user manual

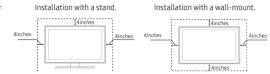
Still image warning

Avoid displaying still images (such as jpeg picture files) or still image elements (such as TV channel logos, panorama or 4:3 image format, stock or news bars a screen bottom etc.) on the screen. Constant displaying of still pictures can cau ghosting of LED screen, which will affect image quality. To reduce risk of this e please follow below recommendations:

- Avoid displaying the same TV channel for long periods.
- Always try to display any image on full screen, use TV set picture format menu for best possible match.
- Reduce brightness and contrast values to minimum required to achieve desired
- picture quality, exceeded values may speed up the burnout process. Frequently use all TV features designed to reduce image retention and screen burnout, refer to proper user manual section for details.

Failing to do so may result in fire or a problem with the product due to an increase in ternal temperature of the product

- If you use parts provided by another manufacturer, it may result in a problem with the product or an injury due to the product falling.
- The appearance may differ depending on the product. Be careful when you contact the TV because some parts can be somewhat hot.



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plays and selects the available video

eturns to the previous channel

uts off the sound temporarily.

plays the main on-screen menu

Shuts off the TV automatically after a

(Enter): Press this button to select or

irections on the TV's screen

Installing batteries (Battery size: AAA)

• Use the remote control within 23 feet from TV.

• Bright light may affect the performance of the remote control.

Avoid use when nearby fluorescent lights or neon signs.

• The Color and shape may vary depending on the model

Exit the menu.

🗞 Learn where the function buttons are on your remote. Especially note POWER, SOURCE, VOL, CH, MENU, TOOLS, CH LIST, RETURN and EXIT.

1 2 3

4 5 6

7 8 9

- | O | PRE-CH

MEDIA.P MENU SLEEP

RETURN EXIT

A B C D

4

SAMSUNG

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

NOTE

(D)

Turns the TV on or of

Adjusts the volum

Press to access channels directl

Displays the channel list on the screen

Displays frequently used function

PIC SIZE: Changes the picture size

CC: Controls the caption decoder and

MTS: Changes a program's audio to stereo, mono, or Separate Audio Program (SAP broadcast).

The button names above may differ from the actual names

31.469

35.000

49.726

37.500

37.879

46.875

48.363

56.476

70.087 28.322

72.809 31.500

75.000 31.500

60.317 40.000

75.000 49.500

70.069 75.000

48.077 72.188 50.000

60.004

60.023 75.029 78.750 45.000 60.000 74.250 47.712 59.790 85.500

30.240

57.284

25.175

66.667

Display Modes (HDMI/DVI Input)

720 x 400

640 x 480

640 x 480

640 x 480

800 x 600

800 x 600

1024 x 768

Some buttons on the remote control may not be available.

Moves the cursor, selects the on-scre

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OL. ANZURES, DELEGACIÓN MIGUEL HIDALGO, México, Ciudad de México C.P. 11590 TEL: 01 (55) 5747-5100 / 01 800 726 7864

Securing the Installation Space

n the product and other objects (e.g. walls) to

This symbol indicates that this product has included important literature concerning operation and When using a stand or wall-mount, use parts provided by Samsung Electronics

TD315

The slots and openings in the cabinet and in the back or bottom are provided for necessary ventilation. To ensure reliable operation of this apparatus and to protect it from overheating, these slots and openings must never be

Important Safety Instructions

SAMSUNG

blocked or covered. Do not place this apparatus in a confined space, such as a bookcase or

RISK OF ELECTRIC SHOCK. DO NOT OPEN.

PARTS INSIDE. REFER ALL SERVICING TO QUALIFIED PERSONNEL

This symbol indicates that high voltage is present

inside. It is dangerous to make any kind of contact with any internal part of this product.

- built-in cabinet, unless proper ventilation is provided. Do not place this apparatus near or over a radiator or heat register, or
- where it is exposed to direct sunlight Do not place vessels (vases etc.) containing water on this apparatus, as this can result in a fire or electric shock.
- Do not expose this apparatus to rain or place it near water (near a bathtub, washbowl, kitchen sink, or laundry tub, in a wet basement, or near a wimming pool, etc.). If this apparatus accidentally gets wet, unplug it and contact an authorized dealer immediately.
- This apparatus uses batteries. In your community, there might be environmental regulations that require you to dispose of these batteries properly. Please contact your local authorities for disposal or recycling
- Do not overload wall outlets, extension cords, or adaptors beyond their capacity, since this can result in fire or electric shock
- Power-supply cords should be placed so that they are not likely to be walked on or pinched by items placed upon or against them. Pay particular attention to cords at the plug end, at wall outlets, and at the point where they exit from
- To protect this apparatus from a lightning storm, or when left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the set due to lightning and power line surges.
- Before connecting the AC power cord to the DC adaptor outlet, make sure that the voltage designation of the DC adaptor corresponds to the local electrical supply. Never insert anything metallic into the open parts of this apparatus. This may
- cause a danger of electric shock. • To avoid electric shock, never touch the inside of this apparatus. Only a
- qualified technician should open this apparatus. • Be sure to plug in the power cord until it is firmly seated. When unplugging

☐ Seeing Channels

Channel List

- the power cord from a wall outlet, always pull on the power cord's plug. Never unplug it by pulling on the power cord. Do not touch the power cord with wet hands.
- If this apparatus does not operate normally in particular, if there are any unusual sounds or smells coming from it - unplug it immediately and contact an authorized dealer or service center.

Add, delete or set Favorite channels and use the program quide

All Channels: Shows all currently available channels.

Programmed: Shows all currently reserved programs.

Using the remote control buttons with the Channel List

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

Antenna (Switch to Cable / Switch to Air TOOLS 7)

When selecting the Cable TV system: Selects the cable system

STD, HRC and IRC identify various types of cable TV systems.

Contact your local cable company to identify the type of cable system that exists in your particular area. At this point, the signal

Before your television can begin memorizing the available channels,

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

Yellow (Select): Selects multiple channel lists. Select desired

channels at the same time. The \checkmark mark appears to the left of the selected channels.

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

channels and press the Yellow button to set all the selected

■ ★ Added Channels: Shows all added channels.

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

Channel Status Display icons

: A channel set as a Favorite.

☐ Memorizing channels

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

source has been selected.

How to Stop Auto Programming

. Press the ENTER 🗗 buttor

Auto Program

• 🛱 : A program currently being broadcast.

✓: A channel selected

(a) : A reserved program.

for digital broadcasts. Select a channel in the All Channels, Added Channels, Favorite or Programmed screen by pressing the ▲/▼ buttons, and pressing the ENTER → button. Then you can watch the

Warning! Important Safety Instructions

(Please read the Safety Instructions before using your TV.)

Class II product: This symbol indicates that a safety connection to electricál earth (ground) is not require

AC voltage: Rated voltage marked with this symbol is AC

DC voltage: Rated voltage marked with this symbol is DC





Caution. Consult instructions for use: This symbol instructs the user to consult the user manual for further safety

- . Be sure to pull the power plug out of the outlet if the TV is to remain unused or if you are to leave the house for an extended period of time (especially when children, elderly, or disabled people will be left alone in the house). - Accumulated dust can cause an electric shock, an electric leakage, or a
 - the insulation to deteriorate. Be sure to contact an authorized Samsung service center for information if you intend to install your TV in a location with heavy dust, high or low temperatures, high humidity, chemical substances, or where it will operate 24 ours a day such as in an airport, a train station, etc. Failure to do so may lead

fire by causing the power cord to generate sparks and heat or by causing

- to serious damage to your TV. Use only a properly grounded plug and wall outlet.
- An improper ground may cause electric shock or equipment damage. (Class I Equipment only.)
- To turn off this apparatus completely, disconnect it from the wall outlet. To ensure you can unplug this apparatus quickly if necessary, make sure that the $\,$ wall outlet and power plug are readily accessible.
- Store the accessories (batteries, etc.) in a location safely out of the reach of
- Do not drop or strike the product. If the product is damaged, disconnect the power cord and contact a Samsung service center
- To clean this apparatus, unplug the power cord from the wall outlet and $% \left(1\right) =\left(1\right) \left(1\right) \left($ wipe the product with a soft, dry cloth. Do not use any chemicals such as wax, benzene, alcohol, thinners, insecticide, air fresheners, lubricants, or detergents. These chemicals can damage the appearance of the TV or erase the printing on the product.
- Do not expose this apparatus to dripping or splashing
- Do not dispose of batteries in a fire.
- Do not short-circuit, disassemble, or overheat the batteries. • There is danger of an explosion if you replace the batteries used in the
- remote with the wrong type of battery. Replace only with the same or equivalent type. WARNING - TO PREVENT THE SPREAD OF FIRE, KEEP
- CANDLES AND OTHER ITEMS WITH OPEN FLAMES AWAY FROM THIS PRODUCT AT ALL TIMES.
- · Use care when touching the TV after it has been on for some time. Some parts can be warm to the touch.

State of California Proposition 65 Warning

WARNING: This product contains chemicals known to the State of

California to cause cancer and birth defects or other reproductive harm.

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

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

0

TV Controller

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

Exits the menu when pressing the controller more than 1 second.

Remote control sensor -

The image is drawn by facing

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

the front side of the TV

first, you cannot operate it to move the up/down/left/right directions.

Picture Menu

Getting Started

Input Cables (Sold Separately)

Composite (AV)

Remote Control & Batteries (AAA x 2)

Cable Plugs

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

Please align the location holes beside the screws on the stand and then go to step 2

Warranty Card / Regulatory Guide

Power Cord

User manual

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

Ports/Jacks

• Cable Holder

HDMI

Selecting the Media Play

■ Film Mode: Sets the TV to automatically sense and process film

The TV screen is turned off but audio continues. Press any key(except

Power and Volume buttons) on your remote to turn the screen back on

■ Balance L/R: Adjusts the balance between the right and left speaker

Automatically adjusts the volume level when you change video sources

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

When Speaker Select is set to External Speaker, the volume and

MUTE buttons will not operate and the sound settings will be

■ 100Hz / 300Hz / 1kHz / 3kHz / 10kHz (Bandwidth Adjustment)

Adjusts the level of specific bandwidth frequencies.

■ Reset: Resets the equalizer to its default settings.

When Speaker Select is set to External Speaker

TV Speaker: Off, External Speaker: On

• TV Speaker: On, External Speaker: On

If there is no video signal, both speakers will be mute

Digital-TV broadcasts are capable of simultaneous transmission of

many audio tracks (for example, simultaneous translations of the

You can only select a language from among the ones being

When Speaker Select is set to TV Speaker.

or content so the level remains the same.

Resets your current picture mode to its default settings.

■ Standard: Selects the normal sound mode.

■ Clear Voice: Emphasizes voices over other sounds.

■ Music: Emphasizes music over voices.

and HDMI (480i / 1080i)

Picture Off

Picture Reset

Sound Menu

(standard sound mode only)

Mode Tools, ☐

Equalizer

Auto Volume

Speaker Select

External Speaker.

Available in Standard mode only.

signals from all sources and adjusts the picture for optimum quality.

Available in ATV, DTV(interlace), AV, COMPONENT (480i / 1080i)

Selecting a Source

Power Off

HDMI-DVI

Do not plug in opposite or wrong direction. It could

Accessories

Audio

HDMI

USB

Optical

Installing the stand

TV Controller (Panel Key)

Mode Tools₁

/ Tint (G/R)

up. and down.

- Select your preferred picture type.
- Add / Delete: Delete or add a channel to display the channels you
- A gray-colored channel indicates the channel has been deleted.
- Delete a channel from the Added Channels or Favorite menu in the same manner.
- Timer Viewing: You can set a desired channel to be displayed automatically at the set time; even when you are watching another channel. Set the current time first to use this function.
- button to view the digital program. If you select the ENTER (3 (Schedule) button on the next program, you can set Timer
- Viewing directly. ■ Channel Name Edit: (analog channels only) Assign your own
- Auto Program: Scans for a channel automatically and stores in the

- Cancel Schedules: Cancel a show you have reserved to watch.
- also change the reservation Information.) ■ Select All / Deselect All: You can select or deselect all channels in
- After all the available channels are stored, it starts to remove scrambled channels. The Auto Program menu then reappears Channel Mode Press the ENTER 🗗 button to stop the channel store during Auto

Change the channel mode directly between ${\bf Added\ Channels}$ and ${\bf Favorite\ Channels}.$ The Favorite Channels is enabled only when you set Add to

2. A message will ask Stop Auto Program?. Select Yes by pressing the Fine Tune

3. Press the ENTER 🗗 button. Other Features

Clear Scrambled Channel

This function filters out scrambled channels after $Auto\ Program$ is completed. This process may take up to 20~30 minutes. Press the ENTER button to stop the Clear Scrambled Channel. This function is only available in Cable mode.

Channel List Channel List Option Menu

Channel List → TOOLS

- Set each channel using the **Channel List** menu options. Option menu items may differ depending on the channel status.
- All deleted channels will be shown on the All Channels menu
- The Add menu only appears for deleted channels.
- Add to Favorite / Delete from Favorite TOOLS : Set channels you watch frequently as Favorites.
- Only memorized channels can be reserved. Reserved programs will be displayed in the Programmed menu When a digital channel is selected, press the ► (Next Program)

- Select All: Select all the channels in the channel list. ■ Deselect All: Deselect all the selected channels.
- You can only select Deselect All when one or more channels

Programmed (in Channel List)

Channel List → Programmed → TOOLS ☐

- Change Info: Change a show you have reserved to watch.
- Information: Display a show you have reserved to watch. (You can

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

To reset the fine-tuning, select Reset.

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

channel banner.

- Motion Lighting (Off / On): Reduce power consumption by brightness
- When connecting a PC, you can only select **Entertain** and **Standard**. ■ Dynamic: Suitable for a bright room.
- Standard: Suitable for a normal environme ■ Movie: Suitable for watching movies in a dark room.

■ Entertain: Suitable for watching movies and games. Only available when connecting a PC. Backlight / Contrast / Brightness / Sharpness / Color

Reset Picture Mode: Returns all picture values in the currently selected mode to the default settings. Your television has several setting options for picture quality control When connecting a PC, you can only make changes to Backlight Contrast, Brightness and Sharpness.

Picture Options

- When connecting a PC, you can only make changes to the Color Tone, Size, and HDMI Black Level. Color Tone
- Warm will be deactivated when the picture mode is Dynamic ■ Movie: Provides the best sound for movies. ■ Size: Your cable box/satellite receiver may have its own set of screen sizes as well. However, we highly recommend you use 16:9 mode
- most of the time. The menu is deactivated, when the H. 264 (1080n) DTV is being
- 16:9: Sets the picture to 16:9 wide mode. Zoom1: Use for moderate magnification.
- Zoom2: Use for a stronger magnification. Wide Fit: Enlarges the aspect ratio of the picture to fit the entire 4:3: Sets the picture to basic (4:3) mode.
- Do not watch in 4:3 format for a long time. Traces of borders displayed on the left, right and center of the screen may cause Screen Fit: (DTV) Displays the full image without any cut-off when
- HDMI (720p / 1080i / 1080p) or Component (1080i / 1080p) signals Custom: Magnifies or shrinks 16:9 pictures vertically and/or horizontally. A magnified or shrunk picture can be moved left, right,
- HD (High Definition): 16:9 1080i/1080p (1920x1080), 720p Settings can be adjusted and stored for each external device you
- have connected to an input on the TV.

 Picture Sizes available by Input Source: Input Source ATV, AV, Component (480i, 480p) 16:9, Zoom1, Zoom2, 4:3
- Digital Clean View: 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 other options until the best picture

080p), HDMI (720p, 1080i, 1080p) 16:9, Wide Fit, 4:3, Screen Fit

- HDMI Black Level: Selects the black level on the screen to adjust the Available only in HDMI mode (RGB signals).
- Multi-Track Sound (MTS) (analog channels only)

Preferred Language

program into foreign languages).

(digital channels only)

- Mono: Choose for channels that are broadcasting in mono or if you are having difficulty receiving a stereo signal.
- Stereo: Choose for channels that are broadcasting in stereo.
- SAP: Choose to listen to the Separate Audio Program, which is isually a foreign-language translation.
- Depending on the program being broadcast, you can listen to Mono, Stereo or SAP.

date, request an upgrade.

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

may not display or a connection error may occur.

• PC/DVI AUDIO IN input is not supported

Be sure to purchase a certified HDMI cable. Otherwise, the picture

- If you connect an external device to the TV that uses an older version Connecting through the HDMI cable may not be supported
- of HDMI, the video and audio may not work. If this occurs, ask the manufacturer of the device about the HDMI version and, if it is out of fan HDMI to DVI cable is connected to the HDMI IN 2 (DVI) port,

 - the audio does not work. For Set-top box connection using HDMI cable, we highly
 - recommend you to connect the HDMI IN1 (STB) port

PC HDMI to DVI Cable. Use the Blu-ray player / DVD / cable box / sat box - Media Play AV Device (1) Using a USB Drive Using an HDMI Cable (up to 1080p) TV Rear Panel DIGITAL AUDIO OUT (OPTICAL) HDMI IN 1 (STB) HDMI IN 2 (DVI) USB ← (5V 0.5A) ANT IN **O** Power Input Digital Audio Syster Audio Device Using an Optical (Digital) VHF/UHF Ant AV Device (3) AV Device (2) Jsing a Component Using Audio/Video

Use to select TV or an external input source such as a DVD player / Bluray player / cable box / STB satellite receiver.

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

Edit Name lets you associate a device name to an input source. To access Edit Name, press the TOOLS button in Source List. Name the device connected to the input jacks to make your input source selection

How to use Edit Name

- When connecting a PC to the HDMI IN 2(DVI) port with HDMI cable,
- when connecting a PC to the HDMI IN 2(DVI) port with HDMI cable, you should set the TV to PC mode under Edit Name.

 When connecting a PC to the HDMI IN 2(DVI) port with HDMI to DVI cable, you should set the TV to DVI PC mode under Edit Name.

 When connecting an AV devices to the HDMI IN 2(DVI) port with HDMI to DVI cable, you should set the TV to DVI mode under Edit

Information

You can see detailed information about the connected external device.

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. Three different on / off timer settings can be made. You must set the

- Audio Format (PCM/Dolby Digital): You can select the Digital Audio output (SPDIF) format. The available Digital Audio output format set to Activate.)
 - Volume: Set the desired volume level.
 - TV/USB: Select TV or USB. (Make sure that an USB device is
 - connected to your TV.)
- 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 Channel: Select the desired channel.
 Music/Photo: Select the folder containing MP3/JPEG files on the an AV receiver. When you select **Audio Delay**, a slider appears. Use the left and right arrow buttons to adjust the slider. Press ENTER 🗗
 - USB device. The maximum displayed number of files, including sub folders,
 - lower than USB 2.0. ■ Repeat: Select Once, Everyday, Mon~Fri, Mon~Sat, Sat~Sun or

■ HDMI Audio Format (PCM/Bitstream): Set the audio input signal format suitable for the external device connected to the TV's HDMI When connecting to a game console such as $PlayStation^{TM}$ or $Xbox^{TM}$,

- - Precautions and limitations for game mode To disconnect the game console and connect another external
 - Game Mode is not available when the input source is set to TV. After connecting the game console, set Game Mode to On. Unfortunately, you may notice reduced picture quality.

The **Program Rating Lock** feature automatically locks out programs

Program Rating Lock

that are deemed inappropriate for children. The user must enter a PIN (personal identification number) before any of the Program Rating Lock restrictions are set up or changed. 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". ■ Program Rating Lock: You can block rated TV Programs. The current time will appear every time you press the INFO button.

■ TV Parental Guidelines: You can block TV programs depending on their rating. This function allows you to control what your children ■ MPAA Rating: You can block movies depending on their MPAA rating

information on which films are appropriate for children. ■ Canadian English: You can block TV programs depending on their

DST: (Daylight Saving Time) Switches the DST (Daylight Saving Time

the OK button. The TV has memorized your new PIN. If you forget the PIN, press the remote-control buttons in the

following sequence, which resets the pin to "0-0-0-0": POWER (off) \rightarrow MUTE \rightarrow 8 \rightarrow 2 \rightarrow 4 \rightarrow POWER (on)

Changing the Input Source

Source List

SPDIF Output

- Press the SOURCE button. Select a desired external input source
- You can only choose external devices that are connected to the TV. In the Source List, connected inputs will be highlighted.

may differ depending on the input source.

when done (0ms ~ 250ms).

Dolby Digital Compression

Set Dolby Digital compression mode

Visual Impaired

(digital channels only)

HDMI Audio Format

Sound Reset

Plug & Play

Language

Time

Set the menu language

Sleep Timer TOOLS

□ Setting the Time

Time Zone: Select your time zone.

90 120 150 and 180 minutes)

To cancel the Sleep Timer, select Off.

By connecting the TV to a receiver or home theater with Dolby

Adds verbal description to the main audio to help the visually impaired.

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

Choose between English, Español, and Français.

ne Plug & Play initial setup procedu

■ Clock: Setting the clock is for using various timer features of the TV.

Clock Mode: Set the current time manually or automatically

Available only when Clock Mode is set to Manual.

Clock Set: Set the Month, Day, Year, Hour, Minute and am/pm.

DST and Time Zone function is only available when the Clock

Automatically shuts off the TV after a preset period of time. (30, 60,

If you disconnect the power cord, you have to set the clock again.

- Timer1/Timer2/Timer3
 - On Time / Off Time: Set the hour, minute, am/pm and Activate / Inactivate. (To activate the timer with the setting you have chosen,
- Contents: When the On Time is activated, you can turn on a specific Digital and 5.1ch speakers and selecting Dolby Digital, you can maximize your interactive 3D sound experience. channel or play back contents such as photo or audio files.
 - Antenna: Displays the current antenna source.
 - in one folder of USB storage device is 2000. The media may not be playing smoothly when using the device

Manual to set at you convenience. If you select Manual, you can set up the day you want to activate the timer.

Other Features Game Mode

- you can enjoy a more realistic gaming experience by selecting the
- device, set Game Mode to Off in the setup menu.

 If you display the TV menu in Game Mode, the screen shakes

The Motion Picture Association of America (MPAA) has implemente a rating system that provides parents or guardians with advanced

■ Canadian French: You can block TV programs depending on their

Downloadable U.S. Rating: Parental restriction information can be used while watching DTV channels. ■ Change PIN: The Change PIN screen will appear. Choose any 4 digits for your PIN and enter it in Enter New PIN. Re-enter the same 4 digits in Confirm New PIN. When the Change PIN screen disappears, press

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

The Caption feature does not work in Component or HDMI mode ■ Caption Mode: You can select the desired caption mode. Default / CC1~CC4 / Text1~Text4: (analog channels only) The Analog Caption function operates in either analog TV channel mode or when a signal is supplied from an external device to the TV. (Depending on

the broadcasting signal, the Analog Caption function may or may not

work with digital channels.) Default / Service1~Service6 / CC1~CC4 / Text1~Text4: (digital channels only) The Digital Captions function works with digital

Service1~6 may not be available in digital caption mode depending on the broadcast. ■ Digital Caption Options: (Digital channels only)

Size: Options include Default, Small, Standard, Large, and Extra large. The default is Standard. Font Style: Options include Default and Styles 0 to 7. The default is

Foreground Color: Options include Default, White, Black, Red, Green, Blue, Yellow, Magenta, and Cyan. You can change the color of the

letters. The default is White. Background Color: Options include Default, White, Black, Red. Green, Blue, Yellow, Magenta, and Cyan. You can change the background color of the captions. The default is Black. Window Color: Options include Default, White, Black, Red, Green,

Blue, Yellow, Magenta, Cyan. Default is Black. Foreground Opacity: This adjusts the opacity of text. Options include Default. Transparent, Translucent, Solid, and Flashing. Background Opacity: This adjusts the opacity of the captio background. Options include Default, Transparent, Translucent, Solid, and Flashing.

Window Opacity: This refers caption to window background, not character background. Options include Default, Transparent, Translucent, Solid, Flashing. Default is Transparent. Edge Type: Options include No Edge, Raised, Depressed, Uniform, Drop Shadow. Default is No Edge.

Edge Color: Options include Default, White, Black, Red, Green, Blue Yellow, Magenta, Cyan. Default is White. Return to Default: This option sets Size, Font Style, Foreground Color, Background Color, Window Color, Foreground Opacity, Background Opacity, Window Opacity, Edge Type, and Edge Color to

Digital Caption Options are available only when you can select Default and Service1 ~ Service6 in Caption Mode The Foreground and Background cannot be set to the same

Boot Logo

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

Eco Solution

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

No Signal Power Off (Off /15 min / 30 min / 60 min). Sets how quickly the TV switches to standby mode, if no picture is being

Disabled when the PC is in power saving mode Auto Power Off (off/on): The TV will be automatically turned off when no user operation is received for 4 hours.

Auto Protection Time

■ Auto Protection Time (Off / 2 hours / 4 hours / 8 hours / 10 hours): If the screen remains idle with a still image for a certain period of time defined by the user, the screen saver is activated to prevent the formation of ghost images on the screen.

Self Diagnosis ■ Picture Test: Use to check for picture problems. If the problem

tinues to occur, check the color pattern. ■ Sound Test: Use the built-in melody sound to check for sound

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

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

Software Upgrade

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

Use Mode $\mathsf{MENU} \blacksquare \to \mathsf{Support} \to \mathsf{Use} \ \mathsf{Mode} \to \mathsf{ENTER} \ \blacksquare$

Select the Use Mode suitable for your place. We strongly recommend you select **Home Use**.

will be reset every 5 minutes.

• Home Use: Home Use is the default setting. Store Demo: Store Demo is for retail environments only. If you select Store Demo, some functions will not work, and the picture settings

HD Connection Guide

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

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

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

☐ Using the Media Play

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



Turn on your TV.

- 2. Connect a USB device containing photo, music and movie files to the USB jack on the back of the TV.
- 3. When USB is connected to the TV, you can select Media Play (USB) in

Using the Media Play Menu

- Press the MENU button. Press the lacktriangle or lacktriangle button to select Applications, then press the ENTER & button
- 2. Press the ▲ or ▼ button to select Media Play (USB), then press the
- 3. Press the ◀ or ▶ button to select an icon (Videos, Music, Photos, Settings), then press the ENTER ☐ button.
- It might not work properly with unlicensed multimedia files.
 Need-to-Know List before using Media Play (USB)
- Supported file systems are FAT and NTFS.
 Certain types of USB Digital camera and audio devices may not e 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 Reader 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 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
- Do not disconnect the USB device while it is loading.
- The higher the resolution of the image, the longer it takes to display on the screen.
- The maximum supported JPEG resolution is 15360 x 8640 pixels. If a file is corrupted or the TV does not support the file type, the "Not Supported File Format" message appears.
- The TV cannot play MP3 files with DRM that have been downloaded from a for-pay site. Digital Rights Management (DRM) is a technology that supports the creation, distribution, and management of digital content in an integrated and comprehensive way, including protecting the rights and interests of content providers, preventing illegal copying of contents, and managing billings and settlements.
- PTP device is not supported.
- If the TV has no input during the time set in **Auto Protection**
- Time, the Screensaver will run. If you use a USB extension cable, the TV may not recognize the USB device or may not be able to read the files on the device.
- If a USB device connected to the TV is not recognized, the list of files on the device is corrupted, or a file in the list is not played, connect the USB device to a PC, format the device, and check the
- If a file you deleted from the PC is still found when you run Media

No Caption on digital channels.

small block, dots, pixelization.

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

The remote control does not work.

There is a plastic smell from the TV

The cable/set top box remote control does not turn the TV on or off, or adjust

Others

- Play, use the "Empty the Recycle Bin" function on the PC to permanently delete the file. Photos only supports sequential jpeg format.
 The scene search and thumbnail functions are not supported in
- the Videos. • If the number of files and folders saved on a USB storage device is approximately over 4000, the files and folders may not appear
- and some folders may not be opened. • 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.

- Press the ◀/▶ buttons to select Videos, then press the ENTER ☐
 button in the Media Play menu.
- 2. Press the ◀/▶/▲/▼ buttons to select the desired video in the file
- 3. Press the ENTER → button or ▶ (Play) button.
- The selected file is displayed on the top with its playing time
- If video time information is unknown, playing time and the progress bar are not displayed.
- During video playback, you can search using the ◄/► buttons. 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	Station Alpha .ass			
- Internal				
Name	(ontainer	Format	

	Name	Container	Format			
	Xsub	AVI	Picture Format			
	SubStation Alpha	MKV	Text Format			
	Advanced SubStation Alpha	MKV	Text Format			
	SubRip	MKV	Text Format			
	MPEG-4 Timed text MP4 Text Format					
up	ported Video Formats					

File xtension	Container	Video Codec	Resolution	Frame rate(fps)	Bit rate(Mbps)	Audio Codec
		H264	1920x1080	6~30	20Mbps	MP3 /
*.mp4	MP4	VC-1	1920x1080	6-30	20Mbps	ADPCM /
		MJPEG	640x480	6-30	10Mbps	AAC
		MPEG 1/2/4	1920x1080	6~30	20Mbps	MP3 / AC3
"*.avi *.mkv"	"AVI MKV"	H264	1920x1080	6-30	20Mbps	/ LPCM / ADPCM
		MJPEG	640x480	6-30	10Mbps	ADPCM
		MPEG 1/2/4	1920x1080	6-30	20Mbps	MP3 / AC3 / LPCM /
"*.asf *.wmv" As	ASF	H.264	1920x1080	6-30	20Mbps	ADPCM /WMA/ WMA Pro
"*.ts *.trp	TS	MPEG2 -TS	1920x1080	6-30	20Mbps	AC3 / AAC / MP3 /
*.tp	13	H. 264	1920x1080	6-30	20Mbps	DD+
"*.dat		MPEG1	1920x1080	6-30	20Mbps	AC3/
*.mpg *.mpeg	PS	MPEG2	1920x1080	6-30	20Mbps	MPEG / LPCM /
*.vob"		H. 264	1920x1080	6-30	20Mbps	AAC
*.3qp	3GPP	MPEG 1/2/4	1920x1080	6-30	20Mbps	MP3
3gp	JGPP	H.264	1920x1080	6-30	20Mbps	MPS
	flash	H.264	1920x1080	6-30	20Mbps	
*.flv	formats	Sorenson H.263	1920x1080	6~30	20Mbps	MP3

the content or the contain

- Video content will not play, or not play correctly, if there is an error in CMYK and YCCK Color space JPEGs are not supported.
- Sound or video may not work if the contents have a standard bit rate/ frame rate above the compatible Frame/sec listed in the table above.

 Playing selected video/music/photo files
- If the Index Table is in error, the Seek (Jump) function is not supported.
- Video content can not be played, if there are many contents in one
- This product does not support DivX and DTS codecs

2. Press the ◀/▶/▲/▼ buttons to select the desired Music in the file

Type

MPEG

wav

1. Press the **◄/▶** buttons to select **Photos**, then press the ENTER **蛋**

2. Press the </▶/▲/▼ buttons to select the desired photo in the file

- While a photo list is displayed, press the 🕟 (Play) / ENTER 🗗

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

During the slide show, you can adjust the slide show speed using

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

button on the remote control to start the slide show.

- During the slide show, files are displayed in order.

You can move to other file using the **◄/▶** buttons.

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

Photo

Base-line

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

(REW) or ►► (FF) button.

Background Music is set to On.

 Supported Photo Formats Image

Codec

MPEG1 Audio Layer 3

wav

Resolution 15360 x 8704

1024 x 768

H.263 is not supported. GMC is not support. WMA Lossless is not supported.
--

Press the ENTER → button or (Play) button.

cause a sound problem.)

• Supported Music file Formats

File Extension

*.mp3

*.wav

Photos

NOTE

1. Press the **◄/▶** buttons to select **Music**, then press the ENTER **!** button in the Media Play menu.

	AVI	Picture Format
	MKV	Text Format
Alpha	MKV	Text Format
	MKV	Text Format
+	MD4	Tout Format

P P						
File xtension	Container	Video Codec	Resolution	Frame rate(fps)	Bit rate(Mbps)	Audio Codec
		H264	1920x1080	6~30	20Mbps	MP3 /
*.mp4	MP4	VC-1	1920x1080	6~30	20Mbps	ADPCM /
		MJPEG	640x480	6-30	10Mbps	AAC
		MPEG 1/2/4	1920x1080	6~30	20Mbps	MP3 / AC3
"*.avi *.mkv"	"AVI MKV"	H264	1920x1080	6~30	20Mbps	/ LPCM / ADPCM
		MJPEG	640x480	6~30	10Mbps	ADPCM
		MPEG 1/2/4	1920x1080	6~30	20Mbps	MP3 / AC3 / LPCM /
"*.asf *.wmv"	ASF	H.264	1920x1080	6~30	20Mbps	ADPCM /WMA/ WMA Pro
"*.ts *.trp	TS	MPEG2 -TS	1920x1080	6-30	20Mbps	AC3 / AAC / MP3 /
*.trp	15	H. 264	1920x1080	6~30	20Mbps	DD+
"*.dat		MPEG1	1920x1080	6~30	20Mbps	AC3 /
*.mpg *.mpeg	PS	MPEG2	1920x1080	6~30	20Mbps	MPEG / LPCM /
*.vob"		H. 264	1920x1080	6~30	20Mbps	AAC
*.3qp	3GPP	MPEG 1/2/4	1920x1080	6~30	20Mbps	MP3
gp	JGPP	H.264	1920x1080	6~30	20Mbps	MP3
	flash	H.264	1920x1080	6~30	20Mbps	
*.flv	formats	Sorenson	1920x1080	6~30	20Mbps	MP3

- The menu may take longer to appear if the video's bit rate exceeds

Picture Format	 Press the ENTER → button or (Play) button.
Text Format	During music playback, you can search using the ◄/► buttons
Text Format	(REW) and (FF) buttons do not function during play.
Text Format	Media Play only displays files with MP3 and PCM file extension. Other file extensions are not displayed, even if they are saved on
Text Format	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

ile ension	Container	Video Codec	Resolution	Frame rate(fps)	Bit rate(Mbps)	Audio Codec
		H264	1920x1080	6-30	20Mbps	MP3 /
mp4	MP4	VC-1	1920x1080	6-30	20Mbps	ADPCM / AAC
		MJPEG	640x480	6-30	10Mbps	AAC
		MPEG 1/2/4	1920x1080	6~30	20Mbps	MP3 / AC3
*.avi mkv"	"AVI MKV"	H264	1920x1080	6-30	20Mbps	/ LPCM / ADPCM
		MJPEG	640x480	6-30	10Mbps	ADPCM
		MPEG 1/2/4	1920x1080	6-30	20Mbps	MP3 / AC3 / LPCM /
*.asf ASF wmv"	H.264	1920x1080	6-30	20Mbps	ADPCM /WMA/ WMA Pro	
*.ts	TS	MPEG2 -TS	1920x1080	6-30	20Mbps	AC3 / AAC / MP3 /
ttp.	15	H. 264	1920x1080	6-30	20Mbps	DD+
dat.		MPEG1	1920x1080	6-30	20Mbps	AC3/
mpg mpeg	PS	MPEG2	1920x1080	6-30	20Mbps	MPEG / LPCM /
vob"		H. 264	1920x1080	6-30	20Mbps	AAC
.3gp	3GPP	MPEG 1/2/4	1920x1080	6~30	20Mbps	MP3
эур	Jupp	H.264	1920x1080	6~30	20Mbps	1416.2

Videos Music Photos

- 1. On the File List screen, highlight a file, and then press the Yellow button on your remote.
- Repeat Step 1 to select multiple files
- The \checkmark mark appears to the left of the selected files.
- To cancel a selection, press the Yellow button again. o deselect all selected files, press the TOOLS button, select
- Deselect All, and then the ENTER & button.
- Press the TOOLS button, and then select Play Selected Contents, and then press the ENTER button.
- Playing the video/music/photo file group
- With the folders on your USB device displayed, use the ◀/▶/▲/▼ buttons to highlight a folder.
- 2. Press the TOOLS button, and then select Play Folder, and then press the ENTER 🚭 button.

Media Play - Additional Functions ■ Videos/Music/Photos Play Option menus

Category Operation

When playing a file, press the TOOLS button

	Title	You can move the other file directly.	~			
	Repeat Mode	You can play movie and music files repeatedly.	~	~		
	Picture Size	You can adjust the picture size to your preference.	~			
	Picture Mode	You can adjust the picture setting.	~		✓	
	Sound Mode	You can adjust the sound setting.	~	~	✓	
	Subtitle Settings	You can play the video with Subtitles. This function only works if the subtitles are the same file name as the video.	~			
_	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.			~	
	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.	~	~	~	

Using the Setup Menu

This mode provides optimised condition for watching sports games.

Sports Mode

☐ Using the Sports Mode

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

■ Information: Select to view information on the connected device.

Other Information

Installing the Wall Mount Kit

The wall mount kit (sold separately) allows you to mount the TV on the For detailed information on 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 mount on your own

Wall Mount Kit Specifications (VESA)

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 Since the necessary clamps, screws, and string are not supplied, please purchase these additionally. result in severe personal injury. Drive the screws into the clamps and firmly fasten them onto the wall. Make sure the screws are firmly fixed into the wall. 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.
- connections for any sign of fatigue or failure. If you have any doubt about the security of your connections, contact a professional Do not use screws that are longer than the standard dimension or do not comply with the VESA standard screw specifications.
- Screws that are too long may cause damage to the inside of the
- For wall mounts that do not comply with the VESA standard screw specifications, the length of the screws may differ depending on the wall mount specifications.
- Do not fasten the screws too firmly. This may damage the product or cause the product to fall, leading to personal injury. Samsung is not liable for these kinds of accidents. Kensington Lock
- 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 inst
- Please find a "d" icon on the rear of the TV. The Kensington slot is • Do not mount the TV at more than a 15 degree tilt. Always have two people mount the TV on a wall.





Troubleshooting If the TV seems to have a problem, first review this list of possible problems and solutions. 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 efficient features like the Eco Sensor or the Energy Saving feature. If you follow below step with your remote, you can turn these features off or on. ■ Energy Saving: MENU → Setup → Eco Solution → Energy Saving
Component Connections /	If you find that the color on your Samsung television's screen is not correct or black and White, first run a Self Diagnosis or
Screen Color	the TV to make sure there are no device issues.
	Self Diagnosis : MENU → Support → Self Diagnosis → Picture Test
	If the test is ok, try making sure: • Your connections are all consistent. For example, if you've used the AV In jack on your TV, make sure you have used the AV In jack on your TV, make sure you have used the AV In jack on your TV.
	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, at Y, to connect your TV and video source, make sure you have connected the blue Pb jack on the video source to the blue F jack on the TV, the red Priack on the red Priack on the TV.
Screen Brightness	If you find that the colors on your Samsung TV are correct but just a little too dark or bright, there are some settings you
-	should check before calling for a repair.
	Backlight, Contrast, Brightness, Sharpness, Color, Tint (G/R) and so on. Go in to "Picture" on user Menu then try adjusti options mentioned above.
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 you Sleep Timer is not accidentally set. The sleep timer allows you the comfort of falling asleep with the still on but, turns it off after a certain period of time so as not to waste energy.
	Sleep Timer: MENU → Setup → Time → Sleep Timer
	If the Sleep Timer is not activated, you may have engaged the No Signal Power Off or Auto Power Off feature.
	• No Signal Power Off : $MENU \rightarrow Setup \rightarrow Eco Solution \rightarrow No Signal Power Off$
	Auto Power Off : MENU → Setup → Eco Solution → Auto Power Off
Trouble Powering On	Before Turn on check red light on the right or left bottom of your TV. Press power on button on TV or remote and it will blink about 5 times before turning on.
	If you find that you are having trouble powering on your Samsung television, there are a number of things to check before making a call to the service department.
	If you happen to be using the TV as a monitor and the stand-by light only blinks for a few seconds when you press the power button, your PC is in sleep mode. To take your PC out of sleep mode, press a key on your keyboard or move the mouse. Then try turning your TV on.
	If you're sure your power cord, remote control, and PC are functioning properly, you may be having a cable issue. If you ha 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 t 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.
Cannot find channel	Re-run plug and play.
Poor picture	First, perform the Picture Test and to see if your TV is properly displaying the test image.
·	Go to MENU - Support - Self Diagnosis - Picture Test
	If the test image is properly displayed, the poor picture may be caused by the source or signal.
The TV image does not look as good as 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 performing Auto program.
	 Many HD channels are up scaled from SD(Standard Definition) contents. Adjust the Cable/Set top box video output resolution to 1080i or 720p.
The picture is distorted: macroblock error, small block, dots, pixelization.	Compression of video contents may cause picture distortion, especially on fast moving pictures such as sports and actimovies.
	A weak signal can cause picture distortion. This is not a TV problem.
	Mobile phones used close to the TV (within 3.3ft) may cause noise in the picture on analog and digital channels.
Color is wrong or missing.	If you're using a component connection, make sure the component cables are connected to the correct jacks. Incorrect or loose connections may cause color problems or a blank screen.
There is poor color or brightness.	Adjust the Picture options in the TV menu. (Go to Picture Mode / Color / Brightness / Sharpness)
	Adjust the Energy Saving option in the TV menu. (Go to MENU - Setup - Eco Solution - Energy Saving)
	Try resetting the picture to view the default picture setting. (Go to MENU - Picture - Picture Reset)
There is a dotted line on the edge of the	If the picture size is set to Screen Fit, change it to 16:9.
screen.	Change the cable/satellite box resolution.

If you are using an AV composite input, connect the video cable (yellow) to the Green jack of component input on the TV. The picture is black and white · If connected to a cable box, please try to reset it. (Reconnect the AC cord and wait until the cable box reboots. It may take When changing channels, the picture reezes or is distorted or delayed • Set the output resolution of the cable box to 1080i or 720p. First of all, please perform the ${\bf Sound\ Test}$ to confirm that your TV audio is properly operating. (Go to MENU - Support - Self Diagnosis - Sound Test) If the audio is OK, the sound problem may caused by the source or signal. There is no sound or the sound is too low at | Please check the volume of the device (Cable/Sat Box, DVD, Blu-ray, etc.) connected to your TV. If it doesn't work, please restart your device. If you are using an external device, check the device's audio output option (ex. you may need to change your cable box's audio option to HDMI when you have a HDMI connected to your TV). The picture is good but there is no sound. • Reboot the connected device by reconnecting the device's power cable. The speakers are making an inappropriate • Check the cable connections. Make sure a video cable is not connected to an audio input. • For Antenna or Cable connections, check the signal information. A weak signal may cause sound distortion Perform the Sound Test as explained above. No Picture, No Video The TV will not turn on. Make sure the AC power cord is securely plugged into the wall outlet and the TV. Make sure the wall outlet is working.

Try pressing the POWER button on the TV to make sure the problem is not the remote. If the TV turns on, refer to 'Remote control does not work' below • Ensure the Sleep Timer is set to Off in the Time menu. The TV turns off automatically. If your PC is connected to the TV, check your PC power settings Make sure the AC power cord is plugged in securely to the wall outlet and the TV. • When you are watching TV connected to an antenna or cable connection, the TV will turn off after 10 - 15 minutes if there There is no picture/video. · Check the cable connections. (Remove and reconnect all cables connected to the TV and external devices). Set your external device's (Cable/Sat Box, DVD, Blu-ray etc) video outputs to match the connections to the TV input. For example, if an external device's output is HDMI, it should be connected to an HDMI input on the TV. Make sure your connected devices are powered on.
 Be sure to select the TV's correct source by pressing the SOURCE button on the remote control. Reboot the connected device by reconnecting the device's power cable. RF(Cable/Antenna) Connection Make sure the coaxial cable is connected securely. The TV is not receiving all channels.

The picture is distorted: macroblock, error, 📗 • Compression of video contents may cause picture distortion. Especially on fast moving pictures such as sports and action

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

The picture will not display in full screen. • HD channels will have black bars on either side of the screen when displaying up scaled SD (4:3) contents.

 $\bullet\,$ Replace the remote control batteries with correct polarity (+/–). Clean the transmission window located on the top of the remote control. Try pointing the remote directly at the TV from 5~6 feet away.

Caption must be activated on the external device.

This smell is normal and will dissipate over time. V Signal Strength is unavailable in the Self | This function is only available for digital channels from an Antenna / RF / Coax connection

A "Mode Not Supported" message appears. Check the supported resolution of the TV and adjust the external device's output resolution accordingly. Refer to resolution

Verify the antenna is positioned correctly.

Some channels may not have caption data.

Please try Auto Program to add available channels to the channel list. go to MENU - Channel - Auto Program then select Auto and make sure the correct Cable TV signal type is set in the menu. There are 3 options. (STD, HRC and IRC)

Remove the left and right audio connections from the set-top-box. If the buzzing stops, this indicates that the set-top-box has a grounding issue. Replace the Component video cables with an HDMI connection.

Program the Cable/Set top box remote control to operate the TV. Refer to the Cable/Set top box user manual for the SAMSUNG TV code.

settings in this manual.

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

Black bars on the Top & Bottom will be shown on movies that have aspect ratios different from your TV.

Adjust the picture size option on your external device or change the TV to full screen.

TV is tilted to the right or left side. Remove the stand base from the TV and reassemble it. The Channel menu is only available when you select the TV source The Channel menu is greyed out (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 TV mode, go to MENU → Setup → Plug & Play → ENTER ③. Your settings are lost after 5 minutes or every time the TV is turned off. You have intermittent loss of audio or Check the cable connections and reconnect them. Loss of audio or video can be caused by using overly rigid or thick cables. Make sure the cables are flexible enough for long erm use. If mounting the TV to the wall, we recommend using cables with 90 degree connectors. You see small particles when you look This is part of the product's design and is not a defect. POP (TV's internal banner ad) appears on Select Home Use under Plug & Play mode. For details, refer to Plug & Play (Initial Setup)

This TFT LED panel uses a panel consisting of sub pixels which require sophisticated technology to produce. However, there may be a few bright or dark pixels on the screen. These pixels will have no impact on the performance of the product.

Some functions and pictures shown in this manual are available on specific models only. $^{\circ}$ You can keep your TV as optimum condition to upgrade the latest firmware on web site (samsung.com \rightarrow Support \rightarrow Downloads) by USB.

Storage and Maintenance

🔍 If you attached some stickers on the TV screen, it remains some debris after removing the sticker. Please clean it to watch TV. 🦠 The exterior and screen of the product can get scratched during cleaning. Be sure to wipe the exterior and screen carefully using a soft cloth to prevent scratches



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

To send inquiries and requests for questions regarding open sources, contact Samsung Open Source (http://opensource.samsung.com)



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

DOLBY AUDIO Manufactured under license from Dolby Laboratories. Dolby, Dolby Audio, Pro Logic, and the double-D symbol are trademarks of Dolby Laboratories.

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nvironmental Consideration perating Temperature

system optimizes the product settings. Product installation takes place automatically. However, you can customize the installation settings

Due to the nature of the manufacturing of this product, approximately 1 pixel per million (1ppm) may be brighter or darker on the LCD panel.

For detailed device specifications, visit the Samsung website.

23,6 75,0 X 75,0 LED-TV 5,8~8,8 mn Do not install your Wall Mount Kit while your TV is turned on. It may result in personal injury due to electric shock.

Securing the TV to the Wall

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

To prevent the TV from falling

Remove the screws from the back center of the TV, put the screws

into the clamps, and then fasten the screws onto the TV again 3. Connect the clamps fixed onto the TV and the clamps fixed onto the

wall with a strong cable and then tie the string tightly Verify all connections are properly secured. Periodically check the

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

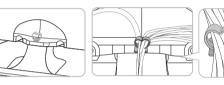
It is safe to connect the string so that the clamps fixed on the wall are equal to or lower than the clamps fixed on the TV. Untie the string before moving the TV.

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

beside the "₪" icon The position and color may differ depending on the model.

Assembling the Cable manager



50°F to 104°F (10°C to 40°C) 10% to 80%, non-condensing -4°F to 113°F (-20°C to 45°C) 5% to 95%, non-condensing T24D315NQ Model Name Display Resolution 1366 x 768 Screen Size 24" Class (23,6" measured diagonally (Diagonal) 5W x 2

Plug-and-Play This product can be installed and used with any Plug-and-Play compatible systems. Two-way data exchange between the product and PC

his does not affect product performance. The specifications are subject to change without notice to improve quality