SAMSUNG

user manual

gures and illustrations in this User Manual are provided for reference ly and may differ from actual product appearance. Product design and

IMPORTANT WARRANTY INFORMATION REGARDING TELEVISION FORMAT VIEWING See the warranty card for more information on warranty

Wide screen format LED Displays (with 16:9 aspect ratios, the 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 with the images constantly in motion. Displaying stationary graphics and Still image warning mages on the 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 time per week. 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 that exceed the above guidelines can cause uneven aging of LED Displays that leave subtle, but ermanent burned-in ghost images in the LED picture. To avoid this, vary the programming and images, and primarily display full screen moving images, not stationary patterns or dark bars. On LED models that offer picture sizing features, use these controls to view different formats as a full screen picture.

Be careful about the television formats you select and the length of time you view them. 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.

to and delete channels from your Favorite Channels list.

To add channels to the Favorite Channels list, follow these steps: 1. Select one or more channels in the All Channels list using the Select All: Select all the channels in the displayed channel list. ▲/▼ buttons and the Yellow Select button on your remote.

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

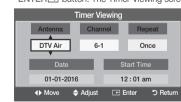
To delete channels from the Favorite Channels list, follow these

- 1. Select one or more channels in the Favorite Channels list using the $\blacktriangle/ \blacksquare$ buttons and the Yellow Select button on your
- 2. Press the TOOLS button on your remote. The Tools menu appears.

3. Select Delete from Favorite in the Tools menu, and then press the ENTER C button **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 To schedule a channel, follow these steps:

- 1. Select a channel in the Added Channels list using the \blacktriangle/∇ buttons and the Yellow Select button on your remo 2. Press the TOOLS button on your remote. The Tools menu
- appears. 3. Select **Timer Viewing** in the Tools menu, and then press the



 Use the
 buttons to move from entry field to entry field and the \blacktriangle/∇ buttons to change the entries. Where numbers are displayed, you can also enter numbers directly using the number keypad on your remote

- S 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 R button on your remote when done.
- Solve States of the sector of Scheduled programs and channels are displayed in the
- Programmed List. Solution When you select a digital channel, press the ► button to

K4100_K5100_BN68-07696J-03_Eng.indb 1

view the digital program list. If you highlight a program in the list, and then press the ENTER C (Schedule) button. you set Timer Viewing for that program directly.

Transportation to and from the Service Center of TVs 40" or smalle is the responsibility of the purchaser. Conditions covered are limited only to manufacturing defects in material or workmanship, and only those encountered in normal use of the product.

5100

Exclusions include, but are not limited to, 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
- call toll-free: In the United States: 1-800-SAMSUNG (1-800-726-7864) 🔊 In Canada: 1-800-SAMSUNG

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Avoid displaying still images (such as jpeg 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 Additionally, viewing other stationary images and text such as stock screen. The constant display of still pictures can cause ghosting o image burn-in (image retention) on the LED screen, which will affect image quality. To reduce the risk of this effect, please follow the mendations 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 details.

Contact SAMSUNG WORLDWIDE f you have any questions or comments relating to Samsung products, ase contact the SAMSUNG customer care center.

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 07660		
Customer Care Center 🕿	1-800-SAMSUNG (726-7864)	(726-7864)		
Web Site	www.samsung.com/ca/ support (English) www.samsung.com/ca_fr/ support (French)	www.samsung.com/us/ support		

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- Add to Favorite/Delete from Favorite: Lets you add channels
 Channel Name Edit: Analog channels only. Lets you assign a 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
 - **Deselect All**: Deselect all the selected displayed channels. Solution Select Deselect All when one or more channels are selected
- 3. Select Add to Favorite in the Tools menu, and then press the Auto Program: See Auto Program under Memorizing Channels. Programmed List (on the Channel List Screen)
 - The Programmed list displays the channels and programs you ve 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 Tools menu.

Programmed List Screen Tools Menu TOOLS

Change Info: Change the scheduling information for a show or channel you have scheduled

- To change the information, follow these steps:
- . 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. he Tools Menu appears 3. Select Change Info, and then press the ENTER c button.
- he **Timer Viewing** screen appears. 4. Use the $\triangleleft/\triangleright$ buttons to move from entry field to entry field
- and the \blacktriangle/∇ buttons to change the entries. Where numbers are displayed, you can also enter numbers directly using the 5. Press the ENTER button when done.
- **Cancel Schedules**: Cancel a show or channel you have scheduled.
- 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. The Tools Menu appears.
- 3. Select Cancel Schedules, and then press the ENTER button. The **Cancel Schedules** screen appears.
- 4. Select **OK**, and then press the **ENTER** 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 E 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 e button. The Timer Viewing Info screen appears.
- 4. Select Change Info, and then press the ENTER I button to change information, or select Close, and then press the ENTER E button to close the Information screen.
- Select All / Deselect All: You can select or deselect all channels in the channel list.

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 he 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 symbo 园) in the lower right side of the screen indicates that a Tools menu is available

Picture Options

When the TV is connected to a PC, you can only make

bluer (cooler). Warm makes the picture redder (warmer).

Warm is deactivated when the picture mode is set to

■ 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

16:9: Sets the picture to the 16:9 wide screen format

op, and bottom are cut off.

borders on the right and left of the picture.

and bottom are cut off.

ts the entire screen

(1080i / 1080p) HD signals.

right, up, and down.

ATV. AV. Component (480i, 480p)

hat may appear on the screen

picture for optimum quality

Picture Off

1080i) and HDMI (480i / 1080i).

If you selected Manual:

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

Timer 1 / Timer 2 / Timer 3

Sou must set the clock first.

■ Volume: Set the desired loudness.

Activate.

the USB device:

device is 1000

appears.

button.

rated lower than USB 2.0.

re-appears.

to select the folder.

and the type or name of the device.

State of the Sleep Timer, select Off

Sleep Timer TOOLSE

Input Source

screen sizes as well. However, we highly recommend you use the TVs 16:9 mode most of the time.

Zoom1: Provides moderate magnification of the picture. Sides,

Zoom2: Provides larger magnification of the picture. Sides, top,

Wide Fit: Enlarges the aspect ratio of the picture so the picture

Do not watch your TV in the 4:3 format for a long time

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

burn) which is not covered by the warranty.

(1920x1080) or 720p (1280x720) resolution

by Input Source are listed below:

4:3: Sets the picture to the old, 4:3 format and puts black or gray

The borders displayed on the left, right, and center of the screen in 4:3 format may cause image retention (screen

your TV is inputting HDMI (720p / 1080i / 1080p) or Component

🛸 HD (High Definition) has a 16:9 aspect ratio and 1080i/1080p

Nou can adjust and store settings for each external device you

Custom: Magnifies or shrinks 16:9 pictures vertically and/or

horizontally. A magnified or shrunk picture can be moved left,

DTV (1080i, 1080p), Component (1080i, 16:9, Wide Fit, 4:3,

Digital Clean View (Off / Low / Medium / High / Auto) : If the

When the signal is weak, try all the Digital Clean View

■ HDMI Black Level (Normal / Low) : For HDMI signals, select

Film Mode (Off / Auto1 / Auto2) : Sets the TV to automatically

sense and process film signals from all sources and adjusts the

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

needed - for example when the TV is displaying dark scenes - to

reduce power consumption. The backlights are returned to full

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

The **Clock Set** screen appears. Use the \blacktriangle/∇ buttons to

change the values in each field or use the number buttons to

field to field. When done with all the fields, press ENTER

Available only when Clock Mode is set to Manual.

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

Activate/Inactivate fields for the On Time and Off Time Use the

 \checkmark buttons to move from field to field. Use the \land/\lor buttons

the setting you have chosen, set the Activate/Inactivate field to

to change the values in each field. To activate the timer with

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.

press the ENTER 😔 button. The Contents screen appears

- TV/USB: Select TV or USB. The USB device must be

S The maximum number of files the TV can display.

buttons to change the values in each field.

connected to your TV before you can select USB

Use the $\triangleleft/\triangleright$ buttons to move to the Contents field, and ther

Use the \triangleleft buttons to move from field to field. Use the \triangleleft / \bigtriangledown

- 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

including sub folders, in one folder of a USB storage

1. Use the **◄/**► buttons to move to the field under **Music**

Solution The media may not play smoothly if you use a USB device

or the field under **Photo**, and then press the ENTER

button. The TV displays a single folder (the Root folder)

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

Solution Not the second se

3 Use the \blacktriangle/∇ buttons to highlight a folder that contains

4. Press the RETURN button. The Timer screen re-appears.

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

days you want to activate the timer by using the ◄/► buttons

to 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.

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

press either the ENTER e or RETURN button.

Yellow select button to select the Boot folder, and

then press the RETURN button. The Timer screen

music or photos, and then press the Yellow select button

Furns the TV on and off automatically at times and days you

select. You can set three different on/off timer settings

■ On Time / Off Time: Set the hour, minute, am/pm, and

enter the values directly. Use the ◄/► buttons to move from

except the power key or volume button to turn on the screen

■ Motion Lighting (Off / On): When on, the TV automatically

dims the screen's backlights when full brightness is not

brightness when the TV displays bright scenes.

the black level to adjust the screen depth. Low make blacks look

options until the TV displays the best picture

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

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

the Digital Clean View feature to reduce any static and ghosting

1080p), HDMI (720p, 1080i, 1080p) Screen Fit

have connected to an input on the TV. Picture Sizes available

Picture Size

4:3

16:9, Zoom1, Zoom2

changes to the Color Tone, Size, and HDMI Black Level

Color Tone (Cool / Standard / Warm): Cool makes the picture

- 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 n 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 normal room brightness ■ 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 /

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/B). 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.
- Nhen the TV is connected to a PC, you can only make changes to Backlight, Contrast, Brightness, and Sharpness.

Other Channel Menu Functions

Channel Mode (Added Channels/Favorite Channels)

Lets 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 you press the **ACHV** button.

Fine Tune

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.

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 reset fine-tuning, select the channel, select **Fine Tune**, and then select Reset on the Fine Tune screen

Setup Menu

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

Language

Set the menu language Schoose between English, Español, and Français.

Setting the Time

1. Select Setup >Time > Clock.

ENTER R again.

digital channel.

If you selected Auto:

press ENTER -

- Time $^{\otimes}$ 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. lf you disconnect the power cord, you have to set the
- clock again. To set the clock, follow these steps

2. Press ENTER And select Auto or Manual, and then press

The TV will automatically download the correct time from a

• Select Time Zone, and then press the ENTER C button.

• Select DST (Daylight Savings Time), and then press

ENTER C. Select On if you want to turn the DST

DŚT adjustment. Press ENTER 🖂 when done.

when the Clock Mode is set to Auto

Use the ▲/▼ buttons to select your **Time Zone**, and then

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

S The **DST** and **Time Zone** functions are only available

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

Clear Voice: Emphasizes voices over other sounds. 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 frequencies **Reset**: Resets the equalizer to its default settings.

Auto Volume

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

Speaker Select

If you are listening to the sound track of a broadcast or movie bugh 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, se the TV to External Speaker

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

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

settings will be limited. Solution State State

external speakers will be mute

Preferred Language Digital channels only

Digital-TV broadcasts can transmit many audio tracks

simultaneously (for example, simultaneous translations of a program into foreign languages).

Solution You can only select a language from among the ones being broadcast.

Multi-Track Sound (MTS)

usually a foreign-language translation.

Mono, Stereo or SAP.

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

🔊 Depending on the program being broadcast, you can listen to

Voice Guide (On/Off)

□ Other Features

You can activate voice guides that describe the menu options aloud locks. You can also Allow All or Lock All. When done, press the aid the visually impaired.

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 Mode** function. 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 Game Mode is not available when the input source is set to TV.

Solution After connecting the game console, set **Game Mode** to **On**. You may notice slightly reduced picture quality. 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 atings. To access the **Program Rating Lock** feature and make any changes, you must enter a PIN (personal identification number). To watch a blocked program, you must also enter the same PIN.

S Program Rating Lock is not available in HDMI or Componen 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 C. Select On, and then press the ENTER C 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 E button. The options are listed below

TV Parental Guidelines: You can block TV programs based 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 quardians with advanced mation 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 DTV channels.

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.

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

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 e when done (0ms ~ 250ms).

Visually Impaired

(diaital channels only) Adds a verbal description to the main audio to help the visually impaired.

Dolby Digital Comp

Sets Dolby Digital compression mode

TV Installation Type

Adjusts the TV audio so that it is optimized for your installation type. Select either stand or wall mount.

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

Antenna (Air / Cable)

- 3 -

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 unction

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.

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

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 screer

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

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

POWER (off) \rightarrow MUTE \rightarrow 8 \rightarrow 2 \rightarrow 4 \rightarrow POWER (on)

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

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

Solution The Caption feature does not work in Component or

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

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

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

nnels only) The Digital Captions function

Service1~6 may not be available in digital caption mode

Size: Options include Default, Small, Standard, and Large. The

Foreground Color: Options include Default, White, Black, Red,

Background Color: Options include Default, White, Black, Red,

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

Foreground Opacity: This adjusts the opacity of text. Options

include Default, Transparent, Translucent, Solid, and Elashing,

Background Opacity. This adjusts the opacity of the caption

background. Options include Default, Transparent, Translucent,

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

Color, Background Color, Foreground Opacity, and Background

Digital Caption Options are available only when you can

Solution The Foreground and Background cannot be set to the

Enable or disable the display of the Samsung logo when you turn

select Default and Service1 ~ Service6 in Caption Mode.

background color of the captions. The default is Black.

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

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

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

Analog Caption function operates in either analog TV channel

Caption Mode: You can select the desired caption mode.

function may or may not work with digital channels.)

depending on the broadcast

color of the letters. The default is White.

Digital Caption Options: (Digital channels only)

the following sequence, which resets the pin to "0-0-0-0"

RETURN button on your remote

(On-Screen Text Dialogue)

HDMI mode.

digital channels

default is Standard.

Solid. and Flashing.

Opacity to its default.

same color.

Boot Logo

on the TV.

default is Style C

new PIN.

Caption

When you click a low rating, all the ratings above it will also display

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. If you are using a cable or satellite box, you do not need to run the Auto Program function

All Channels: Shows all currently available channels including

Added Channels: Shows all Added Channels. These are the

Programmed: Shows all channels and programs currently

Semote control buttons active on the Channel List screen.

Yellow (Select): Move the cursor to a channel. Press the Yellow

r 卮 (Tools): Displays the Channel List Tools menu. (The Tools

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

Meaning

Green (Zoom): Enlarges or shrinks a channel number.

those you deleted from the Added Channels list.

Favorite Channels: Shows all favorite channels.

function to the channels you selected.

menus may differ depending on the situation.)

Channel List or the Channel List functions.

A selected channel

A Favorite channel

channel, and then press the **TOOLS** button.

A reserved program.

A program currently being broadcast

□ The Channel List Tools Menu TOOLS ■

The Channel List Tools menu contains most of the functions you

To delete channels from the Added Channels list, follow these steps

1. Select one or more channels in the Added Channels list using

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

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

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

the ▲/▼ buttons and the Yellow Select button on your remote

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

. Select one or more channels in the All Channels list using the

▲/▼ buttons and the Yellow Select button on your remot

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

S All deleted channels will be shown on the All Channels list.

S A gray-colored channel indicates the channel has been

S The Add menu option only appears for deleted channels

ted from the Added Channels list.

You add channels back to the Added Channels list on the

can use on the All Channels. Added Channels, and Favorite

Channels List screens. To view, select a list screen, select a

Add / Delete: Delete a channel from or add a channel to the

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

Display Icons Used in the Channel List Screens

scheduled using Timer Viewing.

Icons

•

Θ

Added Channels list.

appears.

appears.

button.

All Channels list.

pplication Menu

USB Mass Storage Class (MSC) device.

□ Connecting a USB Device

Using the Media Play Menu

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

blications on the left.

port_USB HDD is not supported

be supported.

display on the screen.

press the ENTER dutton.

1. Press the MENU button. Then, press the ▲ or ▼ button t

3. Press the *◄* or ► button to select an icon (Videos, Music.

Photos, Settings), and then press the ENTER € but

Read the list below before using Media Play (USB)

• The file system supports FAT16, FAT32, and NTFS.

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

"Not Supported File Format" message appears.

managing billing and settlements.

· PTP (Pier to Pier) devices are not supported.

. The TV cannot play MP3 files with DRM that have been

• The higher the resolution of the image, the longer it takes to

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

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

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

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

• 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

downloaded from a for-pay site. Digital Rights Management

· 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.

(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

2016-07-14 오후 2:38:05

Media Play might not work properly with unlicensed

2. Connect a USB device containing photo, music, and/or movie

3. Press the MEDIA.P button on your remote. The Media Play

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

1. Turn on your TV.

menu appears.

3

button

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

channels that appear when you press the CH button.

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 C. The TV will automatically start memorizing channels. Cable

If your TV is connected to a cable outlet, choose Cable, and then press ENTER . Go to Step 3.

Auto 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 $\langle / \rangle / \langle / \rangle$ 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.
- Solution 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.

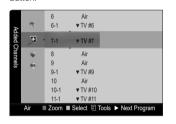
Clear Scrambled Channel

This function filters out scrambled channels after Auto Program is completed. This process may take up to 20~30 minutes Section 2018 S

- Solution This function is only available in **Cable** mode.

Managing Channels Channel List

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 for viewing. Watch a channel by selecting the channel in the All Channels, Added Channels, or Favorite Channels screen, ressing the \blacktriangle / \blacktriangledown buttons, and then pressing the ENTER \square button



Channel List Screens icons are listed on the left side Select an icon using the \blacktriangle/∇ buttons to view each list.

Eco Solution

- Energy Saving (Off / Low / Medium / High): Lets you adjust
- he brightness of the TV to reduce power consumption. Eco Sensor (Off / On): To enhance your power savings the
- picture settings will automatically adapt to the light in the room. This function may not be available, depending on the model. Solution If you adjust the **Backlight** fuction, **Eco Sensor** will be set
- Min. Backlight: When Eco Sensor is On, you can adjust the minimum screen brightness manually.
- lf Eco Sensor is On, the display brightness may change (become slightly darker in most cases) depending on the surrounding light intensity.
- 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

Input Menu

Source List

hiahliahted.

Name

in Edit Name.

How to use Edit Name

ect TV or other external input sources such as DVE ray players / cable box / STB satellite receiver connected to the TV. 2. Press the ▲ or ▼ button to select Media Play (USB), and then 1. Press the SOURCE button.

connected to the TV. In the Source List, connected inputs are

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

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

HDMI 2, select Blu-ray player from the drop down next to HDMI 2

If you have connected a PC to the HDMI IN 2 (DVI) port with

Not the HDMI IN 2 (DVI) port with

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

an HDMI cable, you should select PC mode in Edit Name.

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

port with an HDMI to DVI cable, you should select DVI mode

making it easier to select a source. To access Edit Name, enter the

2. Select a desired external input source.

TV / AV / Component / HDMI1 / HDMI2/DVI

You can only choose external devices that are

- 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 JSB 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 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 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 a USB storage device is 1000
- The media may not play smoothly if you use a USB device rated lower than USB 2.0.

Videos



1. In the Media Play menu, press the ◄ or ► button to select Videos, and then press the ENTER e button

- **2.** Press the $\triangleleft/\triangleright/\land/\lor$ 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 \blacktriangleleft and
- buttons. 🔊 In this mode, you can play movie clips contained in a game,

but you cannot play the game itself. Supported Subtitle Formats

External

Trouble Powering On

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

Interna	1		
	Name	Container	Format
	Xsub	AVI	Picture Format
S	ubStation Alpha	MKV	Text Format
Advand	ced SubStation Alpha	MKV	Text Format
	SubRip	MKV	Text Format
MF	PEG-4 Timed text	MP4	Text Format

File Extension	Container	Video Codec	Resolution	Frame rate(fps)	Bit rate (Mbps)	Audio Codec
		Motion JPEG	640x480		8	
		H.264 BP/ MP/HP				
*.avi *.mkv *.asf *.wmv	AVI - MKV ASF MP4 - 3GP MOV FLV - VRO VRO VRO VRO TS	H. 264 BP / MP / HP	1920x1080	MAX 30 30		Dolby Digital
*.mp4 *.mov		Divx 3.11 / 4 / 5 / 6			ADPCM (IMA, MS) AAC	
*.3gp *.3gpp *.mpg		MPEG4 SP/ ASP			30	HE-AAC WMA Dolby Digital Plus MPEG(MP3) DTS (Core , LBR) G.711(A- Law, µ-Law)
*.mpeg *.ts *.tp *.trp *.mov *.flv *.divx *.dat		Window Media Video v9(VC1)				
		MPEG2				
		MPEG1				
*.webm	WebM	VP8	1920x1080	6~30	20	Vorbis

- 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 TV'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
- Supports 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
- Audio Decoder WMA 10 Pro supports up to 5.1 channels. Supports up to the M2
- profile. WMA lossless audio is not supported.
- QCELP and AMR NB/WB are not supported.

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.

you find that you are having trouble powering on your Samsung television, there are a number of things to check

• If you happen to be using the TV as a monitor and the stand-by light only blinks for a few seconds when you

press the power button, your PC is in sleep mode. To take your PC out of sleep mode, press a key on your

- Vorbis is supported for up to 2 channels. Dolby Digital Plus is supported for up to 5.1 channels.
- The DTS LBR codec is only available for MKV / MP4 /TS containers.



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 1. With the folders on your USB device displayed, use the
- 3. Press the ENTER ← button or ► (Play) button.
- Suring music playback, you can search using the \blacktriangleleft and button. Image: Ima
- Solution 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 Equalizer in the Sound menu. (An over-modulated MP3 file may cause a sound problem.)

Photos



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

2. Press the $\triangleleft/\triangleright/\land/\lor$ 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.

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

 Supported Photo Formats 					
Image	Photo	Resolution			
JPEG	Base-line	15360 x 8640			
JPEG	Progressive	1024 x 768			

Other Restrictions • CMYK, YCCK Color space JPEG are not supported.

Playing Multiple Files

There is no picture/video

RF (Cable/Antenna) Connection

No Caption on digital channels.

The picture is distorted: macroblock error, small block, dots, pixelization.

Others

The TV is not receiving all channels.

Plaving selected video/music/photo files 1. On the File List screen, highlight a file, and then press the Yellow

- 2. Repeat Step 1 to select multiple files. NOTE
- A \checkmark 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 C button.
- 3. Press the TOOLS button, select Play Selected Contents, and then press the ENTER button.
- Playing a video/music/photo folder

button on your remote

- $\langle / \rangle / \langle / \rangle$ buttons to highlight a folder.
- 2. Press the TOOLS button, select Play Folder, and then press the ENTER button.

Media Play - Additional Functions

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.	\checkmark	\checkmark	
Picture Size	You can adjust the picture size to your preference.	\checkmark		
Picture Mode	You can adjust the picture setting.	\checkmark		\checkmark
Sound Mode	You can adjust the sound setting.	\checkmark	\checkmark	\checkmark
Subtitle Settings	You can play the video with Subtitles. This function only works if the subtitles have the same file name as the video.	~		
Audio Format	You can select the digital audio output format.	\checkmark		
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.			\checkmark
Background Music You can set and select background music when watching a Slide Show.				~
Zoom	You can zoom into images in full screen mode.			\checkmark
Rotate	You can rotate images in full screen mode.			\checkmark

You can see detailed information about the played file. All care protection (Depending on the country and model.) All care protection will update Picture quality every 5,000 hours.

2. All care protection popup menu will show every 5,000 hours, Max 3 times (5.000/10.000/15.000 hours.) 3. The notification or popup menu will be closed by timeout (30 sec.) or electing any key on the remote except power key Solution When user turns the power off and then on again, popup menu

for requesting update is provided again Popup menu is provided only 3 times including initial popup Popup menu will show only at TV on time.

· Check the cable connections. (Remove and reconnect all cables connected to the TV and external devices

Reboot the connected device by unplugging and then reconnecting the device's power cable.

Make sure your connected devices are powered on.

· Make sure the coaxial cable is connected securely

Verify the antenna is positioned co

Some channels may not have caption data

Run Auto Program to add available channels to the channel list.

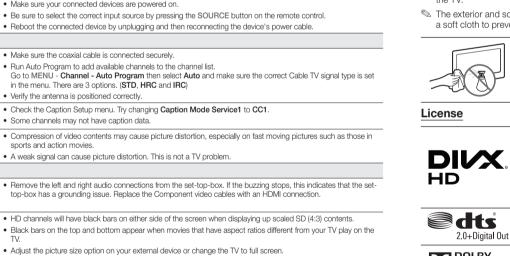
• A weak signal can cause picture distortion. This is not a TV problem

• Check the Caption Setup menu. Try changing Caption Mode Service1 to CC1.

Set your external device's (Cable/Sat Box, DVD, Blu-ray etc) video outputs to match the connections to the Ty

input. For example, if an external device's output is HDMI, it should be connected to an HDMI input on the TV.

formation



- **dts**
- 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. Purple/green rolling horizontal bars and buzzing noise from the TV speakers wit 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 screer 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. 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. • Check the supported resolution of the TV and adjust the external device's output resolution accordingly. Refer to A "Mode Not Supported" message appears. resolution settings in this manual. Caption on the TV menu is greved 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 (unavailable). Your settings are lost after 30 minutes or If TV is in the Store Demo mode, it will reset audio and picture settings every 30 minutes. Please change from every time the TV is turned off. Store Demo mode to Home Use mode using the Plug & Play procedure. Press the SOURCE button to select TV mode, go to MENU \rightarrow Setup \rightarrow Plug & Play \rightarrow ENTER 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 connectors.
 - This is part of the product's design and is not a defect. You see small particles when you look closely at the edge of the frame of the TV POP (TV's internal banner ad) appears • Select Home Use under Plug & Play mode. For details, refer to Plug & Play (Initial Setup). on the screen

🗞 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.

S 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.

🗞 You can keep your TV in optimum condition by upgrading it with the latest firmware from the Samsung web site (samsung.com

 \rightarrow Support \rightarrow 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 then select Support > Software Upgrade in the TV's menu.

- 14-

	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 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 in sports and action movies. A weak signal can cause picture distortion. This is not a TV problem. Mobile phones used close to the TV (within 3.3ft) may cause noise in the picture on analog and digital channels.
The color is wrong or missing.	 If you're using a component connection, make sure the component cables are connected to the correct jacks. Incorrect or loose connections may cause color problems or a blank screen.
There is poor color or brightness.	 Adjust the Picture options in the TV menu. (go to Picture Mode / Color / Brightness / Sharpness) Adjust 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)
There is a dotted line on the edge of the screen.	 If the picture size is set to Screen Fit, change it to 16:9. Change 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.
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.
There is no sound or the sound is too low at maximum volume.	Check the volume of the device (Cable/Sat Box, DVD, Blu-ray, etc.) connected to your TV.
The picture is good, but there is no sound.	 If you are using an external device, check the device's audio output option Ex. you may need to change your cable box's audio option to HDMI 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 inappropriate noise.	 Check the cable connections. Make sure a video cable is not connected to an audio input. For Antenna or Cable connections, check the signal information. A weak signal may cause sound distortion. Perform the Sound Test as explained above.

before making a call to the service department.

keyboard or move the mouse. Then try turning your TV on.

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	
The TV will not turn on.	 Make sure the AC power cord is securely plugged into the wall outlet and the TV. Make sure the wall outlet is working. Try pressing the POWER button on the TV to make sure the problem is not the remote. If the TV turns on, refer to 'Remote control does not work' below.
The TV turns off automatically.	 Ensure the Sleep Timer is set to Off in the Time menu. If your PC is connected to the TV, check your PC power settings. Make sure the AC power cord is plugged 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 if there is no sional.



PIN option. Use Mode

Refer to this information when connecting external devices to the

Settings

Using the Setup Menu

■ DivX® Video On Demand: Shows the registration code authorized for the TV. If you connect to the DivX web site and register with the 10-digit registration code, you can download the VOD activation file. Once you play it using Media Play, the gistration is completed.

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

■ Information: Select to view information about the connected USB device.

□ Using Sports Mode TOOLSE

This mode provides optimized conditions for watching soccer and other sports. • A (Zoom): Pauses playback and divides the picture into 9 parts

Select a part to zoom it in.

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

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

Support Menu

Self Diagnosis

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

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

S The PIN input screen appears before the setup screen. Senter your 4-digit PIN. Change the PIN using the Change

Software Upgrade

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

You can turn the TV into a display model for retail environments by setting Use Mode to Store Demo

Sor all other uses, select Home Use With **Store Demo**, some functions are disabled, and the TV

automatically resets itself after a preset amount of time.

HD Connection Guide

Contact Samsung

View this information when your TV does not work properly or when you want to upgrade the software. You can find information regarding our call centers and how to download products and

electric shock.

Other Information

Installing the Wall Mount Kit

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

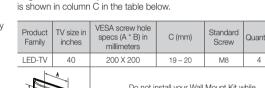
I-(m),

Wall Mount Kit Specifications (VESA)

S 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 you nearest dealer. If you install the TV on a ceiling or slanted wall, it may fall and result in severe personal injury.

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

- below. The Samsung wall mount kit contains a detailed installation nanual 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 r do not comply with the VESA standard screw specifications. crews 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.
- Standard dimensions for wall mount kits are shown in the table below. If you are installing a third-party wall mount, note that the length of the screws you can use to attach the TV to the wall mount



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

To prevent the TV from falling

Since the necessary brackets, screws, and string or cable are ot supplied, please purchase these separate

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.

- Solution We strongly recommend you drive the screws into a stud.
- 2. Insert the screws through the TV brackets, and then fasten the screws to the top VESA screw holes on the back of the TV.
- 3. 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 care.

Securing the TV to the Wall

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

 $\ensuremath{\,{}^{>}}$ When you have to relocate or lift the TV for replacement or cleaning, be sure not to pull out the stand.

Troubleshooting

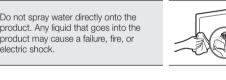
If the TV seems to have a problem, first review this list of possible problems and solution. If none of these troubleshooting tips apply, visit samsung.com, then click on Support, or call Samsung customer service at 1-800-SAMSUNG.

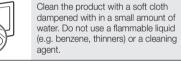
Problem	Possible Solution		
Flickering and Dimming	If your Samsung Television is flickering or dimming sporadically, you may need to disable some of its energy efficiency features such as the Energy Saving feature. Follow the steps below with your remote to turn these feature off or on.		
	• Energy saving : MENU \rightarrow Setup \rightarrow Eco Solution \rightarrow Energy Saving \rightarrow Select Settings		
	• Eco Sensor : MENU \rightarrow Setup \rightarrow Eco Solution \rightarrow Eco Sensor		
	🔊 This function may not be available, depending on the model.		
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.		
	\bullet Self Diagnosis : User Menu \rightarrow Support \rightarrow Self Diagnosis \rightarrow Picture Test		
	• If the test is ok, try making sure ;		
	 Your connections are all consistent. For example, if you've used the AV In jack on your TV, make sure you have used the AV Out jack on your video source. 		
	 Try making sure you have connected to the correct jacks. For example, if you use the Component jacks, labeled Pb, Pr, and Y, to connect your TV and video source, make sure you have connected the blue Pb jack on the video source to the blue Pb jack on the TV, the red Pr jack on the source to the red Pr jack on the TV, 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 : User Menu \rightarrow Setup \rightarrow Time \rightarrow Sleep Timer		
	If the Sleep Timer is not activated, you may have engaged the No Signal Power Off or Auto Power Off feature.		
	• No Signal Power Off : User Menu \rightarrow Setup \rightarrow Eco Solution \rightarrow No Signal Power		
	 Auto Power Off : User Menu → Setup → Eco Solution → Auto Power Off 		

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





his DivX Certified® device has passed rigorous testing to ensure it plays DivX® video. play purchased DivX movies, first register your device at vod.divx.com. Find your registration code in the DivX VOD section of your device setup menu DivX Certified® to play DivX® video up to HD 1080p, including premium content. DivX® DivX Certified® and associated logos are trademarks of DivX LLC and are used under license Covered by one or more of the following U.S. patents: 7,295,673; 7,460,668; 7,515,710; 8,656,183;

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Open Source Announcemen To send inquiries and requests for questions regarding open sources, contact Samsung via Email (oss.request@samsung.com).

nvironmental Consideration 50°F to 104°F (10°C to 40°C) Operating Temperature rating Humidity 10% to 80%, non-condensin orage Temperature -4°F to 113°F (-20°C to 45°C 5% to 95%, non-condensin age Humidity 1odel Name UN40K5100 Display Resolution 1920 x 1080 en Size 40" Clas (Diagonal) (39.5 measured diagonally) Sound (Output) 20 W Dimensions (W x H x D) 35.5 x 21.9 x 3.1 inches Body (901.1 x 557.1 x 78.0 mm) With stand 35.5 x 24.5 x 7.5 inches (901.1 x 621.5 x 191.4 mm) Weiaht 17.9 lbs (8.1 ka) Without Stand 18.1 lbs (8.2 kg) With Stand Design and specifications are subject to change without prior notice.

S This device is a Class B digital apparatus.

Specifications

🦠 For information about the power required and more about power consumption, refer to the label attached to the product.

S 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 25 O O B (Unit: inches) Model name UN40K5100

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.

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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.

- Sease find a "☆" icon on the rear of the TV. The Kensington slot

Display Modes (HDMI/DVI Input)

mal re	solution: 192	0 x 1080@6	60Hz			
ode	Resolution	Horizontal Frequency (KHz)	Vertical Frequency (Hz)	Pixel Clock Frequency (MHz)	Sync Polarity (H / V)	1920 x 1080
BM	640 x 350	31.469	70.086	25.175	+/-	~
	720 x 400	31.469	70.087	28.322	-/+	~
	640 x 480	35.000	66.667	30.240	-/-	~
1AC	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	+/+	\checkmark
	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	+/+	~
A 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	-/+	\checkmark
	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	+/+	\checkmark
	1440 x 900	55.935	59.887	106.500	-/+	\checkmark
	1600 x 900RB	60.000	60.000	108.000	+/+	~
	1680 x 1050	65.290	59.954	146.250	-/+	\checkmark
	1920 x 1080	67.500	60.000	148.500	+/+	\checkmark

15		

