneously (for example, simultaneous translations of a program into foreign languages). You can only select a language from among the ones being broadcast.

Multi-Track Sound (MTS)

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

The product color and shape may vary depending on the model

You cannot input the numbers by pressing the TV's controller.

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

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

Depending on the program being broadcast, you can listen to Mono, Stereo or SAP.

SPDIF Output

he SPDIF (Sony Philips Digital InterFace) outputs an uncompre audio signal when you connect the digital audio jack on the back of the TV to a digital audio in jack on a receiver or home theater

■ Audio Format: You can select the Digital Audio output (SPDIF) format. The available Digital Audio output (SPDIF) format may differ depending on the input source.

■ Audio Delay: Lets you correct timing mismatches between the audio track and the video when you are watching the TV and listening to digital audio output from the TV through an external device such as an AV receiver. When you select Audio Delay, a slider appears. Use the left and right arrow buttons to adjust the slider. Press ENTER when done (0ms ~ 250ms).

Video Description (digital channels only)

Add video description to the main audio to help the visually impaired

Dolby Digital Comp

HDMI Audio Format You can select the HDMI Audio format. The available HDMI Audio format may differ depending on the input source.

Sound Reset

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

Channel Menu

□ Memorizing Channels

When you first set up your TV using Plug & Play, the TV memorized the channels that were available over the air or through your cable system and added them to the Channel List. The Antenna and Auto Program functions escribed below let you re-run the channel memorization function without

Antenna (Air / Cable)

having to re-run the Plug & Play procedure.

Before your television can memorize the available channels, you must select your TV's signal source, Air (using an antenna) or Cable. Select Menu > Channel > Antenna > Air or Cable. After you have selected the signal source, go on to the Auto Program function. Selecting the signal source using the Antenna function also determines the signal source the TV is tuned to. For example, if you receive your TV signal over the air, and you select Cable, you will see

only snow. You must select Air to see a picture. Auto Program

or through your cable system and adds them to the **Channel List**. If you are using a cable or satellite hox you do not need to run the Auto Program function.

To start Auto Program, follow these steps:

1. Push MENU \longrightarrow Channel \rightarrow Auto Program \rightarrow ENTER \bigcirc on your remote. The Antenna Source screen appears.

2. On the Antenna Source screen, select the source of your TV signal If your TV is connected to an antenna choose Air, and then press ENTER ⊡. The

TV will automatically start memorizing channels.

Power Cord

HDMI-DVI

damage the TV port.

Do not plug in opposite or wrong direction. It could

Coaxial (RF)

🦠 Make sure you have the correct cable before plugging it in. Illustrations of common plugs and jacks are shown below.

Ports/Jacks

The TV's Controller, a small joy stick like button on the bottom right side of the TV, lets you control the TV without the remote control.

🔈 If you press it first, the control menu appears. You can select the function by pressing and holding the TV's controller.

🛸 With the TV's Controller, you cannot perform other operations except for turning the TV on or off, changing the channel, adjusting the volume

When you turn the TV on for the first time, a sequence of screens and on-screen prompts will assist you in configuring the TV's basic settings. Press the POWER button. Plug & Play is available only when the Input source is set to TV. Set the initial setup following instructions that the TV

- 3 -

Control Menu

0 ^ V + - E

ు : Turns the TV on or off.

^ / ✓ : Changes channels

+ / - : Adjusts the volume.

Remote control sensor/TV Controller

: Displays and selects the available video sources.

Do not plug cables in upside down. Be sure to check the orientation of the plug before plugging it in.

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

ENTER ☑. Go to Step 3.

Managing Channels

Channel List

If you choose Auto, and then press ENTER ☑, the TV will automatically select the correct Antenna source. Go to Step 3.

On the Cable Type screen, use the ◀/▶/▲/▼ buttons to select the type of

digital and analog cable systems you have: STD, HRC, or IRC. Most systems are STD (Standard). When done, select Start, and then press ENTER ... The TV will start memorizing channels.

Channel memorization can take up to 45 minutes, depending on your cable system. Memorized channels are added to the Added Channels list. These are the

channels you will see when you use the Channel buttons on your remote Clear Scrambled Channel

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

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

See your list of Added channels, Favorite channels, or channels you've scheduled for viewing. Add or delete Favorite channels, add or delete channels from the Added Channels list, schedule channels or programs fo viewing. Watch a channel by selecting the channel in the All Channels. Added

Channels, or Favorite Channels screen, pressing the ▲ / ▼ buttons, and then pressing the ENTER □ button. Channel List Screens icons are listed on the left side. Select an icon using the

■ 🦏 All Channels: Shows all currently available channels including those u deleted from the Added Channels list. Added Channels: Shows all Added Channels. These are the channels hat appear when you press the CH button:

■ **(a)** Programmed: Shows all channels and programs currently scheduled Remote control buttons active on the Channel List screen

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

• Green (Zoom): Enlarges or shrinks a channel number. Vellow (Select): Move the cursor to a channel. Press the Yellow button to select the channel. A

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

• 🖅 (Tools): Displays the Channel List Tools menu. (The Tools menus may differ depending on the situation.)

If you use a cable box or satellite box, you cannot use the Channel List

Display Icons Used in the Channel List Screens

✓ A selected channel A Favorite channel. The Auto Program function memorizes all channels that are available over the air A reserved program.

A program currently being broadcast.

Connections

date, request an upgrade.

may not display or a connection error may occur.

• PC/DVI AUDIO IN input is not supported.

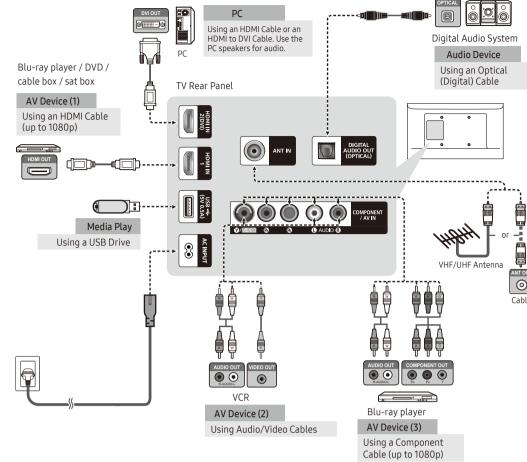
• For the best picture and audio quality, connect digital devices using • For an HDMI to DVI cable connection, you must use the HDMI IN 2

• If you connect an external device to the TV that uses an older version • Connecting through the HDMI cable may not be supported

the audio does not work.

of HDMI, the video and audio may not work. If this occurs, ask the manufacturer of the device about the HDMI version and, if it is out of

• Be sure to purchase a certified HDMI cable. Otherwise, the picture
• For Set-top box connection using HDMI cable, we highly recommend you to connect the HDMI IN 1 (STB) port



How to use Edit Name Input Menu Source List

Use to select TV or other external input sources such as DVD / Blu-ray players / cable box / STB satellite receiver connected to the TV.

Source List, connected inputs are highlighted.

□ The Channel List Tools Menu TOOLS □

All Channels, Added Channels, and Favorite Channels List screens. To view,

select a list screen, select a channel, and then press the TOOLS button.

To add channels to the Added Channels list, follow these steps:

1. Select one or more channels in the All Channels list using the ▲/▼
buttons and the Yellow Select button on your remote.

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

3. Select Add in the Tools menu, and then press the ENTER ← button.

The Add menu option only appears for deleted channel

To delete channels from the Favorite Channels list follow these step

the Added Channels list.

channels from your Favorite Channels list.

All deleted channels will be shown on the All Channels list. You add

channels back to the Added Channels list on the All Channels list.

 Press the SOURCE button. 2 Select a desired external input source

If you have connected a PC to the HDMI IN 2 (DVI) port with an HDMI cable, you should select PC mode in Edit Name. TV / AV / Component / HDMI1 / HDMI2/DVI ou can only choose external devices that are connected to the TV. In the

- 4 -

wn next to HDMI 2.

If you have connected a PC to the HDMLIN 2 (DVI) port with an HDMI to DVI cable, you should select DVI PC mode in Edit Name.

If you have connected an AV device to the HDMI IN 2 (DVI) port with

Edit Name lets you associate a device name to an input source, making it

easier to select a source. To access Edit Name, enter the Input menu, and

then select Edit Name. Select the name of the device from the drop down next to the name of the input jack it is connected to. For example, if your

Blu-ray player is connected to HDML2 select Blu-ray player from the drop

an HDMI to DVI cable, you should select DVI mode in Edit Name

have scheduled To change the information, follow these steps:

Add / Delete: Delete a channel from or add a channel to the Added Channels list. 1. Select one or more channels in the Added Channels list, follow these steps:
1. Select one or more channels in the Added Channels list using the ▲/▼ buttons and the Yellow Select button on your remote.
2. Press the TOOLS button on your remote. The Tools menu appears.
3. Select Delete in the Tools menu, and then press the ENTER ☑ button.

appears.
3. Select Change Info, and then press the ENTER ← button. The Timer Viewing screen appears.

4. Use the ◀/▶ buttons to move from entry field to entry field and the ▲/▼

■ Cancel Schedules: Cancel a show or channel you have scheduled

To cancel a scheduled show or channel, follow these steps:

A gray-colored channel indicates the channel has been deleted from and then press the ENTERLE button.
On the Programmed List screen, select the show or channel entry you want to cancel, and then press the TOOLS button. The Tools Menu appears.
Select Cancel Schedules, and then press the ENTERLE button. The Cancel ■ Add to Favorite/Delete from Favorite: Lets you add channels to and delete

Information: Display the information for a show or channel you have scheduled. You can also change the schedule Information.

On the Programmed List screen, select the show or channel entry you want information for, and then press the TOOLS button. The Tools Menu appears. Select Information, and then press the ENTER € button. The Timer Viewing

. Select one or more channels in the Favorite Channels list using the ▲/▼ buttons and the Yellow Select button on your remote.
. Press the TOOLS button on your remote. The Tools menu appears.

■ Select All / Deselect All: You can select or deselect all channels in the channel list ■ Timer Viewing: You can schedule a channel to be displayed automatically at a set time, even when you are watching another channel. You must set the current time first in the Time > Clock function to use Timer Viewing

schedule a channel, follow these steps: 1. Select a channel in the **Added Channels** list using the **▲/▼** buttons and

select **Delete from Favorite** in the Tools menu, and then press the

button. The Timer Viewing screen appears.
Use the ◀/▶ buttons to move from entry field to entry field and the ▲/▼ buttons to change the entries. Where numbers are displayed, you can also enter numbers directly using the number keypad on your remote. If you select Everyday or Every Week, the date you select in the Date field becomes the start date for your scheduled viewing. For Everyday, the TV will turn on every day, at the time you

selected starting from that date For Every Week, the TV will

turn on every week, on the same day of the week as the start date you selected, at the time you selected, from that day on. If you select Once the TV will turn on once on the date and time

you selected. 5. Press the ENTER ⊡ button on your remote when done. Only Added Channels can be scheduled. Scheduled programs and channels are displayed in the Programmed

When you select a digital channel, press the ▶ button to view the digital program list. If you highlight a program in the list, and then press the ENTER ⊡(Schedule) button, you set Timer Viewing for that program directly.

■ Channel Name Edit: Analog channels only Lets you assign a name of up to ive characters to an analog channel. For example, Hist, Food, Golf, etc. This makes it easier to find and select a channel . Select All: Select all the channels in the displayed channel list.

■ Deselect All: Deselect all the selected displayed channels.

You can only select Deselect All when one or more channels are ■ Auto Program: See Auto Program under Memorizing Channels.

• Programmed List (on the Channel List Screen)

The Programmed list displays the channels and programs you have scheduled for viewing using the Timer Viewing function. You can view, modify, or delete a show you have scheduled using the functions on the Programmed List screen

Programmed List Screen Tools Menu TOOLS 7

innel List Tools menu contains most of the functions you can use on the 📕 Change Info: Change the scheduling information for a show or channel you

buttons to change the entries. Where numbers are displayed, you can also enter numbers directly using the number keypad on your remote. Press the ENTER 🔁 button when done.

Schedules screen appears. Select OK, and then press the ENTER ← button. To add channels to the Favorite Channels list, follow these steps:

1. Select one or more channels in the All Channels list using the ▲/▼ buttons and the Yellow Select button on your remote.

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

3. Select Add to Favorite in the Tools menu, and then press the ENTER ☑

Select the **Programmed** List icon on the left side of the **Channel List** screen, and then press the ENTER button.

(Channel) button on your remote. For example, if you select Favorite Channels,

Other Channel Menu Functions Channel Mode (Added Channels/Favorite Channels) Lets you select the channel list displayed when you press the ACHV

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. uistoried, line uite chainet manuary. & Select the channel, and then select **Fine Tune**. & Fine tuned channels that have been saved are marked with an asterisk *" on the right-hand side of the channel number in the channel banner To rest fine-tuning, select the channel, select Fine Tune, and then select Reset on the Fine Tune screen.

Lets you re-run the Plug & Play initial setup procedure. For instructions, see

Setup Menu Plug & Play

vour Quick Start Guide Set the menu language. Choose between English, Español, and Français.

☐ Setting the Time 🖎 The time you set will appear when you press the INFO button.

■ Clock: Set the clock so you can use the various timer features of the TV.

If you disconnect the power cord, you have to set the clock again. To set the clock, follow these steps: . Select Setup >Time > Clock. . Press ENTER ⊡ and select Auto or Manual, and then press ENTER ⊡ again. If you selected Auto:

In you selected value:

The TV will automatically download the correct time from a digital channel.

Select Time Zone, and then press the ENTER ⊕ button. Use the ▲/▼
buttons to select your Time Zone, and then press ENTER €.

Select DST (Daylight Savings Time), and then press ENTER €. Select On if you want to turn the DST adjustment on and off manually. Select Off to turn off the DST adjustment. Press ENTER € when done.

The DST and Time Zone functions are only available when the Clock Mode is set to Auto.

If you selected Manual:
The Clock Set screen appears. Use the ▲/▼ buttons to change the values in each field or use the number buttons to enter the values directly. Use the ◀/▶ buttons to move from field to field. When done

with all the fields, press ENTER ← Available only when Clock Mode is set to Manual. ■ Sleep Timer TOOLS ■ stomatically shuts off the TV after a preset period of time, (30, 60, 90,

120, 150 and 180 minutes) To cancel the Sleep Timer, select Off Timer 1 / Timer 2 / Timer 3 Turns the TV on and off automatically at times and days you select. You can set three different on/off timer settings.

You must set the clock first. On Time / Off Time: Set the hour, minute, am/pm, and Activate/Inactivate fields for the On Time and Off Time. Use the ◀/▶ buttons to move from field to field. Use the ▲ /▼ buttons to change the values in each field.

To activate the timer with the setting you have chosen, set the Activate/ Inactivate field to Activate.

Volume: Set the desired loudness.Contents: To select what will be turned on when the timer setting is activated. You can set the TV to turn on a specific channel or play back

ontents such as photo or audio files. Use the **◄/**▶ buttons to move to the Contents field, and then press the ENTER \boxdot button. The Contents screen appears. Use the $\blacktriangleleft/\blacktriangleright$ buttons to move from field to field. Use the $\blacktriangle/\blacktriangledown$ buttons to change the values in

- TV/USB: Select TV or USB. The USB device must be connected to your TV hefore you can select USB

- Antenna: Displays the current antenna source, Air or Cable. - Channel: If you have selected TV, select the desired channel. - Music/Photo: If you have selected USB, follow these steps to select a folder containing MP3 (Music) or JPEG (Photo) files on the USB device:

The maximum number of files the TV can display, including sub folders, in one folder of a USB storage device is 1000. The media may not play smoothly if you use a USB device rated lower

than USB 2.0. 1. Use the ◀/▶ buttons to move to the field under Music or the field under Photo, and then press the ENTER ← button. The TV displays a single folder (the Root folder) and the type or name of the device.

2. Press the ENTER button. A list of folders on the device appears.

If there are no folders on your device, press the Yellow select button to select the Root folder, and then press the RETURN button. The Timer screen re-appears.

 Use the ▲ / ▼ buttons to highlight a folder that contains music or photos, and then press the Yellow select button to select the folder. Press the RETURN button. The Timer screen re-appears. Repeat: Select Once, Everyday, Mon~Fri, Mon~Sat, Sat~Sun or Manual If you select Manual, you can select the days you want to activate the timer by using the </br>
The buttons to highlight the day, and then pressing the ENTER
button. To unselect a day, highlight it, and then press the

ENTER ← button When you finished making all your selections on the Timer screen, press either the ENTER ← or RETURN button.

Other Features Voice Guide (On/Off)

des that describe the menu options aloud to aid the Voice Guide: Enable or disable the Voice Guide feature. Voice Guide is

provided in the current language. **Volume**: Set the volume of the voice guide.

■ Pitch: Set the pitch of the voice guide. Speed: Set the speed of the voice guide. Game Mode (On/Off)

When you connect a game console such as a PlayStation™ or Xbox™ to your TV, you can enjoy a more realistic gaming experience by turning on the **Game**

Precautions and limitations for game mode:

 Before you disconnect the game console and connect another external device, set Game Mode to Off in the setup menu. If you display the TV menu in Game Mode, the screen shakes slightly.
 Game Mode is not available when the input source is set to TV.

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

slightly reduced picture quality.

J4000_ZC_BN68-08225G-00_ENG. indb 2

Program Rating Lock e Program Rating Lock feature lets you block programs you've determined are inappropriate for your children based on the program's ratings. To access the Program Rating Lock feature and make any changes, you must enter a PIN (nersonal identification number). To watch a blocked program, you must also

Program Rating Lock is not available in HDMI or Component mode. The default PIN number of a new TV set is "0-0-0-0". You can set your own PIN using the **Change PIN** function.

How It Works

When you access the **Program Rating Lock** Menu functions for the first time the PIN input screen appears. Enter 0-0-0-0. The PIN screen closes and the Program Rating Lock Menu appears. Every time you access the Program Rating Lock functions, the PIN screen will appear and you must enter a PIN. When the Rating Lock screen appears, select Program Rating Lock, and then press ENTER 🔄 Select On, and then press the ENTER 🖼 key again. Depending on what type of programs or movies you want to block, select one of the options

n the screen, and then press the ENTER 🔀 button. The options are listed below TV Parental Guidelines: You can block TV programs based on their ratings. his function allows you to control what your children are watching.

 MPAA Rating: You can block movies based on their MPAA ratings.
 The Motion Picture Association of America (MPAA) has implemented. a rating system that provides parents or guardians with advanced information on which films are appropriate for children.

 Canadian English: You can block TV programs based on their Anglophone Canadian ratings Canadian French: You can block TV programs based on their French Canadian ratings.

Downloadable U.S. Rating: You can use parental restriction information while watching

Locking/Blocking Programs or Movies

You lock or block programs and/or movies in essentially the same way for each option. Each option displays a grid or table. All the tables have ratings listed on the left. The TV Parental Guidelines option also has kinds of content listed across the top: All: Lock all TV ratings. / FV: Fantasy violence / V: Violence / S: Sexual situation / L: Adult Language / D: Sexually Suggestive Dialog. To lock/block movies or shows with certain ratings and/or kinds of content, click the square next to the rating and/or under the kind of content. A lock appears. To unlock/unblock, click the square again. When you click a low oting, all the ratings above it will also display locks. You can also Allow All or ock All. When done, press the RETURN button on your remote.

Change PIN: Select Change PIN and the Change PIN screen appears. Choose any 4 digits for your PIN, and then enter them in the Enter New PIN fields. Re-enter the same 4 digits in the Confirm New PIN fields. When the Change PIN screen disappears, press the OK button. The TV has memorized your new PIN.

If you forget the PIN, press the remote-control buttons in the following sequence, which resets the pin to "0-0-0-0": POWER (off) \rightarrow MUTE \rightarrow 8 \rightarrow 2 \rightarrow 4 \rightarrow POWER (on)

Caption
Careen Text Dialogue) ■ Caption: You can switch the caption function on or off. If captions are not available, they will not be displayed on the screen.

The Caption feature does not work in Component or HDMI mode. ■ Caption Mode: You can select the desired caption mode. Default / CC1-CC4 / Text1-Text4: (analog channels only) The Analog Caption function operates in either analog TV channel mode or when a signal is supplied from an external device to the TV. (Depending on the broadcasting signal, the Analog Caption function may or may not work with digital channels.) Default / Service1-Service6 / CC1-CC4 / Text1-Text4: (Digital channels) nly) The Digital Captions function works with digital channels. Service1–6 may not be available in digital caption mode depending on the broadcas

■ Digital Caption Options: (Digital channels only) Size: Options include Default, Small, Standard, Large and Extra Large. The default is Standard.

Font Style: Ontions include Default and Styles 0 to 7 The 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 letters. 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 captions. The default is Black

Window Color: Options include Default, White, Black, Red, Green, Blue, Yellow, Magenta, Cyan. 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. ions include Default, Transparent, Translucent, Solid and Flashing. Window Opacity: This refers caption to window background, not character background, Options include Default, Transparent, Translucent, Solid, - 9 - Flashing. Default is Transparent

Edge Type: Options include No Edge, Raised, Depressed, Uniform, Drop

Shadow. Default is No Edge.

Edge Color: Options include Default, White, Black, Red, Green, Blue, Yellow, Magenta, Cyan. Default is White.

Return to Default: This option sets Size, Font Style, Foreground Color,

Background Color, Foreground Opacity and Background Opacity to its default.

Digital Caption Options are available only when you can select Default and Service1 ~ Service6 in Caption Mode.

The Foreground and Background cannot be set to the same color. Boot Logo Enable or disable the display of the Samsung logo when you turn on the TV.

Eco Solution ■ Energy Saving (Off / Low / Medium / High): Lets you adjust the

brightness of the TV to reduce power consum ■ No Signal Power Off (Off / 15 min. / 30 min. / 60 min.): Sets how quickly the TV switches to standby mode, if no picture is being received. Disabled when an attached PC is in power saving mode.

■ Auto Power Off (Off / On): When Auto Power Off is set to On, the TV will automatically turn off when no user operation is detected for 4 hours.

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 you define, the screen saver is activated to prevent the formation of ghost images on the screen.

Application Menu Enjoy photos, music, and/or movie files saved on a USB Mass Storage Class

Connecting a USB Device

1. Turn on your TV.

The TV will not turn on.

Others

The remote control does not work.

(MSC) device.

2. Connect a USB device containing photo, music, and/or movie files to the USB jack on the back of the TV. A pop up window appears. 3. Press the MEDIA.P button on your remote. The Media Play menu appears.

Using the Media Play Menu

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

I. Press the MENU button. Then, press the ▲ or ▼ button to select Applications on the left, and then press the ENTER button. 2. Press the ▲ or ▼ button to select Media Play (USB), and then press the

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

Media Play might not work properly with unlicensed multimedia files.

Read the list below before using Media Play (USB) • The file system supports FAT16, FAT32, and NTFS. • Certain types of USB Digital camera and audio devices may not be

compatible with this TV. Media Play only supports USB Mass Storage Class (MSC) devices MSC is a Mass Storage Class Bulk-Only Transport device. Examples of MSC are Thumb drives and Flash Card Readers Devices should be connected directly to the TV's USB port. USB HDD is not supported.

Before connecting your device to the TV, please back up your prevent files to prevent file damage or loss of data. SAMSUNG is not responsible for any data file damage or data loss.

• A USB device that requires high power (more than 0.5A) may not be supported • Do not disconnect the USB device while it is loading.

• The higher the resolution of the image, the longer it takes to display on the screen. • The maximum supported JPEG resolution is 15360 x 8640 pixels.

• If a file is corrupted or the TV does not support the file type, the "Not Supported File Format" message appears. • The TV cannot play MP3 files with DRM that have been downloaded from a for-pay site. Digital Rights Management (DRM) is a technology that supports the creation, distribution, and management of digital content in an integrated and comprehensive way, including protecting the rights and interests of content providers, preventing

illegal copying of contents, and managing billing and settlements. • PTP (Pier to Pier) devices are not supported.

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

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

Time, the Screen saver will run.

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

released automatically when your connect them to the TV.

If you use a USB extension cable, the TV may not recognize the USB device or may not be able to read the files on the device. If a USB device connected to the TV is not recognized, the list of files on the device is corrupted, or a file in the list is not played, connect the

USB device to a PC, format the device, and check the connection If a file you deleted from the PC is still found when you run Media Play, use the "Empty the Recycle Bin" function on the PC to permanently

 Photos only supports the sequential jpeg format. The Videos option does not support the scene search and thumbnail functions.
 If the number of files and folders saved on a USB storage device is over

of a LISB storage device is 1000

then press the ENTER ← button.

Press the ◀/▶ /▲ /▼ buttons to select a video in the file list.

Press the ENTER ← button or ▶ (Play) button.

bar are not displayed. During video playback, you can search using the ◀ and ▶ buttons.

Jubatation Atpila		,330				
Advanced SubStation Alpl	na	.ass				
nternal						
Name	Container	Format				
Xsub	AVI	Picture Format				
SubStation Alpha	MKV	Text Format				
vanced SubStation Alpha	MKV	Text Format				
SubRip	MKV	Text Format				
MPEG-4 Timed text	MP4	Text Format				
orted Formats						

					10/11/1 011	
 Suppor 	ted Forma	ats				
File Extension	Container	Video Codec	Resolution	Frame rate(fps)	Bit rate (Mbps)	Audio Codeo
		H.263	1920x1080			AAC/AC3
*.3qp		H.264 BP/MP/H	P 1920x1080	1		
*.3gpp	3gpp	MOTION JPEG	640x480	1		ADPCM/DD+ HE-AAC/LPCI
*.mov	mp4	MPEG-4 SP/ASF	9 1920x1080	1		MP3/MPEG
*.mp4		MPEG1	1920x1080	1	60	Vorbis
		MPEG2	1920x1080	1		VOIDIS
	asf	H.264 BP/MP/H	P 1920x1080	1		
		MOTION JPEG	640x480	1		
*.asdf		MPEG-4 SP/ASF	9 1920x1080	MAX 30		MP3
*.wmv		MPEG2	1920x1080			MPEG
-,willy		VC1	1920x1080			WMA
		WINDOW MEDIA VIDEO V9	1920x1080			
		H.263	1920x1080	MAX 30		
		H.264 BP/MP/HI	P 1920x1080			AAC
		MOTION JPEG	640x480			AC3
# mid	avi	MPEG-4 SP/ASF	1920x1080			ADPCM HE-AAC
*.avi *.mkv	mky	MPEG1	1920x1080			LPCM
	IIIKV	MPEG2	1920x1080			MP3
	1	VC1	1920x1080			MPEG
		WINDOW MEDIA VIDEO V9	1920×1080			WMA

Troublesh<u>ooting</u>

If the TV seems to have a problem, first review this list of possible problems and solution. If none of these troubleshooting tips apply, visit samsung.com, then click on Support, or call Samsung customer service at 1-800-SAMSUNG.

Problem	Possible Solution					
Flickering and Dimming	If your Samsung Television is flickering or dimming sporadically, you may need to disable some of its energy efficiency features such as the Energy Saving feature. Follow the steps below with your remote to turn these features off or on.					
	Energy saving : MENU → Setup → Eco Solution → Energy Saving → Select Settings					
Component Connections / Screen Color	If you find that the color on your Samsung television's screen is not correct or black and white, first run a Self Diagnosis Test on the TV to make sure there are no device issues. • Self Diagnosis : MENU → Support → Self Diagnosis → Picture Test					
	If the test is ok, try making sure ;					
	Your connections are all consistent. For example, if you've used the AV In jack on your TV, make sure you have used the AV Out jack on your video source.					
	Try making sure you have connected to the correct jacks. For example, if you use the Component jacks, labele Pb, Pr, and Y, to connect your TV and video source, make sure you have connected the blue Pb jack on the vide source to the blue Pb jack on the TV, the red Pr jack on the source to the red Pr jack on the TV, etc.					
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 to "Picture" in the Menu, and then try adjusting these options.					
Unwanted Powering off	If your Samsung TV appears to turn off by itself, there may be an issue with either your Timer settings or your Eco friendly No Signal Power Off feature.					
	First make sure the Sleep Timer is not accidentally set. The Sleep Timer lets you fall asleep with the TV still on knowing that it will turn off after a certain period of time and not waste energy.					
	• Sleep Timer : MENU → Setup → Time → Sleep Timer					
	If the Sleep Timer is not activated, you may have engaged the No Signal Power Off or Auto Power Off feature.					
	No Signal Power Off: MENU → Setup → Eco Solution → No Signal Power					
	Auto Power Off : MENU → Setup → Eco Solution → Auto Power Off					
Trouble Powering On	Before you turn the TV on, find the red light on the right or left bottom of your TV. Press the power on button on					
Trouble rowering on	the TV or remote and the light should blink about 5 times before the TV turns on.					
	If you find that you are having trouble powering on your Samsung television, there are a number of things to che 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. 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 assembling the stand, refer to "Install the Stand" in the Start Up or Stand Installation Guide.					
Cannot find a channel	Re-run Plug & Play or run Auto Program. (go to MENU - Channel - Auto Program)					
Poor Picture	First, perform the Picture Test and to see if your TV is displaying the test image properly.					
	Go to MENU - Support - Self Diagnosis - Picture Test If the test image is properly displayed, the poor picture may be caused by the source or signal.					
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.					
	Air/Cable Antenna connection: Try HD channels after running Auto Program. Many HD channels broadcast up scaled SD (Standard Definition) content. The picture quality of up scaled SD content is low.					
	Adjust the Cable/Set top box video output resolution to 1080i or 720p.					
The picture is distorted has macroblock error, small block, dots, pixelization.	Compression of video contents may cause picture distortion, especially on fast moving pictures such as those sports and action movies.					
	A weak signal can cause picture distortion. This is not a TV problem.					
The color is wrong or missing.	 Mobile phones used close to the TV (within 3.3ft) may cause noise in the picture on analog and digital channel If you're using a component connection, make sure the component cables are connected to the correct jacks. 					
There is peer seler or british-	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 the Energy Saving option in the TV menu. (go to MENU - Setup - Eco Solution - Energy Saving) Try resetting the picture to the default picture settings. (go to MENU - Picture - Picture Reset)					

s a dotted line on the edge of _____ a If the nicture size is set to Screen Fit shange it to 14:0

the screen.	The picture size is set to Screen Fit, change it to 16-9. Change the cable/satellite box resolution.
The picture is black and white.	If you are using an AV composite input, connect the video cable (yellow) to the Green jack of Component Input 1 on the TV.
When changing channels, the picture freezes or is distorted or delayed.	 If the TV is connected to a cable box, reset the cable box. (Disconnect and then reconnect the box's AC cord, and then wait until the cable box reboots. It may take up to 20 minutes.) Set the output resolution of the cable box to 1080i or 720p.

Perform the **Sound Test** to confirm that your TV audio is properly operating. Sound Problems (go to MENU - Support - Self Diagnosis - Sound Test) If the audio is OK, the sound problem may be caused by the source or signal. There is no sound or the sound is too • Check the volume of the device (Cable/Sat Box, DVD, Blu-ray, etc.) connected to your TV. The picture is good, but there is no If you are using an external device, check the device's audio output option Ex, you may need to change your cable box's audio option to HDMI if the box is connected to your TV using an HDMI cable

 Reboot the connected device by reconnecting the device's power cable. The speakers are making an Check the cable connections. Make sure a video cable is not connected to an audio input • For Antenna or Cable connections, check the signal information. A weak signal may cause sound distortion • Perform the Sound Test as explained above. No Picture, No Video

 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 securely into 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

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

 Check the cable connections (Remove and reconnect all cables connected to the TV and external devices) There is no picture/video. input. For example, if an external device's output is HDMI, it should be connected to an HDMI input on the TV Make sure your connected devices are powered on. • Be sure to select the correct input source by pressing the SOURCE button on the remote control

Reboot the connected device by unplugging and then reconnecting the device's power cable. RF (Cable/Antenna) Connection The TV is not receiving all channels. Make sure the coaxial cable is connected securely.

 Run Auto Program to add available channels to the channel list. Go to MENU - Channel - Auto Program then select Auto and make sure the correct Cable TV signal type is set in e 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 Service1 to CC

Some channels may not have caption data The picture is distorted: macroblock, · Compression of video contents may cause picture distortion, especially on fast moving pictures such as those in error, small block, dots, pixelization. sports and action movies. A weak signal can cause picture distortion. This is not a TV problen

resolution settings in this manual.

Purple/green rolling horizontal bars • Remove the left and right audio connections from the set-top-box. If the buzzing stops, this indicates that the and buzzing noise from the TV speakers with Component cable connection. set-top-box has a grounding issue. Replace the Component video cables with an HDMI connection The picture will not display in full • HD channels will have black bars on either side of the screen when displaying up scaled SD (4:3) contents • Black bars on the top and bottom appear when movies that have aspect ratios different from your TV play on · Adjust the picture size option on your external device or change the TV to full screen

• 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

• Program the Cable/Set top box remote control to operate the TV. Refer to the Cable/Set top box user manual for does not turn the TV on or off, or adjust the SAMSUNG TV code A "Mode Not Supported" message • Check the supported resolution of the TV and adjust the external device's output resolution accordingly. Refer to

• Replace the remote control's batteries. Make sure you insert them with the polarity (+/-) correct.

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

Other Restrictions

OCELP and AMR NR/WR are not supported

press the ENTER ← button.

Dolby Digital Plus is supported for up to 5.1 channels. The DTS LBR codec is only available for MKV / MP4 /TS containers

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

• Codecs may not function properly if there is a problem with the content. · Video content will not play or will not play correctly if there is an error in the

content or container. Sound or video may not work if they have bit rates/frame rates above the V's compatibility ratings. If the Index Table contains an error the Seek (Jump) function will not work

 When the TV is playing video over a network connection, the video may not play smoothly because of data transmission speeds. Some USB/digital camera devices may not be compatible with the TV

 When the TV is playing a video at a bit rate of 10 Mbps or higher, the menu screens may be displayed slowly. Video Decoder

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

2 Press the **◄/▶/▲/▼** buttons to select the desired Music in the file list

During music playback, you can search using the ◀ and ▶ button.

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

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

・While a photo list is displayed, press the 🕨 (Play) / ENTER 🔁

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

During the slide show, files are displayed in order.
 During the slide show, you can adjust the slide show speed

 JPEG
 Base-line
 15360 x 8640

 Progressive
 1024 x 768

1. On the File List screen, highlight a file, and then press the Yellow button on your remote

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

A
 ✓ mark appears to the left of the selected files.

Deselect All, and then the ENTER ← button.

To cancel a selection, press the Yellow button again

You can move to other files using ◀ or ▶ button.

Media Play can play Music files automatically during a Slide Show if

You cannot change the Mode in Background Music until the Background Music file has finished loading.

Media Play only displays files with an MP3 or 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 the TV plays MP3 files, adjust the

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

Press the **◄/▶/▲/▼** buttons to select a photo in the file list.

button on the remote control to start a slide show.

Press the ENTER ☐ button or ▶ (Play) button.

using (🔫) (REW) or (📂) (FF) buttor

CMYK_YCCK Color space_IPEG are not supported.

■ Playing selected video/music/photo files

Repeat Step 1 to select multiple files.

Background Music is set to On.

Supported Photo Formats

Other Restrictions

Playing Multiple Files

Image

iupports up to H.264, Level 4.1 H.264 FMO / ASO / RS, VC1 / AP L4 are not supported. GMC 2 or above is not supported. approximately 4000, the files and folders may not appear and some folders may not open.

• The maximum displayed number of files, including sub folders, one folder Audio Decoder

Music

Photos

• The media may not play smoothly if you use a USB device rated lower than USB 2.0. Videos

In the Media Play menu, press the ◀ or▶ button to select Videos, and

The file name is displayed on the top of the screen with the playing time.
If video time information is unknown, playing time and the progress

In this mode, you can play movie clips contained in a game, but you cannot play the game itself. · Supported Subtitle Formats

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
- Internal	

I-IICIO DVD	.500 00 000			
SubStation Alpha	.ssa			
Advanced SubStation Alpha			.ass	
Internal				
Name	(Container	Format	
Xsub		AVI	Picture Forma	
SubStation Alpha		MKV	Text Format	
Advanced SubStation Alpha		MKV	Text Format	
SubRip		MKV	Text Format	
MPEG-4 Timed text		MP4	Text Format	

	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			
Su	ppor	ted Forma	nts						
Fi xte	le nsion	Container	Video Codeo	:	Resolution		me (fps)	Bit rate (Mbps)	Audio Codec
			H.263		1920x1080				
*.3	*.3gp H.264 BP/MP/		HP	1920x1080	1			AAC/AC3	
*.30		3gpp	MOTION JPE	G	640x480	1			ADPCM/DD+
*.n	nov	mp4	MPEG-4 SP/A	SP	1920x1080	1			HE-AAC/LPCM MP3/MPEG
*.m	1p4		MPFG1		1920x1080	1			MP3/MPEG

MPEG-4 Timed text			MP4		lext Forn	ıat
	ted Forma	ats				
File Extension	Container	Video Codec	Resolution	Frame rate(fps)	Bit rate (Mbps)	Audio Coo
		H.263	1920x1080			AAC/AC
*.3gp		H.264 BP/MP/HI	P 1920x1080			ADPCM/D
*.3gpp	3gpp	MOTION JPEG	640x480			HE-AAC/LE
*.mov	mp4	MPEG-4 SP/ASF				MP3/MPI
*.mp4		MPEG1	1920x1080			Vorbis
		MPEG2	1920x1080			VOIDIS
		H.264 BP/MP/HI	P 1920x1080		60	
	asf	MOTION JPEG	640x480	7		
*.asdf		MPEG-4 SP/ASF	1920x1080	1		MP3
*.wmv		MPEG2	1920x1080	MAX 30		MPEG WMA
".WITIV		VC1	1920x1080			
		WINDOW MEDIA VIDEO V9	1920x1080			
		H.263	1920x1080			
		H.264 BP/MP/HF	1920x1080			AAC
	avi mkv	MOTION JPEG	640x480			AC3
		MPEG-4 SP/ASP	1920x1080			ADPCM
*.avi *.mkv		MPEG1	1920x1080			HE-AAG LPCM
-,mkv		MPEG2	1920x1080	1	1	MP3
		VC1	1920x1080	1		MPEG
		WINDOW MEDIA VIDEO V9	1920x1080			WMA
*.dat		MPEG-4 SP/ASF	1920x1080			AAC/AC
*.mpeg		MPEG1	1920x1080	1	1	DD+/HE-A
*.mpg	ps	MPEG2	1920x1080	1		LPCM/M
*.vob		VC1	1920x1080	1	1	MPEG

Caption on the TV menu is greyed out. • You cannot select Caption in the TV menu when watching content from a device connected via HDMI or Caption must be activated on the external device There is a plastic smell from the TV. • This smell is normal and will dissipate in a few days. TV Signal Strength is unavailable in the | • This function is only available for digital channels received through an Antenna / RF/Coax connection 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 5 minutes. Please change from Your settings are lost after 5 minutes Store Demo mode to Home Use mode using the Plug & Play procedure. Press the SOURCE button to select TV mode, go to MENU → Setup → Plug & Play → ENTER ☑. ou have intermittent loss of audio 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 You see small particles when you look This is part of the product's design and is not a defect. losely at the edge of the frame of

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

You can watch detailed troubleshooting videos at www.samsung.com/spsn. Some functions and pictures shown in this manual are available on specific models only.

Nou can keep your TV in optimum condition by upgrading it with the latest firmware from the Samsung web site (samsung.com → Support → Downloads). To upgrade, download the firmware to your computer, copy the firmware file to a USB memory stick, insert the USB memory stick into the TV's USB slot, and select Support > Software Upgrade, download the firmware file to a USB memory stick, insert the USB memory stick into the TV's USB slot, and select Support > Software Upgrade in the TV's menu.

Storage and Maintenance

POP (TV's internal banner ad) appears

🦠 If a sticker was attached to the TV screen, some debris can remain after you remove the sticker. Please clean it before watching the TV.

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



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

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

registered trademarks of HDMI Licensing LLC in the United States and other countries.

The terms HDMI and HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or

Open Source License Notice

Open Source used in this product can be found on the following webpage. (http://opensource.samsung.com) Open Source License Notice is written only English

Software Upgrade

Use Mode

Use Mode to Store Demo.

HD Connection Guide

Contact Samsung

For all other uses, select Home Use.

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

With the folders on your USB device displayed, use the ◀/▶/▲/▼ buttons to

Operation

file name as the video.

has more than one language.

You can start or stop a Slide Show.

■ Information: Select to view information about the connected USB

• A (Zoom): Pauses playback and divides the picture into 9 parts. Select a

When Sports Mode is On, the picture and sound modes are set to

If you turn the TV off while Sports Mode is on, Sports Mode is turned

■ Picture Test: Use to check for picture problems. If the problem appears in

e test picture, select Yes and follow the directions on the screen

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

If the problem occurs during the test, select Yes and follow the directions

■ Signal Strength: (Digital channels only) An HD channel's reception quality

is either perfect or the channels are unavailable. Adjust your antenna to

■ 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

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

Videos Music Photos

 \checkmark

ENTER ← button.

highlight a folder.

Subtitle Settings

Audio Format

Audio Language

Stop Slide Show

Start Slide Show

Information

Settings

device.

■ Playing a video/music/photo folde

Media Play - Additional Functions

Videos/Music/Photos Play Option menu

☐ Using Sports Mode TOOLS ☐

Stadium automatically

Self Diagnosis

on the screen.

ncrease signal strength.

When playing a file, press the TOOLS buttor

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

With Store Demo, some functions are disabled, and the TV automatically resets itself after a preset amount of time.

Refer to this information when connecting external devices to the TV.

/iew this information when your TV does not work properly or when you

want to upgrade the software. You can find information regarding our cal

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

nstructions provided with the wall mount items. Contact a technician

for assistance when installing the wall mount bracket. Samsung Electronics is not responsible for any damage to the product or injury

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

For detailed information on installing the wall mount, see the

enters and how to download products and software

Installing the Wall Mount Kit

Wall Mount Kit Specifications (VESA)

esult in severe personal injury.

screw specifications.

NOTE

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

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

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

When purchasing our wall mount kit, a detailed installation manual and all parts necessary for assembly are provided.

• Do not use screws that do not comply with the VESA standard

Do not use screws that are longer than the standard dimension or do not comply with the VESA standard screw specifications.

• For wall mounts that do not comply with the VESA standard

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

Do not fasten the screws too firmly. This may damage the

Samsung is not liable for product damage or personal injury when a non-VESA or non-specified wall mount is used or the

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

Always have two people mount the TV on a wall.

consumer fails to follow the product installation instructions

product or cause the product to fall, leading to personal injury. Samsung is not liable for these kinds of accidents.

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

ou can turn the TV into a display model for retail environments by setting

Do not install your Wall Mount Kit while your TV is turned on. It may result in personal injury due to electric shock.

specs (A * B) in

Securing the TV to the Wall



C (mm)

To prevent the TV from falling

Since the necessary clamps, screws, and string are not supplied, please purchase these additionally. 1. Drive the screws into the clamps and firmly fasten them onto the

for safety purposes, as follows.

ll. Make sure the screws are firmly fixed into the wall 2. Remove the screws from the back center of the TV, put the screws into the clamps, and then fasten the screws onto the TV again.

Connect the clamps fixed onto the TV and the clamps fixed onto the wall with a strong cable and then tie the string tightly.

Verify all connections are properly secured. Periodically check the connections for any sign of fatigue or failure. If you have any doubt about the security of your connections, contact a professiona

Install the TV close to the wall so that it does not fall. It is safe to connect the string so that the clamps fixed on the wall are equal to or lower than the clamps fixed on the TV. Untie the

Warning

Kensington Lock

38.1 x 22.5 x 3.2 inches

(967.4 x 571.8 x 79.9 mm)

38.1 x 23.3 x 6.3 inches

(967.4 x 590.6 x 159.5 mm)

16.1 lbs (7.3 kg)

16.3 lbs (7.4 kg)

(Unit: inches)

2016-09-13 🗆 🗆 9:11:14

string before moving the TV.

Never place a television set in an unstable location. The television set may fall, causing serious personal injury or death. Many injuries, particularly to hildren, can be avoided by taking simple precautions such as • Using cabinets or stands recommended by the manufacturer of the

 Only using furniture that can safely support the television set. • Standard dimensions for wall mount kits are shown in the table

• Ensuring the television set is not overhanging the edge of the supporting furniture. Not placing the television set on tall furniture (for example, cupboards

or bookcases) without anchoring both the furniture and the television set to a suitable support.

Not placing the television set on cloth or other materials that may be

located between the television set and supporting furniture.

• Educating children about the dangers of climbing on furniture to reach the television set or its controls

If you are retaining and relocating the television set that you are replacing with this new set, you should apply the same precautions to the old se

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 "鼠" icon on the rear of the TV. The Kensington slot is beside the "鼠" icon. The position and color may differ depending on the model.

Specifications Environmental Considerations 50°F to 104°F (10°C to 40°C) Operating Temperature 10% to 80%, non-condensin -4°F to 113°F (-20°C to 45°C) Storage Temperature 5% to 95%, non-condensing Storage Humidity Model Name UN43N5000 Display Resolution 1920 x 1080 Screen Size 43" Class (42.5" measured diagonally (Diagonal) Sound 10W + 10W Output Dimensions (W x H x D)

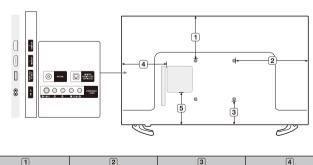
Without Stand With Stand

Design and specifications are subject to change without prior notice. The actual appearance of the TV may differ from the images in this manual, depending on the model.

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

■ JACK PANEL DETAIL / REAR VIEW

With stand



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

© 2018 Samsung Electronics America, Inc