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

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

See the warranty card for more information on warranty

Wide screen format LED Displays (16:9, the aspect ratio of the screen width to height) are primarily designed to view wide screen format full-motion video. The images displayed on them should primarily be in the wide screen 16:9 ratio format, or expanded to fill the screen if your model offers this feature and the images are constantly moving. Displaying stationary graphics and images on screen, such as the dark sidebars 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, iewing other stationary images and text such as stock market reports, video game displays, station logos, web sites or computer graphics and patterns, should be limited as described above for all televisions. Displaying stationary images that exceed the above guidelines can cause uneven aging of LED Displays that leave subtle, but permanent burned-in ghost images in the LED picture. To avoid this, vary the programming and images, and primarily display full screen moving images, not stationary patterns or dark bars. On LED models that offer picture sizing features, use these ontrols to view different formats as a full screen picture. Be careful in the selection and duration of television formats you use for viewing. Uneven LED aging as a result of format selection and use, as well as burned-in images, are not covered by your Samsung limited warranty.

• SAMSUNG ELECTRONICS NORTH AMERICAN LIMITED WARRANTY STATEMENT

Subject to the requirements, conditions, exclusions and limitations of the original Limited Warranty supplied with Samsung Electronics (SAMSUNG) products, and the requirements, conditions, exclusions and limitations contained herein, SAMSUNG will additionally provide Warranty Repair Service in the United States on SAMSUNG products purchased in Canada, and in Canada on SAMSUNG products purchased in the United States, for the warranty period originally specified, and to the Original Purchaser only,

The above described warranty repairs must be performed by a SAMSUNG Authorized Service Center. Along with this Statement the Original Limited Warranty Statement and a dated Bill of Sale as Proof of Purchase must be presented to the Service Center



the purchaser. Conditions covered are limited only to manufacturing defects in material or workmanship, and only those encountered in normal use of the product, Excluded, but not limited to, are any originally specified provisions for, in-home or on-site services, minimum or maximum repair times, exchanges or replacements. accessories, options, upgrades, or consumables. For the location of a SAMSUNG Authorized Service Center, please

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

### Still image warning

Avoid displaying still images (such as ipeg picture files) or still image elements (such as TV channel logos, TV shows or movies in panorama or 4:3 format, stock or news scroll bars, etc.) on the screen. The constant display of still pictures can cause ghosting or image burn-in (image retention) on the LED screen, which will affect image quality. To reduce the risk of this effect, please follow the nmendations below:

- Avoid displaying the same TV channel for long periods. Always try to display any image in full screen mode. Use the TV's
- Picture Options menu to select the optimal screen size. · Reduce brightness and contrast values to the minimum required to achieve the desired picture quality. Values that exceed the minimum may speed up the burn-in process.
- Frequently use all TV features designed to reduce image retention and screen burn-in. Refer to proper user manual section for .

# Contact SAMSUNG WORLD WIDE

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

Country	CANADA	U.S.A
Address	Samsung Electronics Canada Inc. 2050 Derry Road West, Mississauga, Ontario L5N 0B9 Canada	Samsung Electronics America, Inc. 85 Challenger Road Ridgefield Park, NJ 0766
Customer Care Center 🕿	1-800-SAMSUNG (726-786	34)
Web Site	www.samsung.com/ca/ support (English) www.samsung.com/ca_fr/ support (French)	www.samsung.com/us/ support

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### The On Screen Menus

Your TV has two kinds of menus, the Main menu and the various Tools menus. The 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.

The Main menu has seven primary categories

 Picture Input Sound Application

 Channel Support Setup

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

The menu options that appear in the Main menu depend on the Source you have selected. For example, if you have selected the HDMI 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 (TOOLS) next to an option name indicates the option is also available in one of the Tools

# Picture Menu

### Mode TOOLS

Select your preferred picture mode

- 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 a normal. Movie: Darkens the screen, making it less glary. Suitable for
- watching movies in a darkened room ■ Entertain: Sharpens the picture. Suitable for games.
- Only available when the TV is connected to a PC.

# Backlight / Contrast / Brightness / Sharpness / HDMI Black Level (Normal / Low): For HDMI signals, select Color / Tint (G/R)

- Backlight: Adjusts the brightness of the screen by adjusting the brightness of the individual pixels. Contrast: Increases or decreases the contrast between dark and
- light areas of the picture. ■ 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 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 amount 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

□ Other Channel Menu Functions

Channels)

Fine Tune

manually.

Analog channels only

you press the ACHV button.

in the channel banner.

Setup Menu

Language

Set the menu language

☐ Setting the Time

instructions, see your Quick Start Guide.

Channel Mode (Added Channels/Favorite

ets you select the channel list displayed when you press the

^CH (Channel) button on your remote. For example, if you

select Favorite Channels, you will only see Favorite channels when

If the reception is clear, you do not have to fine tune the channel,

operation. If the signal is weak or distorted, fine tune the channel

Fine tuned channels that have been saved are marked with

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

To reset fine-tuning, select the channel, select Fine Tune, and

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

Choose between English, Español, and Français.

The time you set will appear when you press the INFO

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

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

as this is done automatically during the search and store

Select the channel, and then select Fine Tune.

then select Reset on the Fine Tune screen.

When the TV is connected to a PC, you can only mak anges to the Color Tone, Size and HDMI Black Level

- Color Tone (Cool / Standard / Warm): Cool makes the picture bluer (cooler). Warm make the picture redder (warmer) 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. However, we highly recommend you use the TVs 16:9 mode most of the time The menu is deactivated, when the H. 264 (1080p) DTV is

being played. 16:9: Sets the picture to the 16:9 wide screen format. Zoom1: Provides moderate magnification of the picture. Sides top, and bottom are cut off.

Zoom2: Provides larger magnification of the picture. Sides, top, d bottom are cut off.

Wide Fit: Enlarges the aspect ratio of the picture so the picture 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. Traces of borders displayed on the left, right and center of the screen may cause image retention (screen burn) which 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.

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

4:3, Screen Fit

Digital Clean View (Off / Low / Medium / High / Auto) : If the broadcast signal received 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.

the black level to adjust the screen depth. Low make blacks look Available only in **HDMI** mode (RGB signals).

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

Available in ATV, DTV (interlace), AV, COMPONENT (480i / 1080i) and HDMI (480i / 1080i). ■ Motion Lighting (Off / On): Reduce power consumption by

brightness control adapted motion. Available in Standard mode only

### Picture Reset

(720p, 1080i, 1080p)

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

## Sound Menu

# Mode TOOLS 足

- Standard: Selects the normal sound mode
- Music: Emphasizes music over voices.
- Clear Voice: Emphasizes voices over other sounds.

# Movie: Provides the best sound for movies.

- Equalizer
- Available in Standard sound mode only.
- Balance L/R: Adjusts the balance between the right and left ■ 100Hz / 300Hz / 1KHz / 3KHz / 10KHz (Bandwidth Adjustment): Adjusts the loudness of specific bandwidth
- Reset: Resets the equalizer to its default settings.

# DTS TruSurround

Available in Standard sound mode only.

DTS TruSurround is a patented DTS technology that solves the problem of playing 5.1 multichannel content over two speakers. TruSurround delivers a compelling, virtual surround sound experience through any two-speaker playback system including internal television speakers. It is fully compatible with all multichannel formats.

### Preferred Language

Digital channels only.

Digital-TV broadcasts can transmit many audio tracks multaneously (for example, simultaneous translations of a prograr 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. 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.

### Auto Volume

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

# SPDIF Output

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

Madio Format (PCM/Dolby Digital): You can select the Digital To start Auto Program, follow these steps: Audio output (SPDIF) format. The available Digital Audio output format may differ depending on the input source. By connecting the TV to a receiver or home theater with

Dolby Digital and 5.1ch speakers and selecting Dolby Digital, you can maximize your interactive 3D sound

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).

A sound echo may occur due to a difference in decoding speed between the main speaker and the audio receiver. In this case, set the TV to External Speaker.

- When Speaker Select is set to External Speaker, the volume and MUTE buttons will not operate and the sound settings will be limited
- When Speaker Select is set to External Speaker.
- \* TV Speaker: Off, External Speaker: Or When Speaker Select is set to TV Speaker.
- TV Speaker: On, External Speaker: On If there is no video signal, both speakers will be mute.

### Visual Impaired

Digital channels only Adds verbal description to the main audio to help the visually

## 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 described below let you re-run the channel memorization function without having to re-run the Plug & Play procedure

### Antenna (Air / Cable)

Before your television can memorize the available channels, you nust 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

Selecting the signal source using the Antenna function also determines the signal source the TV is tuned to. For example, f you receive your TV signal over the air, and you select Cable, you will see only snow. You must select Air to see a

### Auto Program

The Auto Program function memorizes all channels that are available over the air or through your cable system and adds them to the Channel List.

- 1. Push MENU  $\coprod$   $\rightarrow$  Channel  $\rightarrow$  Auto Program  $\rightarrow$  ENTER  $\blacksquare$
- on your remote. The Antenna Source screen appears 2. On the Antenna Source screen, select the source of your TV

# If your TV is connected to an antenna choose Air, and then press ENTER ]. The TV will automatically start memorizing channels. press ENTER . Go to Step 3.

If you choose Auto, and then press ENTER # the TV will

automatically select the correct Antenna source. Go to Step 3.

3 On the Cable Type screen, use the ✓/►/▲/▼ buttons to select.

or IRC. Most systems are STD (Standard). When done, select

This function filters out scrambled channels after Auto Program is

Press the ENTER button to stop the Clear Scrambled

See your list of Added channels, Favorite channels, or channels

the ▲ / ▼ buttons, and then pressing the ENTER → button.

Zoom ■ Select Tools

icon using the ▲/▼ buttons to view each list.

Favorite: Shows all favorite channels.

those you deleted from the Added Channels list.

Channel List Screens icons are listed on the left side. Select an

Maria All Channels: Shows all currently available channels including

Added Channels: Shows all Added Channels. These are the

channels that appear when you press the CH LIST button.

you've scheduled for viewing. Add or delete Favorite channels, add

or delete channels from the Added Channels list, schedule channels

in the All Channels, Added Channels, or Favorite screen, pressing

rams for viewing. Watch a channel by selecting the channel

Clear Scrambled Channel

Managing Channels

▼TV#9

**Channel List** 

Channel buttons on your remote.

This function is only available in Cable mode.

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

Remote control buttons active on the Channel List screen If your TV is connected to a cable outlet, choose Cable, and then

button to select the channel. A  $\checkmark$  mark appears. Repeat to select additional channels. Then, open the Tools menu and apply a

scheduled using Timer Viewing.

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

function to the channels you selected. • 🖅 (Tools): Displays the Channel List Tools menu. (The Tools

### Display Icons Used in the Channel List Screens the type of digital and analog cable systems you have: STD, HRC,

	are STD (Standard). When done, select	Icons	Meaning
channels.	ENTER . The TV will start memorizing	<b>✓</b>	A selected channel.
	tion can take up to 45 minutes, depending	•	A Favorite channel.
on your cable syste	em. els are added to the <b>Added Channels</b>	<u>©</u>	A reserved program.
list. These are the	channels you will see when you use the	ď	A program currently being broadcast.
Channel buttons o	a vour remote.		

# ☐ The Channel List Tools Menu TOOLSF

The Channel List Tools menu contains most of the functions you can use on the All Channel. Added Channels, and Favorite List screens. To view, select a list screen, select a channel, and then press the TOOLS button.

Add / Delete: Delete a channel from or add a channel to the Added Channels list.

To delete channels from 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

3. Select **Delete** in the Tools menu, and then press the ENTER 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

3. Select Add in the Tools menu, and then press the ENTER -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. A gray-colored channel indicates the channel has been

deleted from the Added Channels list. The Add menu option only appears for deleted channels.

MAdd to Favorite/Delete from Favorite: Lets you add channels to and delete channels from your Favorites list To add channels to the Favorites 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

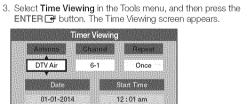
2. Press the TOOLS button on your remote. The Tools menu

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

# To delete channels from the **Favorites** list, follow these steps:

- 1. Select one or more channels in the Favorite Channels list using the ▲/▼ buttons and the Yellow Select button on your
- press the ENTER button.

- To schedule a channel, follow these steps:
- 2. Press the TOOLS button on your remote. The Tools menu



4. Use the **◄/▶** buttons to move from entry field to entry field and the ▲/▼ buttons to change the entries. Where numbers

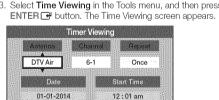
- number keypad on your remote. If you select Everyday or Every Week, the date you select in the Date field becomes the start date for your scheduled viewing. For **Everyday**, the TV will turn on every day, at the time you selected, starting from that date. For **Everyweek**, the TV will turn on every week, on the same day of the week as the start date you selected, at the time you selected, from that day on. If
- Only Added Channels can be scheduled.
- Scheduled programs and channels are displayed in the Programmed List.
- you set **Timer Viewing** for that program directly. ■ Channel Name Edit: Analog channels only. Lets you assign a
- Select All: Select all the channels in the displayed channel list. ■ Deselect All: Deselect all the selected displayed channels.
- channels are selected ■ Auto Program: See Auto Program under Memorizing Channels.

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

3. Select **Delete from Favorite** in the Tools menu, and then ■ Timer Viewing: You can schedule a channel to be displayed

## channel. You must set the current time first in the Time > Clock

- function to use Time Viewing. Select a channel in the Added Channels list using the ▲/▼
- buttons and the Yellow Select button on your remote



◆ Move ♦ Adjust ☐ Enter 🤊 Return

- you select Once, the TV will turn on once, on the date
- 5. Press the ENTER button on your remote when done.
- 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, Select All / Deselect All: You can select or deselect all channels
- name of up to five characters to an analog channel. For example, Hist, Food, Golf, etc. This makes it easier to find and select a
- You can only select Deselect All when one or more

## Programmed List (on the Channel List Screen)

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

### functions on the Programmed List screen Tools menu. Programmed List Screen Tools Menu TOOLS 7

■ Change Info: Change the scheduling information for a show or channel you have scheduled. automatically at a set time, even when you are watching another To change the information, follow these steps: 1. Select the Programmed List icon on the left side of the

Channel List screen, and then press the ENTER button.

- 2. On the Programmed List screen, select the show or channel entry you want to change, and then press the TOOLS button. The Tools menu appears.
- 3. Select Change Info. and then press the ENTER 4 button. he Time 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.

Tools menu appears.

- 5. Press the ENTER button when done. ■ Cancel Schedules: Cancel a show or channel you have
- To cancel a scheduled show or channel, follow these steps: 1. Select the Programmed List icon on the left side of the
- Channel List screen, and then press the ENTER → button. 2. On the Programmed List screen, select the show or channel entry you want to cancel, and then press the TOOLS button.
- 3. Select Cancel Schedules, and then press the ENTER (\*) button. The Cancel Schedule screen appears. 4. Select **OK**, and then press the **ENTER** d button. Information: Display the information for a show or channel you
- have scheduled. You can also change the schedule Information. . Select the **Programmed** List icon on the left side of the Channel List screen, and then press the ENTER → button. 2. 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. 3. Select Information, and then press the ENTER button. The Time Viewing Information screen appears.

4. Select Change Info and press the ENTER button to

button to close the Information screen.

change information, or select Close and press the ENTER

### 2. Press ENTER and select Auto or Manual, and then press ENTER ☐ again.

clock again.

To set the clock, follow these steps:

1. Select Setup >Time > Clock.

If you selected Auto: The TV will automatically download the correct time from a

 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

to DST automatically. Press ENTER when done. DST and Time Zone function are only available when the Clock Mode is set to Auto.

adjustment on and off manually. Select **Off** to turn off the

DST adjustment. Select Auto if you want the TV to adjust

## 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.

60, 90, 120, 150 and 180 minutes).

### Sleep Timer 100157 Automatically shuts off the TV after a preset period of time. (30,

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

Activate.

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

- 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 contents such as photo or audio files. Use the ◀/▶ buttons to move to move to the Contents field, and then press the ENTER 🖼 button. The Contents screen appears. Use the ◀/► buttons to move from field to field. Use
- TV/USB: Select TV or USB. The USB device must be connected to your TV before 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 ▲/▼ buttons to change the values in each field.

- the USB device: The maximum displayed number of files, including subfolders, 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. 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.

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

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

3. Use the ▲/▼ buttons to highlight a folder that contains music or photos, and then press the Yellow select button to select the folder. 4. Press the RETURN button. The Timer screen re-appears.

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

o highlight the day, and then pressing the ENTER 🗗 button. To unselect a day, highlight it, and then press the ENTER 🗗 When you finished making all your selections on the Timer screen. press either the ENTER or RETURN button.

Sat~Sun or Manual. If you select Manual, you can select the

days you want to activate the timer by using the ◀/▶ buttons.

# □ Other Features

Program Rating Lock The 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** ature and make any changes, you must enter a PIN (persona 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

enter the same PIN.

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. Eve 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 on the screen.

and then press the ENTER button. The options are listed below:

on their ratings. This 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

TV Parental Guidelines: You can block TV programs based

with advanced information on which films are appropriate for ■ Canadian English: You can block TV programs based on their Anglophone Canadian ratinas.

### ■ Canadian French: You can block TV programs based on their French Canadian ratings. ■ Downloadable U.S. Rating: Parental restriction information can

/ L: Adult Language / D: Sexually Suggestive Dialog.

be used while watching DTV channels.

has memorized your new PIN.

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

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 rating, all the ratings above it will also display locks. You can also Allow All or Lock All. When done, press the RETURN button on your remote. ■ Change PIN: The Change PIN screen will appear. Choose anv 4 digits for your PIN and enter them in Enter New PIN fields. Re-enter the same 4 digits in Confirm New PIN fields. When the Change PIN screen disappears, press the OK button. The TV

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)

## Game Mode (On/Off)

(On-Screen Text Dialogue)

default is Standard.

default is Style 0.

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 Mode function.

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

Precautions and limitations for game mode:

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

The Caption feature does not work in Component or HDMI mode. ■ Caption Mode: You can select the desired caption mode.

■ Caption: You can switch the caption function on or off. If

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

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

Analog Caption function operates in either analog TV channel

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

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

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. Foreground Opacity: This adjusts the opacity of text. Options

include Default, Transparent, Translucent, Solid and Flashing

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

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 you can

The Foreground and Background cannot be set to the

select Default and Service1 ~ Service6 in Caption Mode

caption background. Options include Default, Transparent,

Background Opacity: This adjusts the opacity of the

### Boot Logo

Eco Solution Energy Saving (Off / Low / Medium / High / Picture Off)

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.

Min. Backlight: When Eco Sensor is On, the minimum screen

3. Press the MEDIA.P button on your remote. The Media Play brightness can be adjusted manually

urrounding light intensity ■ No Signal Power Off (Off / 15 min. / 30 min. / 60 min.): Sets ow quickly the TV switches to standby mode, if no picture is

the formation of ghost images on the screen

## off when no user operation is received for 4 hours.

**Auto Protection Time** 

# Support Menu

hours): If the screen remains idle with a still image for a certain

■ 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 on the screen.

reception quality is either perfect or the channels are unavailable. Adjust your antenna to increase signal strength. ■ Reset: Reset all settings to the factory defaults.

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

Refer to this information when connecting external devices to the

when you want to upgrade the software. You can find information egarding our call centers and how to download products and

Enjoy photos, music and/or movie files saved on a

# ☐ Connecting a USB Device

# files to the USB jack on the back of the TV. A pop up window



Auto Protection Time (Off / 2 hours / 4 hours / 8 hours / 10 period of time you define, the screen saver is activated to prevent

> Press the ▲ or ▼ button to select Media Play (USB), and then press the ENTER → button. 3. Press the ◀ or ▶ button to select an icon (Videos, Music, Photos, Settings), and then press the ENTER ☑ button.

Need-to-Know List before using Media Play (USB) • The file system supports FAT16, FAT32 and NTFS. Certain types of USB Digital camera and audio devices may not be compatible with this TV.

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

be supported. • Do not disconnect the USB device while it is loading.

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 Managemen

Enable/disable displaying the logo while the TV starts up.

# This adjust the brightness of the TV in order to reduce pov

■ Eco Sensor (Off / On): To enhance your power savings; the picture settings will automatically adapt to the light in the room. 🖎 If you adjust the Backlight, the Eco Sensor will be set to

If Eco Sensor is On, the display brightness may change (become slightly darker in most cases) depending on the

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

Self Diagnosis ■ Picture Test: Use to check for picture problems. If the problem appears in the test picture, select Yes and follow the directions

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

The PIN input screen appears before the setup screen.

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

# Software Upgrade

**HD** Connection Guide

### **Contact Samsung** View this information when your TV does not work properly or

# Media Play

USB Mass Storage Class (MSC) device.

 Turn on your TV. 2. Connect a USB device containing photo, music, and/or movie



1. Press the MENU button. Then, press the ▲ or ▼ button to select Application on the left, and then press the ENTER 🗗

Media Play might not work properly with unlicensed

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

files to prevent them from damage or loss of data. SAMSUNG is not responsible for any data file damage or data loss. • A USB device that requires high power (more than 0.5A) may not

• 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.

(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 interest: of content providers, preventing illegal copying of contents, and managing billing and settlements.

[UH4000-ZA]BN68-05829K-01ENG.indb 1 2014-06-25 🖾 3:04:48

- PTP 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
- If the TV has no input during the time period set in Auto Protection Time, the Screensaver will run.
- The power-saving mode of some external hard disk drives ma 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

- he connectior If a file you deleted from the PC is still found when you run Media Play, use the "Empty the Recycle Bin" function on the PC to
- permanently delete the file.
- Photos only supports 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 approximately 4000, the files and folders may not appear and some folders may not open.
- 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.

The TV will not turn on.

The TV turns off automatically.

[UH4000-ZA]BN68-05829K-01ENG.indb 2



- 1. In the Media Play menu, press the ◀ or ▶ button to select Videos, and then press the ENTER 🗗 button.
- 2. Press the </▶/▲/▼ buttons to select a video in the file list
- 3. Press the ENTER → button or ► (Play) button. 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 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

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	.888

# Internal

Container	Format
AVI	Picture Format
MKV	Text Format
MKV	Text Format
MKV	Text Format
MP4	Text Format
	AVI MKV MKV MKV

# · Supported Video Formats

File Extension	Container	Video Codec	Resolution	Frame rate(fps)	Bit rate(Mbps)	Audio Codec
	DivX3,11 / DivX4 / DivX5 / DivX6	1920x1080	6~30	20Mbps		
*.mp4	MP4	H264	1920x1080	6~30	20Mbps	MP3 / ADPCM /
		VC-1	1920x1080	6~30	20Mbps	AAC
		MJPEG	640x480	6~30	10Mbps	
		DivX3,11 / DivX4 / DivX5 / DivX6	1920x1080	6~30	20Mbps	MP3/AC3
"".avi ".mkv"	"AVI MKV"	MPEG 1/2/4	1920x1080	6~30	20Mbps	/LPCM/
"JUKA.	MKV.	H264	1920x1080	6~30	20Mbps	ADPCM / DTS
		MJPEG	640×480	6~30	10Mbps	
"*.asf		DivX3.11 / DivX4 / DivX5 / DivX6	1920x1080	6~30	20Mbps	MP3 / ACS / LPCM / ADPCM / WMA / WMA Pro
*:wmv"	ASF	MPEG 1/2/4	1920x1080	6~30	20Mbps	
		H.264	1920x1080	6~30	20Mbps	
"".ts	TS	MPEG2 -TS	1920x1080	6~30	20Mbps	AC3 / AAC
'.tp	"	H. 264	1920x1080	6~30	20Mbps	DD+
"*.clat		MPEG1	1920x1080	6~30	20Mbps	AC3 /
".mpg PS ".vob"	PS	MPEG2	1920x1080	6~30	20Mbps	MPEG / LPCM /
		H. 264	1920x1080	6~30	20Mbps	AAC
1.3gp 3GPP	0000	MPEG 1/2/4	1920x1080	6~30	20Mbps	MDO
	JUNE	H.264	1920x1080	6~30	20Mbps	MP3
Silv	flash	H.264	1920x1080	6~30	20Mbps	
-, IIIV	formats	Sorenson H.263	1920x1080	6~30	20Mbps	MP3

### 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 Supported Video Formats table.
- If the Index Table erroneous, the Seek (Jump) function is not
- $\bullet$  The menu may take longer to appear if the video's bit rate exceeds 10Mbps.
- Video content can not be played if there are many contents in one file.

Supports up to H.264, Level 4.1 H.264 FMO / ASO / RS, VC1 SP / MP / AP L4 and AVCHD are not supported.



## GMC is not support.

H.263 is not supported.

Video Decoder

Audio Decoder Supports up to WMA7, 8, 9 STD, 9 PRO, 10 PRO

WMA 9 PRO and WMA 10 PRO support 5.1 channel. (LBR mode of WMA Pro is not supported WMA Lossless is not supported.

### Music



- 1. In the Media Play menu, press the ◀ or ▶ button to select Music, and then press the ENTER → button.
- 2. Press the ◀/▶/▲/▼ buttons to select the desired Music in the file list.
- 3. Press the ENTER → button or ► (Play) button.

There is no picture/video

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



 In the Media Play menu, press the 

or 

button to select Photos, then press the ENTER → button.

2. Press the </▶/▲/♥ buttons to select a photo in the file list.

- 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 a 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 files using ◀ or ▶ button. Media Play can play Music files automatically during a Slide

Show if **Background Music** is set to **On**.

Nou cannot change the Mode in Background Music until the

Background Musi	ic file has finished lo	ading.
<ul> <li>Supported Photo Fo</li> </ul>	ormats	
Image	Photo	Resolution

Base-line

15360 x 8704

1024 x 768

### Other Restrictions

CMYK, YCCK Color space JPEG are not supported

### Playing Multiple Files

Playing selected video/music/photo files

- 1. On the File List screen, highlight a file, and then press the Yellow button on your remote.
- 2. Repeat Step 1 to select multiple files.
- A 

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

### ■ Playing a video/music/photo folder

• 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 Type

- 1. With the folders on your USB device displayed, use the
- ◄/►/▲/▼ buttons to highlight a folder. 2. Press the TOOLS button, select  $\ensuremath{\text{\textbf{Play Folder}}}$  and then press the

# Media Play - Additional Functions

■ Videos/Music/Photos Play Option menus

When playing a file, press the TOOLS button.

Category	Operation	Videos	Music	Photos
Title	You can select another video file to play directly.	~		
Repeat Mode	You can play movie and music files repeatedly.	<	<b>*</b>	
Picture Size	You can adjust the picture size to your preference.	~		
Picture Mode	You can adjust the picture setting.	<		<b>✓</b>
Sound Mode	You can adjust the sound setting.	~	~	<b>√</b>
Subtitle Setting	You can play the video with Subtitles. This function only works if the subtitles have the same file name as the video.	<b>*</b>		
Audio Format	You can select the digital audio output format.	~		
Audio Language	You can change the audio language if the video has more than one language.	~		
Stop Slide Show / Start Slide Show	You can start or stop a Slide Show.			~
Slide Show Speed	You can select the slide show speed during the slide show.			<b>~</b>
Background Music	You can set and select background music when watching a Slide Show.			~
Zoom	You can zoom into images in full screen mode.			~
Rotate	You can rotate images in full screen mode.			~
Information	You can see detailed information about the played file.	~	~	~

Category Operation Videos Music Photos

## Other Information

### Installing the Wall Mount Kit

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

For detailed information about installing the wall mount, see the 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 to yourself or others if you elect to install the wall

### Wall Mount Kit Specifications (VESA)

The wall mount kit is not supplied, but sold separately. Install your wall mount on a solid wall perpendicular to the floor. 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 result in severe personal injury.

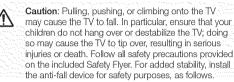
### NOTE

- Standard dimensions for wall mount kits are shown in the table
- When purchasing our wall mount kit, a detailed installation
- manual and all parts necessary for assembly are provided • Do not use screws that do not comply with the VESA standard
- screw specifications. Do not use screws that are longer than the standard dimension
- or do not comply with the VESA standard screw specifications. ews 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	Quantity
LED-TV	24	75 X 75	M4	4
В	1	Do not install you	d on. It may	result in

ersonal injury due to electric shock.

# Securing the TV to the Wall



### To prevent the TV from falling

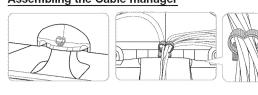
- Since the necessary brackets, screws, and string or cable are not supplied, please purchase these separately.
- 1. Insert the screws into the wall brackets and firmly fasten them to the wall. Make sure the screws are firmly fixed to the wall.
- We strongly recommend you drive the screws into a stud. 2. Using screws, insert the screws through the TV brackets, and then fasten the screws to the top VESA screw holes on the back
- Connect the brackets on the TV and the brackets on the wall with a strong string or cable, and then tie the string or cable tightly to the brackets.
- 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 professional installer.
- install the TV close to the wall so that it does not fall.
- Connect the string or cable so that the brackets on the wall are at the same height or lower than the brackets on the TV. Untie the string or cable before moving the TV.
- To purchase a TV Holder kit, contact Samsung customer

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

# Assembling the Cable manager



Display Modes (HDMI/DVI Input)

### Troubleshooting

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

Problem	Possible Solution
Flickering and Dimming	If your Samsung Television is flickering or dimming sporadically, you may need to disable some of its energy efficier features like the Eco Sensor or 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 ;
	<ul> <li>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.</li> </ul>
	<ul> <li>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 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.</li> </ul>
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 setting you should check before calling for a repair.  • Backlight, Contrast, Brightness, Sharpness, Color, Tint (G/R) 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.
	$\bullet \   Sleep \ Timer : MENU \to Setup \to Time \to Sleep \ Timer$
	If the Sleep Timer is not activated, you may have engaged the No Signal Power Off or Auto Power Off feature.
	• No Signal Power Off : MENU $\rightarrow$ Setup $\rightarrow$ Eco Solution $\rightarrow$ No Signal Power
	<ul> <li>Auto Power Off : MENU → Setup → Eco Solution → Auto Power Off</li> </ul>

### 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 the TV or remote and the light should blink about 5 times before the TV turns on. fyou find that you are having trouble powering on your Samsung television, there are a number of things to check it 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 assembling the stand, refer to "Install the Stand" in the Start Up or Stand Installation Guide. Cannot find a channe • Re-run Plug & Play or run Auto Program. (go to MENU - Channel - Auto Program) First, perform the Picture Test and to see if your TV is displaying the test image properly Poor Picture 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 • 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: macroblock . Compression of video contents may cause picture distortion, especially on fast moving pictures such as those in · 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 Adjust the Picture options in the TV menu. (go to Picture Mode / Color / Brightness / Sharpne There is poor color or brightness • Adjust the Energy Saving option in the TV menu. (go to MENU - Setup - Eco Solution - Energy Saving ) re to the default picture settings, (go to MENU - Picture - Picture Res If the picture size is set to Screen Fit, change it to 16:9. There is a dotted line on the edge of · 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 When changing channels, the picture . If connected to a cable box, please try to reset it. (Reconnect the AC cord and wait until the cable box reboots. It freezes or is distorted or delayed. . Set the output resolution of the cable box to 1080i or 720p. Sound Problems 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 be caused by the source or signal. • Check the volume of the device (Cable/Sat Box, DVD, Blu-ray, etc.) connected to your TV. There is no sound or the sound is too low at maximum volume 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. The picture is good, but there is no · 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 inappropriate noise. • 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 AC power cord is securely plugged into the wall outlet and the TV.

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

• 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

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.

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

### 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 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 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 Compression of video contents may cause picture distortion, especially on fast moving pictures such as those in error, small block, dots, pixelization • A weak signal can cause picture distortion. This is not a TV problem. Purple/green rolling horizontal bars and buzzing noise from the TV speakers with Remove the left and right audio connections from the set-top-box. If the buzzing stops, this indicates that the set-top-box has a grounding issue. Replace the Component video cables with an HDMI connection. Component cable connection. The picture will not display in full screen. • HD channels will have black bars on either side of the screen when displaying up scaled SD (4:3) contents. • Black bars on the top and bottom appear when movies that have aspect ratios different from your TV play on the · 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's batteries. Make sure you insert them with the polarity (+/-) correct Clean the transmission window located on the top of the remote control. • Try pointing the remote directly at the TV from 5~6 feet away. Program the Cable/Set top box remote control to operate the TV. Refer to the Cable/Set top box user manual for does not turn the TV on or off, or adjust the SAMSUNG TV code. Check the supported resolution of the TV and adjust the external device's output resolution accordingly. Refer to A "Mode Not Supported" message resolution settings in this manual. 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 i The Channel menu is grey out The Channel menu is only available when you select the TV source. (unavailable). If TV is in the Store Demo mode, it will reset audio and picture settings every 5 minutes. Please change from Store Demo mode to Home Use mode using the Plug & Play procedure. Press the SOURCE button to select Your settings are lost after 5 minutes or every time the TV is turned off. TV mode, go to MENU → Setup → Plug & Play → ENTER . Check the cable connections and reconnect them You have intermittent loss of audio or 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. closely at the edge of the frame of the TV.

🖏 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.

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

Watch these troubleshooting on video at www.samsung.com/spsn. Some functions and pictures shown in this manual are available on specific models only.

on the screen

🔊 You can keep your TV in optimum condition by upgrading it with the latest firmware from the Samsung web site (samsung.com insert the USB memory stick into the TV's USB slot, and then select Support > Software Upgrade in the TV's menu.

# Storage and Maintenance

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



License

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



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



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

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5,638,452, 5,771,295, 5,970,152, 5,912,976, 7,200,236, 7,492,907, 8,050,434, 7,720,240, 7,031,474,

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### **Specifications** Environmental Consideration 50°F to 104°F (10°C to 40°C) Operating Temperature 10% to 80%, non-condensing Operating Humidity Storage Temperature Storage Humidity -4°F to 113°F (-20°C to 45°C 5% to 95%, non-co UN24H4000AF Model Name Display Resolution 1366 x 768 Screen Size 24" Class (23.6" measured diagonal (Diagonal) Sound : Output Dimensions (W x H x D) 22.1 x 13.7 x 1.8 inches (561.8 x 349.1 x 47.9 (mm)) With stand 22.1 x 15.1 x 6.4 inches (561.8 x 384.2 x 163.8 (mm Weight -8.2 lbs (3.9 kg) 9.0 lbs (4.1 kg)

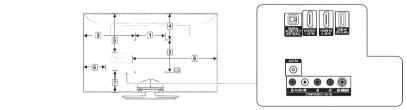
With Stand

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.

Typical power consumption is measured according to Energy Star Program requirements for televisions. Dispose unwanted electronics through an approved recycler. To find the nearest recycling location, go to our website: www. samsung.com/recyclingdirect or call, (877) 278-0799.

# ■ JACK PANEL DETAIL / REAR VIEW



(Unit: inches

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