Still image warning

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

· 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

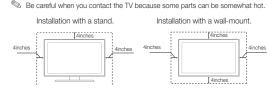
burnout, refer to proper user manual section for details

- Reduce brightness and contrast values to minimum required to achieve desired picture quality, exceeded values may speed up the burnout process.
 Frequently use all TV features designed to reduce image retention and screen

Securing the Installation Space

Keep the required distances between the product and other objects (e.g. walls) to Failing to do so may result in fire or a problem with the product due to an increase in

- he internal temperature of the product. When using a stand or wall-mount, use parts provided by Samsung Electronics If you use parts provided by another manufacturer, it may result in a problem
- with the product or an injury due to the product falling The appearance may differ depending on the product



Comuniquese con SAMSUNG WORLD WIDE

Si desea hacernos alguna pregunta o comentario en relación con los productos de Samsung, comuníquese con nuestro centro de atención al cliente de SAMSUNG.

Country	Customer Care Center 2	Web Site
-		
MEXICO	01-800-SAMSUNG (726-7864) Dirección: General Mariano Escol Anzures Delegación Miguel Hidal	
ARGENTINE	0800-555-SAMSUNG (0800- 555-7267)	www.samsung.com/ar/support
URUGUAY	000-405-437-33	www.samsung.com/latin/support (Spanish) www.samsung.com/latin_en/support (English
PARAGUAY	009-800-542-0001	www.samsung.com/latin/support (Spanish) www.samsung.com/latin_en/support (English
BRAZIL	0800-124-421 (Demais cidades e regiões) 4004-0000 (Capitais e grandes centros)	www.samsung.com/br/support
CHILE	800-SAMSUNG(726-7864)	www.samsung.com/cl/support
BOLIVIA	800-10-7260	www.samsung.com/cl/support
COLOMBIA	Bogotá 600 12 72 Gratis desde cualquier parte del país 01 8000 112 112 ó desde su celular #SAM(726)	www.samsung.com/co/support
COSTA RICA	0-800-507-7267 00-800-1-SAMSUNG (726-7864)	www.samsung.com/latin/support (Spanish) www.samsung.com/latin_en/support (English
DOMINICAN REPUBLIC	1-800-751-2676	www.samsung.com/latin/support (Spanish) www.samsung.com/latin_en/support (English
ECUADOR	1-800-10-7267 1-800-SAMSUNG (72-6786)	www.samsung.com/latin/support (Spanish) www.samsung.com/latin_en/support (English
EL SALVADOR	800-6225 800-0726-7864	www.samsung.com/latin/support (Spanish) www.samsung.com/latin_en/support (English
GUATEMALA	1-800-299-0013 1-800-299-0033	www.samsung.com/latin/support (Spanish) www.samsung.com/latin_en/support (English
HONDURAS	800-2791-9267 800-2791-9111	www.samsung.com/latin/support (Spanish) www.samsung.com/latin_en/support (English
JAMAICA	1-800-234-7267 1-800-SAMSUNG (726-7864)	www.samsung.com/latin_en/support (English
NICARAGUA	001-800-5077267	www.samsung.com/latin/support (Spanish) www.samsung.com/latin_en/support (English
PANAMA	800-7267 800-0101	www.samsung.com/latin/support (Spanish) www.samsung.com/latin_en/support (English
PERU	0800-777-08	www.samsung.com/pe/support
PUERTO RICO	1-800-682-3180	www.samsung.com/latin/support (Spanish) www.samsung.com/latin_en/support (English
TRINIDAD & TOBAGO	1-800-SAMSUNG (726-7864)	www.samsung.com/latin/support (Spanish) www.samsung.com/latin_en/support (English
VENEZUELA	0-800-SAMSUNG (726-7864)	www.samsung.com/ve/support

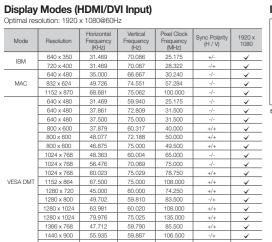
(Sólo Mexico) IMPORTADO POR : SAMSUNG ELECTRONICS MÉXICO S.A. DE C.V.

- GENERAL MARIANO ESCOBEDO 476 PISO 8 COL. ANZURES, DELEGACIÓN MIGUEL HIDALGO MÉXICO, DISTRITO
- TEL: 01 (55) 5747-5100 / 01 800 726 7864

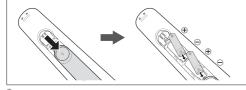
© 2015 Samsung Electronics Co., Ltd. All rights reserved.

Remote Contro Turns the TV on and off. -Displays and selects the available video 1 | 2 | 3 Press to directly access to channels. · 4 | 5 | 6 7 | 8 | 9 Returns to the previous channe O PRE-CH broadcasted by the same station. For example, to ect channel '54-3', press '54', then press '-' and '3 Displays the main on-screen menu Not available. Quickly select frequently used functions. RETURN ▼ EXIT Returns to the previous menu. Exit the menu. Use these buttons according to the direction E-MANUAL: Not available. . (: Turns the Sports Mode on or off. SAMSUNG

- The button names above may differ from the actual names
- Some buttons on the remote control may not be available
- 🦠 This remote control has Braille points on the Power, Channel, Volume, and Enter buttons and can be used by visually impaired persons



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 sign: . The Color and shape may vary depending on the model.

Warning! Important Safety Instructions

Please read the safety instructions below before installing and using the product.

CAUTION

CAUTION: TO REDUCE THE RISK OF ELECTRIC ARE NO USER SERVICEABLE PARTS INSIDE. REFER ALL SERVICING TO QUALIFIED PERSONNEL

RISK OF ELECTRIC SHOCK, DO NOT OPEN



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.



This symbol indicates that important literature concerning operation and maintenance has been included with this product.

- 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 blocked or covered. - Do not cover the slots and openings with a cloth or other materials
- Do not block the slots and openings by placing this apparatus on a bed, sofa, rug or other similar surface.
- Do not place this apparatus in a confined space, such as a bookcase or 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 a vessel containing water (vases etc.) on this apparatus, as this can result in a risk of 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 swimming pool etc.). If this apparatus accidentally gets wet, unplug it and contact an authorized dealer immediately Make sure to pull out the power cord from the outlet before cleaning.
- This apparatus use batteries. In your community, there might be regulations that require you to dispose of these batteries properly to protect the environment. Please contact your local authorities for disposal or recycling information
- 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 routed 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, where connected to adaptors, and at the point where they exit from the apparatus.
- To protect this apparatus from a lightning storm, or when it is 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 the voltage designation of the DC adaptor corresponds to the local
- Never insert anything metallic into the open parts of this apparatus. Doing so may create a danger of electric shock.
- To avoid electric shock, never touch the inside of this apparatus. Only a qualified technician should open this apparatus. • Make sure to plug the power cord in until it is firmly inserted. Pull on the plug, not the cord, when removing the power cord from the outlet. Do
- 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.
- 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
- Be sure to contact an authorized service center, when installing your set in a location with heavy dust, high or low temperatures, high humidity, chemical substances or where it will operate for 24 hours a day such as in an airport, a train station, etc. Failure to do so may cause serious

- Accumulated dust can cause an electric shock, an electric leakage, or a fire by causing the power cord to generate sparks and heat

- Use only a properly grounded plug and receptacle
- An improper ground may cause electric shock or equipment damage. (Class I Equipment only.) • To turn off the apparatus completely, you must pull the power plug out of the wall socket. Consequently, the power plug should be readily
- accessible at all times. . Do not allow children to hang onto the product.
- Store the accessories (batteries, etc.) in a location safely out of the reach of children.
- Do not install the product in an unstable location such as a shaky self, a slanted floor, or a location exposed to vibration.
- Do not drop or impart a shock to the product. If the product is damaged, disconnect the power cord and contact a service center.
- To clean the product, unplug the power cord from the power outlet and wipe the product using a soft cloth dipped in a small amount of water Do not use any chemicals such as wax, benzene, alcohol, thinners, insecticide, air freshener, lubricant or detergent. This may damage the
- appearance or erase the printing on the product. . Do not expose the apparatus to dripping or splashing
- Do not dispose of batteries in a fire.
- There is a danger of explosion if you replace the batteries with the wrong type of battery. Replace only with the same or equivalent type.
- WARNING TO PREVENT THE SPREAD OF FIRE, KEEP CANDLES OR OTHER OPEN FLAMES AWAY FROM THIS PRODUCT AT ALL

□ Seeing Channels

Channel List

Add, delete or set Favorite channels and use the program guide for digital broadcasts. Select a channel in the **All Channels**, **Added** Channels, Favorite or Programmed screen by pressing the ▲/▼ buttons, and pressing the ENTER 🗗 button. Then you can watch the selected channel.

- 🍇 All Channels: Shows all currently available channels
- # Added Channels: Shows all added channels.
- ♥ Favorite: Shows all favorite channels. ■ **⑤** Programmed: Shows all currently reserved programs
- Using the remote control buttons with the Channel List
- Green (Zoom): Enlarges or shrinks a channel number. Yellow (Select): Selects multiple channel lists. Select desired channels and press the Yellow button to set all the selected channels at the same time. The 🗸 mark appears to the left of
- 🞜 (Tools): Displays the Channel List option menu. (The Options

Channel Status Display icons

- \(\sigma : A \) channel selected.
- : A channel set as a Favorite.
- O: A reserved program.
 O: A program currently being broadcast.

■ Memorizing channels

Antenna (Switch to Cable / Switch to Air TOOLS 71) Before your television can begin memorizing the available channels, you must specify the type of signal source that is connected to the TV (i.e. an Air or a Cable system).

Auto Program

When selecting the Cable TV system: Selects the cable system. STD, HRC and IRC identify various types of cable TV systems. Contact your local cable company to identify the type of cable system that exists in your particular area. At this point, the signal

source has been selected. After all the available channels are stored, it starts to remove scrambled channels. The **Auto Program** menu then reappears.

Press the ENTER dutton to stop the channel store during **Auto**

How to Stop Auto Programming

Press the ENTER → button.

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

3. Press the ENTER → button.

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

This function is only available in Cable mode

Channel List

- Set each channel using the **Channel List** menu options. Option menu
- Add / Delete: Delete or add a channel to display the channels you
- All deleted channels will be shown on the All Channels menu
- The **Add** menu only appears for deleted channels.
- the same manner. ■ Add to Favorite / Delete from Favorite TOOLS: Set channels you
- Timer Viewing: You can set a desired channel to be displayed
- channel. Set the current time first to use this function.
- When a digital channel is selected, press the ▶ (Next Program) button to view the digital program. If you select the ENTER ☐ (Schedule) button on the next program, you can set Timer
- Channel Name Edit: (analog channels only) Assign your own
- Select All: Select all the channels in the channel list.
- \blacksquare Auto Program: Scans for a channel automatically and stores in the

(in Channel List)

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

Change the channel mode directly between Added Channels and

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

Other Features

Clear Scrambled Channel

This function filters out scrambled channels after Auto Program is

Press the ENTER button to stop the Clear Scrambled

Channel List Option Menu

Channel List → TOOLS

- tems may differ depending on the channel status.
- A gray-colored channel indicates the channel has been deleted.
- Delete a channel from the Added Channels or Favorite menu in
- vatch frequently as Favorites. automatically at the set time; even when you are watching another
- Only memorized channels can be reserved. Reserved programs will be displayed in the **Programmed** menu.

- Nou can only select Deselect All when one or more channels

Programmed

Channel List → Programmed → TOOLS

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

Channel Mode

Input Source

Getting Started

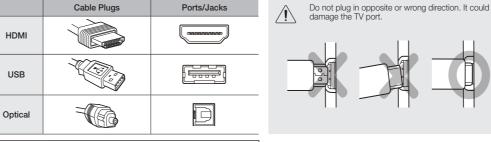
Accessories

• Remote Control & Batteries (AAA x 2) Power Cord Warranty Card / Regulatory Guide Owner's Instructions

Input Cables (Sold Separately)

Audio Composite (AV)	ComponentCoaxial (RF)	HDMI HDMI-DVI	

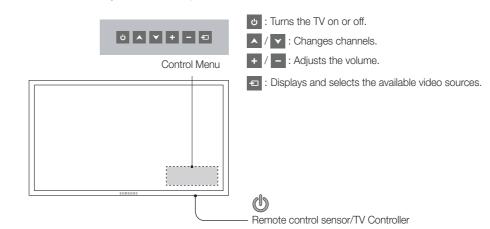
Make sure you have the correct cable before plugging it in. Illustrations of common plugs and jacks are shown below.



TV Controller

The TV's Controller on the bottom right side of the TV, lets you control the TV without the remote control.

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



- The product color and shape may vary depending on the model.
- You cannot input the numbers by pressing the TV's controller.
- If you press it first, the control menu appears. You can select the function by pressing and holding the TV's controller With the TV's Controller, you cannot perform other operations except for turning the TV on or off, changing the channel, adjusting the volume,

and switching the input source. Plug & Play (Initial Setup)

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 ne PÓWER button. Plug & Play is available only when the Input source is set to TV. Set the initial setup following instructions that the TV guides. Connecting the power cord and antenna. (refer to 'Connections')

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 signs is weak or distorted, fine tune the channel manually. $\ensuremath{\,^{\odot}}$ 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 the fine-tuning, select **Reset**.

Picture Menu

- Mode TOOLS 和
- Select your preferred picture type. When connecting a PC, you can only select Entertain and
- Standard. ■ Dynamic: Suitable for a bright room.
- Standard: Suitable for a normal environment ■ 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 / Tint (G/R)

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 one, Size, and HDMI Black Level. ■ Color Tone: Cool makes the picture bluer (cooler). Warm make the
- Size: Your cable box/satellite receiver may have its own set of screen

 Reset: Resets the equalizer to its default settings. sizes as well. However, we highly recommend you use 16:9 mode
- most of the time. The menu is deactivated, when the H. 264 (1080p) DTV is being
- **16:9**: Sets the picture to 16:9 wide mode.

4:3: Sets the picture to basic (4:3) mode.

nave connected to an input on the TV.

Picture Sizes available by Input Source:

- Zoom1: Use for moderate magnification. Zoom2: Use for a stronger magnification. Wide Fit: Enlarges the aspect ratio of the picture to fit the entire
- Do not watch in 4:3 format for a long time. Traces of borders displayed on the left, right and center of the screen may cause image retention (screen burn) which are not covered by the Screen Fit: (DTV) Displays the full image without any cut-off when
- HDMI (720p / 1080i / 1080p) or Component (1080i / 1080p) signals are inputted. HD (High Definition): 16:9 - 1080i/1080p (1920x1080), 720p

Settings can be adjusted and stored for each external device you

ATV, AV, Component (480i, 480p) 16:9, Zoom1, Zoom2, 4:3 DTV (1080i), Component (1080i, 1080p), HDMI (720p, 1080i, 1080p) Custom: Magnifies or shrinks 16:9 pictures vertically and/or horizontally. A magnified or shrunk picture can be moved left, right,

■ Digital Clean View: If the broadcast signal received by your TV is yeak, 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 ■ HDMI Black Level: Selects the black level on the screen to adjust the
- Available only in HDMI mode (RGB signals).
- Film Mode: Sets the TV to automatically sense and process film signals from all sources and adjusts the picture for optimum quality. Available in ATV, DTV(interlace), AV, COMPONENT (480i / 1080i) ■ Motion Lighting (Off / On): Reduce power consumption by

■ Reset Picture Mode: Returns all picture values in the currently

Available in Standard mode only.

- Picture Reset Resets your current picture mode to its default settings.

ted mode to the default settings.

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
- (standard sound mode only) ■ Balance L/R: Adjusts the balance between the right and left speaker.
 - 100Hz / 300Hz / 1kHz / 3kHz / 10kHz (Bandwidth Adjustment): Adjusts the level of specific bandwidth frequencies

DTS TruSurround is a patented DTS technology that solves the problem of playing 5.1 multichannel content over two speakers. TruSurround

two-speaker playback system, including internal television speakers. It is fully compatible with all multichannel formats. Preferred Language (digital channels only)

Digital-TV broadcasts are capable of simultaneous transmission of many

delivers a compelling, virtual surround sound experience through any

audio tracks (for example, simultaneous translations of the program into You can only select a language from among the ones being

date, request an upgrade.

HDMI OUT

an HDMI cable.

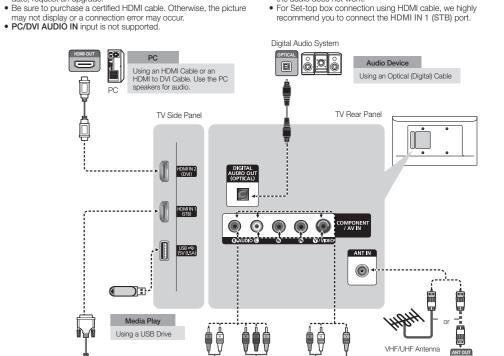
• For the best picture and audio quality, connect digital devices using
• For an HDMI to DVI cable connection, you must use the HDMI IN

PC

- 2 (DVI) port. 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

 - depending on the PC.

 If an 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 IN 1 (STB) port.



How to use Edit Name **Changing the Input Source** Edit Name lets you associate a device name to an input source. To

AV Device (3)

Source List

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

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. I. Press the SOURCE button.

In the Source List, connected inputs will be highlighted.

■ Mono: Choose for channels that are broadcasting in mono or if you

■ Stereo: Choose for channels that are broadcasting in stereo

■ SAP: Choose to listen to the Separate Audio Program, which is

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

Because each broadcasting station has its own signal conditions, the volume may fluctuate each time channel is changed. This feature lets

you automatically adjust the volume of the desired channel by lowering

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

■ Audio Delay: Lets you correct timing mismatches between the audio

When you set Speaker Select to External Speaker, the TV's

speakers only. When you set Speaker Select to TV Speaker

and MUTE buttons will not operate and the sound settings will

If there is no video signal, both the TV's speakers and the external

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

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

the sound output when the modulation signal is high or by raising the sound output when the modulation signal is low.

The SPDIF (Sony Philips Digital InterFace) outputs an uncompr

You can only choose external devices that are connected to the TV

Blu-ray player / DVD

AV Device (1)

2. Select a desired external input source

Multi-Track Sound

(analog channels only)

Auto Volume

SPDIF Output

Speaker Select

be limited.

Visual Impaired

(digital channels only)

Sound Reset

Dolby Digital Comp

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

are having difficulty receiving a stereo signal.

ısually a foreign-language transİation

depending on the input source.

hear sound through both.

speakers will be mute.

Set Dolby Digital compression mode.

Using an HDMI Cable (up to 1080p)

Using a USB Drive

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.

Using Audio/Video Cables

Set the menu language.

Language

The current time will appear every time you press the INFO button

■ Clock: Setting the clock is for using various timer features of the TV. If you disconnect the power cord, you have to set the clock again. Clock Mode: Set the current time manually or automatically.

Available only when Clock Mode is set to Manual. Time Zone: Select your time zone.

■ Sleep Timer TOOLS

Mode is set to Auto.

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 Timer 1 / Timer 2 / Timer 3 the left and right arrow buttons to adjust the slider. Press ENTER \blacksquare when done (0ms ~ 250ms).

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

 **Contents: When the On Time is activate. ■ Contents: When the On Time is activated, you can turn on a specific
- connected to your TV.) ooth the TV's speakers and the external speakers are on. You will - Antenna: Displays the current antenna source. - Channel: Select the desired channel. When Speaker Select is set to External Speaker, the VOLUME - Music/Photo: Select the folder containing MP3/JPEG files on the
 - The media may not be playing smoothly when using the device lower than USB 2.0. ■ Repeat: Select Once, Everyday, Mon~Fri, Mon~Sat, Sat~Sun or

Manual to set at you convenience. If you select Manual, you can set

Game Mode

Precautions and limitations for game mode

To disconnect the game console and connect another external

${}^{\bullet}$ After connecting the game console, set ${\bf Game\ Mode\ to\ On.}$ Unfortunately, you may notice reduced picture quality.

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.

access Edit Name, press the TOOLS button in Source List. Name the levice connected to the input jacks to make your input source selection

Choose between English, Español, and Français.

□ Setting the Time

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

DST: (Daylight Saving Time) Switches the DST (Daylight Saving Time) function on or off. DST and Time Zone function is only available when the Clock

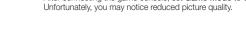
Automatically shuts off the TV after a preset period of time. (30, 60,), 120, 150 and 180 minutes) To cancel the Sleep Timer, select Off

Three different on / off timer settings can be made. You must set the ■ On Time / Off Time: Set the hour, minute, am/pm and Activate Inactivate. (To activate the timer with the setting you have chosen, set

When connecting to a game console such as PlayStation™ or Xbox™, you can enjoy a more realistic gaming experience by selecting the game

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.



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

that are deemed inappropriate for children. The user must enter a PIN (personal identification number) before any of the Program Rating Lock restrictions are set up or changed. Note: Program Rating Lock is not available in HDMI or Component

The default PIN number of a new TV set is "0-0-0-0".

- Program Rating Lock: You can block rated TV Programs.
- TV Parental Guidelines: You can block TV programs depending or heir rating. This function allows you to control what your children are
- MPAA Rating: You can block movies depending on their MPAA rating. The Motion Picture Association of America (MPAA) has implemented a rating system that provides parents or guardians with advanced information on which films are appropriate for children.
- Canadian English: You can block TV programs depending on their
- Canadian French: You can block TV programs depending on their ■ Downloadable U.S. Rating: Parental restriction information can be
- ed while watching DTV channels.
- in **Confirm New PIN**. When the Change PIN screen disappears, press the OK button. The TV has memorized your new PIN.
- If you forget the PIN, press the remote-control buttons in the following sequence, which resets the pin to "0-0-0-0": POWER $(off) \rightarrow MUTE \rightarrow 8 \rightarrow 2 \rightarrow 4 \rightarrow POWER (on)$

Caption

(On-Screen Text Messages)

■ Caption: You can switch the caption function on or off. If captions are ot available, they will not be displayed on the screen. The Caption feature does not work in Component or HDMI

■ 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 digita 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 and Large. The default

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 letter. The default is White. Background Color: Options include Default, White, Black, Red

Green, Blue, Yellow, Magenta and Cyan. You can change the background color of the caption. The default is Black. Foreground Opacity: This adjusts the opacity of text. Options include Default, Transparent, Translucent, Solid and Flashing. Background Opacity: This adjusts the opacity of the caption

background. Options include Default, Transparent, Translucent, Solid

Troubleshooting

Flickering and Dimming

Screen Brightness

Unwanted Powering of

Trouble Powering On

Cannot find channel

The TV image does not look as good as it did in the store.

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

Color is wrong or missing.

There is poor color or brightness

There is a dotted line on the edge of the

Poor picture

Problem

com, then click on Support, or call Samsung customer service

Return to Default: This option sets each Size, Font Style, Foreground Color, Background Color, Foreground Opacity and Background Opacity to its default.

The Foreground and Background cannot be set to have the same

Boot Logo

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

Eco Solution

- Energy Saving: 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 ■ No Signal Power Off: Sets how guickly the TV switches to standby
- Disabled when the PC is in power saving mode.
- Auto Power Off: The TV will be automatically turned off when no user ation is received for 4 hours

Auto Protection Time

■ 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

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.

Support Menu

Self Diagnosis

- Picture Test: Use to check for picture problems. If the problem
- 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

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

setting Use Mode to Store Demo For all other uses, select Home Use.

If your Samsung Television is flickering or dimming sporadically, you may need to disable some of its energy efficient features like the **Energy Saving** feature. If you follow below step with your remote, you can turn these features off or on.

· 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

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.

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

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

First make sure you **Sleep Timer** is not accidentally set. The sleep timer allows you the comfort of falling asleep with the TV still on but, turns it off after a certain period of time so as not to waste energy.

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

House. Then by curring your 1 vol.. 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.

If you have an analog cable/satellite box, upgrade to a digital set top box. Use HDMI or Component cables to deliver HD (high

Compression of video contents may cause picture distortion, especially on fast moving pictures such as sports and action

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.

Mobile phones used close to the TV (within 3.3ft) may cause noise in the picture on analog and digital channels.

· 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)

If the Sleep Timer is not activated, you may have engaged the No Signal Power Off or Auto Power Off feature.

No Signal Power Off: MENU → Setup → Eco Solution → No Signal Power Off

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

HD Connection Guide

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

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 samsung

Self Diagnosis : MENU → Support → Self Diagnosis → Picture Test

Sleep Timer : MENU → Setup → Time → Sleep Timer

Go to MENU - Support - Self Diagnosis - Picture Test

Cable/Satellite subscribers: Try HD channels from the channel line up.

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

If the picture size is set to Screen Fit, change it to 16:9.

Change the cable/satellite box resolution.

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.

 $\bullet \ \ \text{Auto Power Off} : \mathbb{MENU} \to \mathbf{Setup} \to \mathbf{Eco} \ \mathbf{Solution} \to \mathbf{Auto} \ \mathbf{Power Off}$

First, perform the $\mbox{\bf Picture Test}$ and to see if your TV is properly displaying the test image.

If the test image is properly displayed, the poor picture may be caused by the source or signal.

Adjust the Picture options in the TV menu. (Go to Picture Mode / Color / Brightness / Share

Out jack on your video source.

Re-run plug and play.

Energy Saving : MENU \rightarrow Setup \rightarrow Eco Solution \rightarrow Energy Saving \rightarrow Select Settings

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.

or black and White, first run a Self Diagnosis on

Application Menu

☐ Using the Media Play

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



button in the Media Play menu

bar are not displayed.

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

The selected file is displayed on the top with its playing time.

During video playback, you can search using the ◀/▶ buttons

If video time information is unknown, playing time and the progress

- 2. Connect a USB device containing photo, music and/or movie files to 1. Press the ◀/▶ buttons to select Videos, then press the ENTER 🖳 the USB jack on the side of the TV.
- 3. When USB is connected to the TV, you can select Media Play (USB) 2. Press the ◀/▶/▲/▼ buttons to select the desired video in the file in Applications menu.

Using the Media Play Menu

- 1. Press the MENU button. Press the ▲ or ▼ button to select

- lt 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 be compatible with this TV.
- Media Play only supports USB Mass Storage Class (MSC) devices. MSC is a Mass Storage Class Bulk-Only Transport device. Examples of MSC are Thumb drives and Flash Card Readers. Devices should be connected directly to the TV's USB port. USB HDD is not supported.
- Before connecting your device to the TV, please back up your 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 be supported.
- Do not disconnect the USB device while it is loading. • The higher the resolution of the image, the longer it takes to
- display on the screen. • The maximum supported JPEG resolution is 15360 x 8640 pixels.
- If a file is corrupted or the TV does not support the file type, the Not Supported File Format" message annears 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 an over-power warning message is displayed while you are
- onnecting or using a USB device, the device may not be recognized or may malfunction.
- If the TV has no input during the time set in Auto Protection Time, the Screensaver will run.
- The power-saving mode of some external hard disk drives may be released automatically when your connect them to the TV.
- If you use a USB extension cable, the TV may not recognize the USB device or may not be able to read the files on the device. If a USB device connected to the TV is not recognized, the list of files on the device is corrupted, or a file in the list is not played, connect the USB device to a PC, format the device, and check

The picture is black and white.

Sound Problem

Others

Component cable connection.

The remote control does not work.

There is a plastic smell from the T\

• 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

- manently delete the file. Photos only supports sequential jpeg format
- The scene search and thumbnail functions are not supported in
- If the number of files and folders saved on a USB storage device is approximately over 4000, the files and folders may not appear 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.

- Supports up to H.264, Level 4.1
- H.264 FMO / ASO / RS, VC1 / AP L4 are not supported.

- WMA 10 Pro supports up to 5.1 channels. Supports up to the M2
- In this mode, you can play movie clips contained in a game, but you
- Supported Subtitle Formats
- SAMI SubRip SubViewer Micro DVD .sub or .txt SubStation Alpha

into in a					
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			
upported Video Formats					

File tension	Container	Video Codec	Resolution	Frame rate(fps)	Bit rate (Mbps)	Audio Codec	
	AVI MKV ASF MP4 3GP MOV FLV VRO VOB PS TS	Motion JPEG	640x480		8		
*.avi .mkv		H.264 BP/ MP/HP					
*.asf .wmv		H. 264 BP / MP / HP				AC3 LPCM	
.mp4 .mov		ASF MP4 Mi	Divx 3.11 / 4 /5/6		MAX 30		ADPCM (IMA, MS) AAC HE-AAC
.3gp *.vro							
.mpg mpeg *.ts		FLV Media Video VRO V9(VC1) VOB PS M0500	1920x1080	WEVE		WMA DD+ MPEG(MP3) DTS (Core, LBR) G.711(A- Law, µ-Law)	
*.tp *.trp .mov *.flv *.vob							
*.svi *.divx		MPEG1					

- Codecs may not function properly if there is a problem with the content.
 CMYK and YCCK Color space JPEGs are not supported. Video content does not play or does not play correctly if there is an
- error in the content or container. Sound or video may not work if they have standard bit rates/frame rates above the TV's compatibility ratings.

- If the Index Table is has an error, the Seek (Jump) function will not work.

 2. Repeat the above operation to select multiple files. • When playing video over a network connection, the video may not play 🐁 NOTE
- smoothly because of data transmission speeds.

 Some USB/digital camera devices may not be compatible with the TV. While the TV is playing a video at the bit rate of 10 Mbps or higher, the
- menu screens may be displayed slowly.

GMC 2 or above is not supported.

profile. WMA lossless audio is not supported. QCELP and AMR NB/WB are not supported.

Dolby Digital Plus is supported for up to 5.1 channels.

- 1. Press the $\blacktriangleleft/\blacktriangleright$ buttons to select Music, then press the ENTER \boxdot button in the Media Play menu. 2. Press the ◀/▶/▲/▼ buttons to select the desired Music in the file
- 3. Press the ENTER → button or ► (Play) button.
- During music playback, you can search using the ◀/▶ buttons. (REW) and (FF) buttons do not function during play.
 Only displays the files with MP3 file extensions. Other file extension are not displayed, even if they are saved on the same USB device.
- If the sound is abnormal when playing MP3 files, adjust the Equalizer in the Sound menu. (An over-modulated MP3 file may

- 1. Press the **◄/▶** buttons to select **Photos**, then press the **ENTER !** button in the Media Play menu. 2. Press the ◀/▶/▲/▼ buttons to select the desired photo in the file
- 3. Press the ENTER → button or ► (Play) button.
- While a photo list is displayed, press the ▶ (Play) / ENTER ◄ button on the remote control to start the slide show. - All files in the file list section will be displayed in the slide show - During the slide show, files are displayed in order.
- You can move to other file using the **◄/▶** buttons

upported Photo Formats				
Image	Photo	Resolution		
IDEO	Base-line	15360 x 8704		
JPEG	Progressive	1024 x 768		

Using the Sports Mode Sports Mode

Videos Music Photos

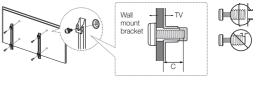
- When the **Sports Mode** is **On**, the picture and sound modes are set to Stadium automatically

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) The wall mount kit is not supplied, but sold separate

Install your wall mount on a solid wall perpendicular to the floor. When attaching to other building materials, please contact your nearest dealer If you install the TV on a ceiling or slanted wall, it may fall and result in ere personal injury. NOTE Standard dimensions for wall mount kits are shown in the table

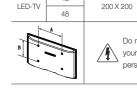
- When purchasing our wall mount kit, a detailed installation manual
- and all parts necessary for assembly are provided. • Do not use screws that do not comply with the VESA standard screw specifications.
- Do not use screws that are longer than the standard dimension or do not comply with the VESA standard screw specifications. 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
- 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.

the wall mount specifications.

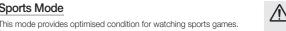
		wo people mount t			
Product Family	TV size in inches	VESA screw hole specs (A * B) in millimeters	C (mm)	Standard Screw	Quantity



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

21,5 ~ 22,5

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.

o prevent the TV from falling

- Since the necessary clamps, screws, and string are not supplied, please purchase these additionally 1. Drive the screws into the clamps and firmly fasten them onto the wall.
- Make sure the screws are firmly fixed into the wall 2. Remove the screws from the back center of the TV, put the screws
- into the clamps, and then fasten the screws onto the TV again 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 connections for any sign of fatigue or failure. If you have any doubt about the security of your connections, contact a professional
- 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. 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

beside the "R" icon.

Please find a "@" icon on the rear of the TV. The Kensington slot is

The position and color may differ depending on the model.

Environmental Consideration 50°F to 104°F (10°C to 40°C) Operating Temperature 10% to 80%, non-condensing Operating Humidity Storage Temperature -4°F to 113°F (-20°C to 45°C) 5% to 95%, non-conder Storage Humidity Model Name UN43J5000 UN48J5000 Display Resolution 1920 x 1080 Screen Size 43" Class 48" Class (42,5" measured diagonal (47,6" measured diagonally) (Diagonal) (10 W x 2) Output Dimensions (W x H x D) 38,8 x 22,6 x 2,8 inches 43,2 x 25,1 x 2,9 inches (985.5 x 574.9 x 72,0 mm) (1098.7 x 638.7 x 73.9 mm) With stand 38,8 x 23,4 x 6,7 inches 43,2 x 25,9 x 7,3 inches 985.5 x 595.4 x 170.3 mm (1098.7 x 659.5 x 187.5 mm Without Stand 16,5 lbs (7,5 kg) 20,9 lbs (9,5 kg) 16,9 lbs (7,7 kg) 21,3 lbs (9,7 kg) With Stand Power Requirements 110-127V ~ 50/60Hz (Mexico Only) Power Consumption

- The actual appearance of the TV may differ from the images in this manual, depending on the model.
- For information about your TV's power requirements and more about power consumption, refer to the label attached to the product.

Diagnosis Test menu. TV is tilted to the right or left side. nove the stand base from the TV and reassemble it. (unavailable). If TV is in the Store Demo mode, it will reset audio and picture settings every 30 minutes. Please change from Store Demo mode to Home Use mode using the Plug & Play procedure. Press the SOURCE button to select TV mode, go to MENU → Setup → Plug & Play → ENTER [♣. Check the cable connections and reconnect them. You have intermittent loss of audio or video 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 You see small particles when you look This is part of the product's design and is not a defect closely at the edge of the frame of the TV

- 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.

V Signal Strength is unavailable in the Self | This function is only available for digital channels from an Antenna / RF / Coax connection

- Some functions and pictures shown in this manual are available on specific models only.
- Nou can keep your TV as optimum condition to upgrade the latest firmware on web site (samsung.com → Support → 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.

This DivX Certified® device has passed rigorous testing to ensure it plays DivX® video.

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



License

product. Any liquid that goes into the product may cause a failure, fire, or electric



To play purchased DivX movies, first register your device at vod.divx.com. Find your registration code in the DivX VOD

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



This device supports DivX Plus Streaming® for enjoying HD movies and TV shows with advanced features (multilanguage subtitles, multiple audio tracks, chapters, smooth FF/RW, etc.) streamed to your device For DTS patents, see http://patents.dts.com. Manufactured under license from DTS Licensing Limited. DTS, the Symbol, & DTS and the Symbol together are registered trademarks, and DTS 2.0 Channel is a trademark of DTS, Inc.

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; 7,519,274.



© DTS, Inc. All Rights Reserved. For DTS patents, see http://patents.dts.com. Manufactured under license from DTS Licensing Limited. DTS, the Symbol, DTS in combination with the Symbol, and DTS Studio Sound are registered trademarks or trademarks of DTS, Inc. in the United States and/or other countries. © DTS, Inc. All Rights Reserved.

The terms HDMI and HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered The terms HDMI and HDMI High-Definition Mulurriedia interface, and unerrander trademarks of HDMI Licensing LLC in the United States and other countries

Digital Caption Options are available only when Default and Service1~Service6 can be selected in Caption Mode

> Connecting a USB Device 1. Turn on your TV.

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.

External

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
pported Video Formats		

If you are using an AV composite input, connect the video cable (yellow) to the Green jack of component input 1 on the TV. connected to a cable box, please try to reset it. (Reconnect the AC cord and wait until the cable box reboots. It may take to 20 minutes) Set the output resolution of the cable box to 1080i or 720p.

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. The picture is good but there is no sound. If you are using an external device, check the device's audio output option (ex. you may need to change your cable box's audio option to HDMI when you have a HDMI connected to your TV).

 Perform the Sound Test as explained above. No Picture, No Video Make sure the AC power cord is securely plugged into the wall outlet and the TV.
 Make sure the wall outlet is working. The TV will not turn on

Make sure the AC power cord is plugged in securely to the wall outlet and the TV.
When you are watching TV connected to an antenna or cable connection, the TV will turn off after 10 - 15 minutes if there is no signal.

 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

Some channels may not have caption data.

Purple/green rolling horizontal bars and 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. buzzing noise from the TV speakers with The picture will not display in full screen. HD channels will have black bars on either side of the screen when displaying up scaled SD (4:3) contents Black bars on the Top & Bottom will be shown on movies that have aspect ratios different from your TV. Adjust the picture size option on your external device or change the TV to full screen.

 Clean the transmission window located on the top of the remote control Try pointing the remote directly at the TV from 5~6 feet away. Program the Cable/Set top box remote control to operate the TV. Refer to the Cable/Set top box user manual for the SAMSUNG TV code. The cable/set top box remote control does not turn the TV on or off, or adjust A "Mode Not Supported" message

Check the supported resolution of the TV and adjust the external device's output resolution accordingly. Refer to resolution · You cannot select Caption in the TV menu when watching content from a device connected via HDMI or Component. Caption on the TV menu is greved out. Caption must be activated on the external device.

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

LATERISION				ιαισ(ιμο)	(iviups)	Oudec
		Motion JPEG	640x480		8	
*.avi *.mkv		H.264 BP/ MP/HP				
*.asf *.wmv	AVI	H. 264 BP / MP / HP				AC3 LPCM
*.mp4 *.mov *.3gp	MKV ASF	Divx 3.11 / 4 / 5 / 6				ADPCM (IMA, MS)
*.vro *.mpg	MP4 3GP	MPEG4 SP/ ASP		MAX 30		AAC HE-AAC
*.mpeg *.ts	MOV FLV VRO	Window Media Video v9(VC1)	1920x1080	MAX 30	30	WMA DD+ MPEG(MP3)
*.tp *.trp *.mov *.flv *.vob	VOB PS TS	MPEG2				DTS (Core , LBR) G.711(A- Law, µ-Law)
*.svi *.divx		MPEG1				

*.webm WebM VP8 1920x1080 6~30 20 Vorbis

First of all, please perform the Sound Test to confirm that your TV audio is properly operating. (Go to MENU - Support - Self Diagnosis - Sound Test) If the audio is OK, the sound problem may caused by the source or signal.

 Reboot the connected device by reconnecting the device's power cable. 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.

 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

. 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.

 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)

· Replace the remote control batteries with correct polarity (+/-).

This smell is normal and will dissipate over time.

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

• Compression of video contents may cause picture distortion. Especially on fast moving pictures such as sports and action movies. · A weak signal can cause picture distortion. This is not a TV problem

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

Playing Multiple Files

■ Playing selected video/music/photo files 1. Press the Yellow button in the file list to select the desired file

- The

✓ 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 and select

Press the TOOLS button, and then select Play Selected Contents ■ Playing the video/music/photo file group 1. While a file list is displayed, move to any file in desired group.

2. Press the TOOLS button, and then select Play Folder. Media Play - Additional Functions ■ Videos/Music/Photos Play Option menus When playing a file, press the TOOLS button.

Category	Operation	Videos	Music	Photos
Title	You can 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			✓

ou can see detailed information

Design and specifications are subject to change without prior notice.

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