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

Important Warranty Information Regarding Television Format Viewing

Wide screen format LED Displays with aspect ratios of 16:9 (the ratio of the screen width to screen height) are primarily designed to display wide screen format full-motion video. The images displayed on them should primarily be in the wide screen 16:9 ratio format, or expanded to fill the screen if your model offers this feature and the images are constantly moving. Displaying stationary graphics and images on screen, such as the dark sidebars on non-expanded standard format television video and programming, should be limited to no more than 5% of the total television viewing per week. Additionally, viewing other stationary images and text such as stock market crawls, video game displays, station logos, web sites or computer graphics and patterns, should be limited as described above for all televisions. Displaying stationary images that exceed the above guidelines can cause uneven aging of LED Displays that leave subtle, but permanent burned-inghost images in the LED picture. To avoid this, vary the programming and images, and primarily display fulls creen moving images, not stationary patterns or dark bars. On LED models that offer picture sizing features, use these controls to view different formats as a full screen picture. Be careful in the selection and duration of television formats you use for viewing. Uneven LED aging as a result of format selection and use, as well as burned in images, are not covered by your Samsung limited warranty.

SAMSUNG ELECTRONICS NORTH AMERICAN LIMITED WARRANTY STATEMENT Wide screen format LED Displays with aspect ratios of 16:9 (the ratio of the

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

The above described warranty repairs must be performed by a SAMSUNG Authorized Service Center. Along with this Statement and the Original Limited Warranty Statement, a dated Bill of Sale as Proof of Purchase must be presented to the Service Center, Transportation to and from the Service Center is the responsibility of the purchaser. Conditions covered are limited only to manufacturing defects in material or workmanship, and only those encountered in normal use of the product. Exclusions include, but are not limited to, any originally specified provisions for in-home or on-site services, minimum o maximum repair times, exchanges or replacements, accessories, options, apgrades, or consumables

- For the location of a SAMSUNG Authorized Service Center, please call toll-free: - In the United States : 1-800-SAMSUNG (1-800-726-7864)
- In Canada : 1-800-SAMSUNG

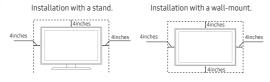


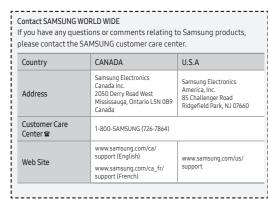
Still image warning

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 n bottom etc.) on the screen. Constant displaying of still pictures can cause ting of LED screen, which will affect image quality. To reduce risk of this effect, lease 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.

Be careful when you contact the TV because some parts can be somewhat hot.





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Displays and selects the available video 1 || 2 || 3 4 .5 6 Press to access channels directly. 7 | 8 | 9 Returns to the previous channel dcasted by the same station. For example, t hannel '54-3', press '54', then press '-' and '3 O PRE-CH · Cuts off the sound temporarily Displays the main on-screen menu. Shuts off the TV automatically after a preset period of time. Displays information on the TV screen Moves the cursor, selects the onscreen menu items, [] [] [] (Enter): Press this button to select or run and changes the values seen on the TV's menu. a focused item. Returns to the previous menu A B C D Use these buttons according to the direction PIC SIZE: Changes the picture size. . PICSIZE MTS CC MTS: Changes a program's audio to stereo, mono, or Use these buttons with a specific feature Separate Audio Program (SAP broadcast). CC: Controls the caption decoder and displays captions on the scree SAMSUNG

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

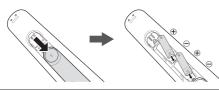
This remote control has Braille points on the Power, Channel, Volume, and Enter buttons and can be used by visually impaired persons,

Display Modes (HDMI/DVI Input) Optimal resolution:4 series:1366 x 768@60Hz						
Mode	Resolution	Horizontal Frequency (KHz)	Vertical Frequency (Hz)	Pixel Clock Frequency (MHz)	Sync Polarity (H / V)	
IBM	640 x 350	31.469	70.086	25.175	+/-	
IBM	720 x 400	31.469	70.087	28.322	-/+	
1446	640 x 480	35.000	66.667	30.240	-/-	
MAC	832 x 624	49.726	74.551	57.284	-/-	
	640 x 480	31.469	59.940	25.175	-/-	
	640 x 480	37.861	72.809	31.500	-/-	
	640 x 480	37.500	75.000	31.500	-/-	
	800 x 600	37.879	60.317	40.000	+/+	
	800 x 600	48.077	72.188	50.000	+/+	
VESA DMT	800 x 600	46.875	75.000	49.500	+/+	
	1024 x 768	48.363	60.004	65.000	-/-	
	1024 x 768	56.476	70.069	75.000	-/-	
	1024 x 768	60.023	75.029	78.750	+/+	

1280 x 720 45.000 60.000 74.250 +/+

1366 x 768 47.712 59.790 85.500

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.

■ Color: Adjusts the color saturation. The higher the Color setting, the more intense ■ Music: Emphasizes music over voices. color. Low settings remove color and the picture becomes black, white, and gray.

■ Sharpness: Sharpens or dulls the edges of objects.

■ Tint (G/R): Adjusts the amount of green and red in the picture. As you increase the amount of green, the amount of red decreases and vice versa.

■ Clear Voice: Emphasizes voices over other sounds

When the TV is connected to a PC, you can only make changes to Backlight, Contrast, Brightness, and Sharpness.

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

Size, and HDMI Black Level. ■ Color Tone (Cool / Standard / Warm): Cool makes the picture bluer (cooler). Warm

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

Your cable box or satellite receiver may have its own set of screen sizes as well. However, we highly recommend you use the TVs 16:9 mode most of the time. 16:9: Sets the picture to the 16:9 wide screen format. Zoom1: Provides moderate magnification of the picture. Sides, top, and bottom are

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

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

Warning! Important Safety Instructions

(Please read the Safety Instructions before using your TV.) Class II product: This symbol indicates that a safety connection to electrical earth (ground) is no CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). THERE ARE NO USER SERVICEABLE AC voltage: Rated voltage marked with this symbol is AC voltage PARTS INSIDE, REFER ALL SERVICING TO QUALIFIED PERSONNEL

This symbol indicates that high voltage is presen DC voltage: Rated voltage marked with this symbol is inside. It is dangerous to make any kind of contact ___

This symbol indicates that this product has included \triangle i important literature concerning operation and

Caution, Consult instructions for use: This symbo instructs the user to consult the user manual fo further safety related information.

• 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 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 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 swimming 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 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 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 the appliance. 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

• 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 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

• 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 fire by causing the power cord to generate sparks and heat or by causing 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 hours a day such as in an airport, a train station, etc. Failure to do so may lead 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 children.

• 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 wipe the product with a soft, dry cloth. Do not use any chemicals such a 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.

Important Safety Instructions

maintenance.

RISK OF ELECTRIC SHOCK. DO NOT OPEN

with any internal part of this product

SAMSUNG

 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

 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.



connected to an input on the TV. Picture Sizes available by Input

magnified or shrunk picture can be moved left, right, up, and down.

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

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

■ HDMI Black Level (Normal / Low): For HDMI signals, select the black level to

■ Film Mode (Off / Auto1 / Auto2): Sets the TV to automatically sense and process

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

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

■ Motion Lighting (Off / On): When on, the TV automatically dims the screen's

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

■ Picture Reset (Reset Picture Mode/Cancel): Resets the picture settings to

eturned to full brightness when the TV displays bright scenes

I motion Lighting (OT / OH): When this, the I valudinations will be scients backlights when full brightness is not needed - for example when the TV is displaying dark scenes - to reduce power consumption. The backlights are

reduce any static and ghosting that may appear on the screen.

adjust the screen depth. Low make blacks look darker

Available only in HDMI mode (RGB signals).

received by your TV is weak, you can activate the Digital Clean View feature to

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

Custom: Magnifies or shrinks 16:9 pictures vertically and/or horizontally. A

16:9, Zoom1, Zoom2, 4:3

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

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

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

TV displays the best picture.

HDMI (480i / 1080i)

Picture Off

Picture Reset

Mode Tools₁

Screen Fit: Displays the full image without any cut-off when your TV is The On Screen Menus inputting HDMI (720p / 1080i / 1080p) or Component (1080i / 1080p) HD

our TV has two kinds of menus, the Main menu and the various Tools menus. MD (High Definition) has a 16:9 aspect ratio and 1080i/1080p The Main menu gives you access to most or all of the menu options available on your TV. The Tools menus display a selected number of frequently used menu options that change depending on the screen you are viewing. A Tools 🛇 You can adjust and store settings for each external device you have menu symbol (T) in the lower right side of the screen indicates that a Tools

The Main menu has seven primary categories: Picture Input • Sound

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

The menu options that appear in the Main menu depend on the Source you have selected. For example, if you have selected the HDMI ource, the Channel category will not appear. To see the Channel category, you must first select TV in the Source List.

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

Picture Menu

Mode Tools₁ Select your preferred picture mode.

Picture Options

When your TV is connected to a PC, you can only select Entertain and Standard. ■ Dynamic: Brightens the screen. Suitable for a bright room.

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

■ Entertain: Sharpens the picture, Suitable for games Only available when the TV is connected to a PC.

Backlight / Contrast / Brightness / Sharpness / Color / Tint (G/R)

■ Backlight: Adjusts the brightness of the screen by adjusting the brightness of the

■ Contrast: Increases or decreases the contrast between dark and light areas of the ■ Brightness: Adjusts the brightness of the screen. Not as effective as Backlight.

Standard: Selects the normal sound mode.

Equalizer

Available in Standard sound mode only.

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

■ Reset: Resets the equalizer to its default settings Auto Volume

content so the level remains the same. Speaker Select

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

Automatically adjusts the volume level when you change video sources or

When you set Speaker Select to External Speaker, the TV's speakers are turned off. You will hear sound through the external speakers only When you set Speaker Select to TV Speaker both the TV's speakers and the external speakers are on. You will hear sound through both. When Speaker Select is set to External Speaker, the VOLUME and MUTE buttons will not operate and the sound settings will be limited

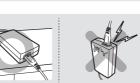
If there is no video signal, both the TV's speakers and the external speakers will be mute.

Accessories

• Remote Control & Batteries (AAA x 2) Warranty Card / Regulatory Guide

 Power Cord • Wall Mount Adapter (4EA)

AC/DC Adapter

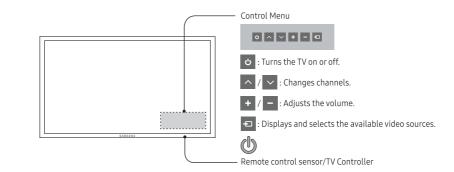


Input Cables (Sold Separately)

 Audio Composite (AV) HDMI-DVI Make sure you have the correct cable before plugging it in. Illustrations of common plugs and jacks are shown below. Do not plug in opposite or wrong direction. It could damage the TV port. Cable Plugs Ports/Jacks HDMI USB Optical Do not plug cables in upside down. Be sure to check the orientation of the plug before plugging it in.

TV Controlle

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



The product color and shape may vary depending on the model.

You cannot input the numbers by pressing the TV's controlled 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 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

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

Preferred Language Digital channels only.

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

Multi-Track Sound (MTS)

Analog channels only. ■ Mono: Select for channels that are broadcasting in mono or if you are

having difficulty receiving a stereo signal. ■ Stereo: Select for channels that are broadcasting in stereo.

■ SAP: Select to listen to the Separate Audio Program, which is usually a

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

SPDIF Output

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

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

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

Visually Impaired

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

Dolby Digital Comp

HDMI Audio Format

You can select the HDMI differ depending on the input source. Sound Reset

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

Channel Menu

Memorizing Channels

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

Antenna (Air / Cable)

Before your television can memorize the available channels, you must select your TV's signal source, Air (using an antenna) or Cable. Select Menu > Channel > Antenna > Air or Cable. After you have selected the signal source, go on to the Auto Program function. Selecting the signal source using the Antenna function also

determines the signal source the TV is tuned to. For example, if you receive your TV signal over the air, and you select Cable, you will see only snow. You must select Air to see a picture. Auto Program The Auto Program function memorizes all channels that are available over the air

cable or satellite box, you do not need to run the Auto Program function

To start Auto Program, follow these steps: 1. Push MENUШ → Channel → Auto Program → ENTER 🗗 on your remote. The

TV will automatically start memorizing channels.

On the Antenna Source screen, select the source of your TV signal.

If your TV is connected to an antenna choose Air, and then press ENTER . The

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

ENTER →. Go to Step 3.

Channel List

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

digital and analog cable systems you have: STD, HRC, or IRC. Most systems are STD (Standard). When done, select Start, and then press ENTER \blacksquare . The TV will start memorizing channels. Channel memorization can take up to 45 minutes, depending on your

3. On the Cable Type screen, use the **◄/▶/▲/▼** buttons to select the type of

cable system. Memorized channels are added to the Added Channels list. These are the channels you will see when you use the Channel buttons on your remot Clear Scrambled Channel

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. Managing Channels

See your list of Added channels, Favorite channels, or channels you've

scheduled for viewing. Add or delete Favorite channels, add or delete channels from the Added Channels list, schedule channels or programs for viewing. Watch a channel by selecting the channel in the All Channels, Added Channels, or Favorite Channels screen, pressing the ▲ / ▼ buttons, and then

pressing the ENTER button. nnel List Screens icons are listed on the left side. Select an icon using the ▲/▼ buttons to view each list.

■ MAIL Channels: Shows all currently available channels including those leted from the Added Channels list.

■ Æ Added Channels: Shows all Added Channels. These are the channels that appear when you press the CH button. ■ **▼ Favorite Channels**: Shows all favorite channels.

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

• Green (Zoom): Enlarges or shrinks a channel number Yellow (Select): Move the cursor to a channel. Press the Yellow button to select the channel. A mark appears. Repeat to select additional channels. Then, open the Tools menu and apply a function to the channels you selected.

• 戸 (Tools): Displays the Channel List Tools menu. (The Tools menus may differ depending on the situation.) If you use a cable box or satellite box, you cannot use the Channel List or the Channel List functions

Display Icons Used in the Channel List Screens

Icons ✓ A selected channel. ◆ A Favorite channel. A reserved program. or through your cable system and adds them to the Channel List. If you are using a A program currently being broadcast.

date, request an upgrade

PC/DVI AUDIO IN input is not supported.

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 7
- (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

 - depending on the PC.
- manufacturer of the device about the HDMI version and, if it is out of If an HDMI to DVI cable is connected to the HDMI IN 2 (DVI) port, the audio does not work.

Be sure to purchase a certified HDMI cable. Otherwise, the picture may not display or a connection error may occur. For Set-top box connection using HDMI cable, we highly recommend you to connect the HDMI IN1 (STB) port.

Blu-ray player / DVD / cable box / sat box PC AV Device (1) HDMI OUT Using an HDMI Cable or an Using an HDMI Cable HDMI to DVI Cable. Use the PC speakers for audio. (up to 1080p) OPTICAL DIPLOMENT Digital Audio Syster Audio Device TV Rear Panel (Digital) Cable DIGITAL AUDIO OU (OPTICAL) USB +**Q**+ (5V 0.5A) . Media Play Using a USB Drive DC 19V HAHH AV Device (3) Cable (up to 1080p) AV Device (2) Cable

Source List

1 Press the SOURCE hutton

Using Audio/Video

Source List, connected inputs are highlighted

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

ou can only choose external devices that are connected to the TV. In the

2. Select a desired external input source ■ TV / AV / Component / HDMI1 / HDMI2/DVI

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

easier to select a source. To access Edit Name, enter the Input menu, and then select Edit Name. Select the name of the device from the drop down next to the name of the input jack it is connected to. For example, if your Blu-ray player is connected to HDMI 2, select Blu-ray player from the drop next to HDMI 2.

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

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

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

☐ The Channel List Tools Menu TOOLS ☐ The Channel List Tools menu contains most of the functions you can use on the Change Info: Change the scheduling information for a show or channel you All Channels, Added Channels, and Favorite Channels List screens. To view,

select a list screen, select a channel, and then press the TOOLS button. ■ Add / Delete: Delete a channel from or add a channel to the Added Channels list.

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

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

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

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

To add channels to the Added Channels list, follow these steps: Select one or more channels in the All Channels list using the ▲/▼ buttons and the Yellow Select button on your remote. Press the TOOLS button on your remote. The Tools menu appears. Select Add in the Tools menu, and then press the ENTER → button.

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

the Added Channels list. The Add menu option only appears for deleted channel Add to Favorite/Delete from Favorite: Lets you add channels to and delete channels from your Favorite Channels list.

To add channels to the Favorite Channels list, follow these step

Select one or more channels in the All Channels list using the ▲/▼ buttons and the Yellow Select button on your remote. Per Tools button on your remote. The Tools menu appears. Select Add to Favorite in the Tools menu, and then press the ENTER ☐

To delete channels from the Favorite Channels list, follow these steps:

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

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

3. Select Delete from Favorite in the Tools menu, and then press the
ENTER → button.

■ Timpt Viewing: You can schedule a channel to be displayed automatically at ■ Timer Viewing: You can schedule a channel to be displayed automatically at

a set time, even when you are watching another channel. You must set the rent time first in the Time > Clock function to use Timer Viewing. To schedule a channel, follow these steps:

1. Select a channel in the Added Channels list using the ▲/▼ buttons and

Select a channer in the Added Albaman the Yellow Select button on your remote.

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

The Albaman in the Tools menu, and then press the ENTER Call. Select Timer Viewing in the Tools menu, and then press the EN button. The Timer Viewing screen appears.
Use the ◀/▶ buttons to move from entry field to entry field and the ▲/▼
buttons to change the entries. Where numbers are displayed, you can
also enter numbers directly using the number keypad on your remote. If you select **Everyday** or **Every Week**, the date you select in the

For Everyday, the TV will turn on every day, at the time you

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

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

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

When you select a digital channel, press the ▶ button to view the digital program list. If you highlight a program in the list, and ther press the ENTER (#)(Schedule) button, you set Timer Viewing for that program directly. ■ Channel Name Edit: Analog channels only. Lets you assign a name of up to

five characters to an analog channel. For example, Hist, Food, Golf, etc. This makes it easier to find and select a channel. ■ Select All: Select all the channels in the displayed channel list. ■ Deselect All: Deselect all the selected displayed channels.

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

• Programmed List (on the Channel List Screen)

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

To change the information, follow these steps:

 Select the Programmed List icon on the left side of the Channel List screen, and then press the ENTER button.
 On the Programmed List screen, select the show or channel entry you want to change, and then press the TOOLS button. The Tools Menu appears. appears. Select **Change Info**, and then press the ENTER **→** button. The **Timer**

Programmed List Screen Tools Menu TOOLS 和 TOOLS A TOO

Viewing screen appears.

4. Use the ◀/► buttons to move from entry field to entry field and the ▲/▼ buttons to change the entries. Where numbers are displayed, you can also enter numbers directly using the number keypad on your remote.

5. Press the ENTER Œ button when done.

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

To cancel a scheduled show or channel, follow these steps: Select the Programmed List icon on the left side of the Channel List screen, and then press the ENTER → button.
 On the Programmed List screen, select the show or channel entry you want to cancel, and then press the TOOLS button. The Tools Menu appears.
 Select Cancel Schedules, and then press the ENTER → button. The Cancel Schedules screen appears.
 Select OK, and then press the ENTER → button.

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

You can also change the schedule Information.

Select the Programmed List icon on the left side of the Channel List screen, and then press the ENTER (3) button. On the Programmed List screen, select the show or channel entry you want information for, and then press the TOOLS button. The Tools Menu appears. Select Information, and then press the ENTER (3) button. The Timer Viewing Info screen appears.

Info screen appears. Select Change Info, and then press the ENTER ☐ button to change information, or select Close, and then press the ENTER ☐ button to close the ■ Select All / Deselect All: You can select or deselect all channels in the channel list.

Channel Mode (Added Channels/Favorite Channels) Lets you select the channel list displayed when you press the **\CHV** (Channel) button on your remote. For example, if you select Favorite Channels,

you will only see Favorite channels when you press the **∧CH∨** button.

Other Channel Menu Functions

Analog channels only If the reception is clear, you do not have to fine tune the channel, as this is

done automatically during the search and store operation. If the signal is weak or distorted, fine tune the channel manually.

Select the channel, and then select Fine Tune. Date field becomes the start date for your scheduled viewing. Fine tuned channels that have been saved are marked with an asterisk *** on the right-hand side of the channel number in the channel banne
To reset fine-tuning, select the channel, select Fine Tune, and then

Plug & Play

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

Choose between English, Español, and Français. ■ Setting the Time

select Reset on the Fine Tune screen.

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

If you selected Auto:

you selected Auto:

FI will automatically download the correct time from a digital channel.

Select Time Zone, and then press the ENTER → button. Use the ▲ ▼

buttons to select your Time Zone, and then press ENTER →

Select DST (Daylight Savings Time), and then press ENTER →

Select DST (Daylight Savings Time), and then press ENTER →

Select Off to turn the DST adjustment on and off manually. Select Off to turn off the DST adjustment. Press ENTER → when done.

If you disconnect the power cord, you have to set the clock again. To set the clock, follow these steps:

The DST and Time Zone functions are only available when the Clock

Mode is set to Auto.

Setup Menu

Set the menu language

The time you set will appear when you press the INFO button.

Select Setup >Time > Clock. Press ENTER ☑ and select Auto or Manual, and then press ENTER ☑ again.

If you selected Manual: he Clock Set screen appears. Use the ▲/▼ buttons to change the

with all the fields, press ENTER . Available only when Clock Mode is set to Manual ■ Sleep Timer TOOLS 2 Automatically shuts off the TV after a preset period of time. (30, 60, 90,

120, 150 and 180 minutes). To cancel the **Sleep Timer**, select **Off**. Timer1 / Timer 2 / Timer 3

Turns the TV on and off automatically at times and days you select. You can set three different on/off timer settings. You must set the clock first.

On Time / Off Time: Set the hour, minute, am/pm, and Activate/Inactivate fields for the On Time and Off Time. Use the ◀/▶ buttons to move from field to field. Use the ▲/▼ buttons to change the values in each field. To activate the timer with the setting you have chosen, set the Activate/ Inactivate field to Activate. ■ Volume: Set the desired loudness.

 Contents: To select what will be turned on when the timer setting is activated. You can set the TV to turn on a specific channel or play back contents such as photo or audio files. Use the ◀/▶ buttons to move to the Contents field, and then press the ENTER ☐ button. The Contents screen appears. Use the ◀/▶ buttons to move from field to field. Use the ▲/▼ buttons to change the values in

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

- Antenna: Displays the current antenna source, Air or Cable.

- Channel: If you have selected TV. select the desired channel. - Music/Photo: If you have selected USB, follow these steps to select a containing MP3 (Music) or JPEG (Photo) files on the USB device The maximum number of files the TV can display, including sub

folders, in one folder of a USB storage device is 1000. The media may not play smoothly if you use a USB device rated

Note than USB 2.0.

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

2. Press the ENTER [→ button. A list of folders on the device appears. If there are no folders on your device, press the Yellow select outton to select the Root folder, and then press the RETURN

button. The Timer screen re-appears.

3. Use the A/▼ buttons to highlight a folder that contains music or photos, and then press the Yellow select button to select the folder.

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

■ Repeat: Select Once, Everyday, Mon-Fri, Mon-Sat, Sat-Sun or Manual.

If you select Manual, you can select the days you want to activate the timer by using the ◀/▶ buttons to highlight the day, and then pressing the ENTER 🚭 button. To unselect a day, highlight it, and then press the ENTER → button. When you finished making all your selections on the Timer screen, press

either the ENTER or RETURN button. Other Features

Voice Guide (On/Off

You can activate voice guides that describe the menu options aloud to aid the ■ Voice Guide: Enable or disable the Voice Guide feature. Voice Guide is

■ Volume: Set the volume of the voice guide

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

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

Precautions and limitations for game mode: Before you disconnect the game console and connect another external device, set Game Mode to Off in the setup menu.

notice slightly reduced picture quality.

• If you display the TV menu in Game Mode, the screen shakes slightly. Game Mode is not available when the input source is set to TV.

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

Program Rating Lock

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

Program Rating Lock is not available in HDMI or Component mode.

The default PIN number of a new TV set is "0-0-0-0". You can set your own PIN using the Change PIN function.

How It Works When you access the Program Rating Lock Menu functions for the first time, the PIN input screen appears. Enter 0-0-0-0. The PIN screen closes and the Program Application Menu Rating Lock Menu appears. Every time you access the Program Rating Lock functions, the PIN screen will appear and you must enter a PIN.

When the Rating Lock screen appears, select Program Rating Lock, and then press ENTER . Select On, and then press the ENTER . key again. Depending

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

■ Energy Saving (Off / Low / Medium / High): Lets you adjust the brightness of

■ No Signal Power Off (Off / 15 min. / 30 min. / 60 min.): Sets how quickly the TV

switches to standby mode, if no picture is being received.

Disabled when an attached PC is in power saving mode.

Auto Power Off (Off / On): When Auto Power Off is set to On, the TV will

automatically turn off when no user operation is detected for 4 hour

Connecting a USB Device

Eco Solution

system that provides parents or guardians with advanced information or which films are appropriate for children. jack on the back of the TV. A pop up window appears.

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

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

on what type of programs or movies you want to block, select one of the options on the screen, and then press the ENTER 🗗 button. The options are listed below

■ TV Parental Guidelines: You can block TV programs based on their ratings

Motion Picture Association of America (MPAA) has implemented a rating

This function allows you to control what your children are watching.

MPAA Rating: You can block movies based on their MPAA ratings. The

Locking/Blocking Programs or Movies

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

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

If you forget the PIN, press the remote-control buttons in the following sequence, which resets the pin to "0-0-0-0": POWER

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

■ 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

aptions function works with digital channels.

Servicel – 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 is Standard. Fort Style: Options include Default and Styles 0 to 7. The default is Style 0.

Foreground Color: Options include Default, White, Black, Red, Green, Blue, Yellow, lagenta, 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 cantions. 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, and Flashing.

Return to Default: This option sets Size, Font Style, Foreground Color, ackground Color, Foreground Opacity, and Background Opacity to its default Digital Caption Options are available only when you can select Default and Service1 ~ Service6 in Caption Mode.

The Foreground and Background cannot be set to the same color

If your Samsung Television is flickering or dimming sporadically, you may need to disable some of its energy

Boot Logo Enable or disable the display of the Samsung logo when you turn on the TV.

Possible Solution

1. Turn on your TV.

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

3. Press the MEDIA.P button on your remote. The Media Play menu appears. Using the Media Play Menu

o open Media Play in the Menu, follow these step

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

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

Media Play might not work properly with unlicensed multimedia files.
 Read the list below before using Media Play (USB)
 The file system supports FAT16, FAT32, and NTFS.
 Certain types of USB Digital camera and audio devices may not be compatible with this TV.

 Media Play only supports USB Mass Storage Class (MSC) devices.
 MSC is a Mass Storage Class Bulk-Only Transport device.
 Examples of MSC are Thumb drives and Flash Card Readers.
 Devices should be connected directive. 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 file damage or loss of data. SAMSUNG is not sponsible for any data file damage or data loss. A USB device that requires high power (more than 0.5A) may not be

 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

connecting or using a USB device, the device may not be recognized

managing billing and settlements.

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

• If an over-power warning message is displayed while you are

Auto Protection Time

Sound Problems

The speakers are making an

The picture is distorted: macroblock,

with Component cable connection

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

A "Mode Not Supported" message

the volume.

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

If the TV has no input during the time period set in Auto Protection Time, the Screen saver will run.

The power-saving mode of some external hard disk drives may be released automatically when your connect them to the TV.
If you use a USB extension cable, the TV may not recognize the USB.

dévice 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 Play, use the "Empty the Recycle Bin" function on the PC to permanently delete the file.

Photos only supports the sequential jpeg format.

The Videos option does not support the scene search and

thumbnail functions.

If the number of files and folders saved on a USB storage device is over approximately 4000, the files and folders may not appear and

 When the TV is playing a video at a bit rate of 10 Mbps or higher, the menu screens may be displayed slowly. some folders may not open.

The maximum displayed number of files, including sub folders, in Video Decoder Supports up to H.264, Level 4.1
H.264 FMO / ASO / RS, VC1 / AP L4 are not supported.
MC 2 or above is not supported. one folder of a USB storage device is 1000. The media may not play smoothly if you use a USB device rated lower than USB 2.0.

Audio Decoder WMA 10 Pro supports up to 51 channels. Supports up to the M2 profile. WMA lossles

1.In the Media Play menu, press the \blacktriangleleft or \blacktriangleright button to select Videos, and then ress the ENTER 🗗 button.

Press the $\blacktriangleleft/\blacktriangleright/\blacktriangle/\blacktriangledown$ buttons to select a video in the file list.

5. Press the ENTER → button or ▶ (Play) button. - The file name is displayed on the top of the screen with the

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

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

Videos

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

Other Restrictions

QCELP and AMR NB/WB are not supported.

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

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

orbis is supported for up to 2 channels

press the ENTER 🗗 button.

a sound problem.)

press the ENTER 🗗 button.

Music

Photos

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

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

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

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

2. Press the $\P/ \blacktriangleright / \blacktriangle / \blacktriangledown$ buttons to select the desired Music in the file list.

During music playback, you can search using the ◀ and ▶ button.
 ◄ (REW) and ► (FF) buttons do not function during play.
 Media Play only displays files with an MP3 or PCM file extension. Other file

1. In the Media Play menu, press the \blacktriangleleft or \blacktriangleright button to select Photos, then

utton on the remote control to start a slide show.

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

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

You can move to other files using ◀ or ▶ button.
 Media Play can play Music files automatically during a Slide Show if

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

To cancel a selection, press the Yellow button again.
 To deselect all selected files, press the TOOLS button, select

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

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

Press the $4/\triangleright/A/\blacktriangledown$ buttons to select a photo in the file list.

using (◄◄) (REW) or (►►) (FF) buttor

• CMYK, YCCK Color space JPEG are not supported.

A ✓ mark appears to the left of the selected files

Deselect All, and then the ENTER → button.

Background Music is set to On.

Image Photo

■ Playing selected video/music/photo files

Repeat Step 1 to select multiple files.

There is a plastic smell from the TV.

You see small particles when you look

Storage and Maintenance

License

Supported Photo Formats

JPEG

Other Restrictions

ENTER → button.

Playing Multiple Files

extensions are not displayed, even if they are saved on the same USB device

■ Playing a video/music/photo folder

1. With the folders on your USB device displayed, use the $\blacktriangleleft/\blacktriangleright/\blacktriangle/\blacktriangledown$ buttons to highlight a folder.

Press the TOOLS button, select Play Folder, and then press the ENTER 😅 button. Media Play - Additional Functions

■ Videos/Music/Photos Play Option menus When playing a file, press the TOOLS button

Category	Operation	Videos	Music	Photos
Title	You can select another video file to play directly.	√		
Repeat Mode	You can play movie and music files repeatedly.	✓	√	
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 have 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

■ DivX® Video On Demand: Shows the registration code authorized for the TV. If you connect to the DivX web site and register If the sound is abnormal when the TV plays MP3 files, adjust the Equalizer in the Sound menu. (An over-modulated MP3 file may cause vith the 10-digit registration code, you can download the VOD activation file. Once you play it using Media Play, the registration is completed. For more information on DivX® VOD, visit "http://vod.divx.com"

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

☐ Using Sports Mode TOOLS, ☐ While a photo list is displayed, press the ► (Play) / ENTER

des optimized conditions for watching soccer and other

• A (Zoom): Pauses playback and divides the picture into 9 parts. Select a part to zoom it in. $\ \ \, \ \ \,$ When Sports Mode is On, the picture and sound modes are set to

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

Support Menu

Self Diagnosis

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

■ Sound Test: Use the built-in melody sound to check for sound problems. If the problem occurs during the test, select Yes and follow the directions on the screen.

■ Signal Strength: (Digital channels only) An HD channel's reception quality is either perfect or the channels are unavailable. Adjust your antenna to increase signal strength.

■ Reset: Reset all settings to the factory defaults. The PIN input screen appears before the setup screen

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

Software Upgrade

For all other uses, select Home Use.

Installing the Wall Mount Kit

Wall Mount Kit Specifications (VESA)

screw specifications.

NOTE

The wall mount kit is not supplied, but sold separately

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

attaching to other building materials, please contact your nearest

• When purchasing our wall mount kit, a detailed installation

manual and all parts necessary for assembly are provided.

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

• Do not use screws that are longer than the standard dimension

or do not comply with the VESA standard screw specifications

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.

For wall mounts that do not comply with the VESA standard

screw specifications, the length of the screws may diffe

depending on the wall mount specifications.

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

Always have two people mount the TV on a wall.

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

With Store Demo, some functions are disabled, and the TV

automatically resets itself after a preset amount of time

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

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.

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

instructions provided with the wall mount items. Contact a techniciar for assistance when installing the wall mount bracket. Samsung

Electronics is not responsible for any damage to the product or injury

For detailed information on installing the wall mount, see the

Use Mode

Jse Mode to Store Demo.

HD Connection Guide

Contact Samsung

Software Upgrade can be performed by downloading the latest firmware

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

Do not install your Wall Mount Kit while your TV is turned on. It may

result in personal injury due to

Follow all safety precautions provided on the included Safety Flyer. For added stability, install the anti-fall device for safety purposes, as follows.

Drive the screws into the clamps and firmly fasten them onto the wall. Make sure the screws are firmly fixed into the wall.

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

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

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

The position and color may differ depending on the model

beside the "₪" icon.

Problem

Flickering and Dimming

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

Flickering and Dimming	If your Samsung Television is Tlickering or dimming sporadically, you may need to disable some of its energy efficiency features such as the Energy Saving feature. Follow the steps below with your remote to turn these features off or on. ■ Energy saving: MENU → Setup → Eco Solution → Energy Saving → Select Settings			
Component Connections / Screen Color	If you find that the color on your Samsung television's screen is not correct or black and white, first run a Self Diagnosis Test on the TV to make sure there are no device issues.			
	Self Diagnosis : User Menu → Support → Self Diagnosis → Picture Test			
	If the test is ok, try making sure ;			
	Your connections are all consistent. For example, if you've used the AV In jack on your TV, make sure you have used the AV Out jack on your video source.			
	 Try making sure you have connected to the correct jacks. For example, if you use the Component jacks, labeled Pb, Pr, and Y, to connect your TV and video source, make sure you have connected the blue Pb jack on the video source to the blue Pb jack on the TV, the red Pr jack on the source to the red Pr jack on the TV, etc. 			
Screen Brightness	If you find that the colors on your Samsung TV are correct but just a little too dark or bright, there are some settings you should check before calling for a repair.			
	Backlight, Contrast, Brightness, Sharpness, Color, Tint and so on. Go to "Picture" in the Menu, and then try adjusting these options.			
Unwanted Powering off	If your Samsung TV appears to turn off by itself, there may be an issue with either your Timer settings or your Eco friendly No Signal Power Off feature.			
	First make sure the Sleep Timer is not accidentally set. The Sleep Timer lets you fall asleep with the TV still on knowing that it will turn off after a certain period of time and not waste energy.			
	Sleep Timer : User Menu → 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 : User Menu → Setup → Eco Solution → No Signal Power			
	Auto Power Off : User Menu → Setup → Eco Solution → Auto Power Off			
Trouble Powering On	Before you turn the TV on, find the red light on the right or left bottom of your TV. Press the power on button on			
	the TV or remote and the light should blink about 5 times before the TV turns on. If you find that you are having trouble powering on your Samsung television, there are a number of things to 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 have a cable or satellite box, your TV may appear to be off because the cable or satellite box is not outputting a signal. To test the signal output of your cable or satellite box, press the guide or info button on the cable or satellite box remote control. If the screen displays the guide or info data, the problem is caused by the box.			
Stand Assembly	If you have any trouble assembling the stand, refer to "Install the Stand" in the Start Up or Stand Installation Guide.			
Cannot find a channel	Re-run Plug & Play or run Auto Program. (go to MENU - Channel - Auto Program)			
Poor Picture	First, perform the Picture Test and to see if your TV is displaying the test image properly. Go to MENU - Support - Self Diagnosis - Picture Test			
	If the test image is properly displayed, the poor picture may be caused by the source or signal.			
The TV image does not look as good as it did in the store.	If you have an analog cable/satellite box, upgrade to a digital set top box. Use HDMI or Component cables to deliver HD (high definition) picture quality.			
	Cable/Satellite subscribers: Try HD channels from the channel line up.			
	Air/Cable Antenna connection: Try HD channels after running Auto Program.			
	Many HD channels broadcast up scaled SD (Standard Definition) content. The picture quality of up scaled SD content is low.			
	Adjust the Cable/Set top box video output resolution to 1080i or 720p.			
The picture is distorted has macroblock error, small block, dots, pixelization.	 Compression of video contents may cause picture distortion, especially on fast moving pictures such as those in sports and action movies. 			
	A weak signal can cause picture distortion. This is not a TV problem.			
	Mobile phones used close to the TV (within 3.3ft) may cause noise in the picture on analog and digital channels.			
The color is wrong or missing.	 If you're using a component connection, make sure the component cables are connected to the correct jacks. Incorrect or loose connections may cause color problems or a blank screen. 			

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There is a dotted line on the edge of If the picture size is set to Screen Fit, change it to 16:9 · Change the cable/satellite box resolution

The picture is black and white • If you are using an AV composite input, connect the video cable (yellow) to the Green jack of Component Input If the TV is connected to a cable box, reset the cable box. (Disconnect and then reconnect the box's AC cord, and When changing channels, the picture then wait until the cable box reboots. It may take up to 20 minutes. Set the output resolution of the cable box to 1080i or 720p.

Perform the **Sound Test** to confirm that your TV audio is properly operating.

• 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

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

· Perform the Sound Test as explained above. No Picture, No Video The TV will not turn on • Make sure the AC power cord is securely plugged into the wall outlet and the TV. Make sure the wall outlet is working Try pressing the POWER button on the TV to make sure the problem is not the remote. If the TV turns on, refer to 'Remote control does not work' below

The TV turns off automatically. Ensure the Sleep Timer is set to Off in the Time menu If your PC is connected to the TV, check your PC power settings . Make sure the AC power cord is plugged securely into the wall outlet and the TV. When you are watching TV connected to an antenna or cable connection, the TV will turn off after 10 - 15 minutes if there is no signal. Check the cable connections. (Remove and reconnect all cables connected to the TV and external devices). There is no picture/video

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

· Reboot the connected device by unplugging and then reconnecting the device's power cable RF (Cable/Antenna) Connection The TV is not receiving all channels. · Make sure the coaxial cable is connected securely. Run Auto Program to add available channels to the channel list Go to MENU - Channel - Auto Program then select Auto and make sure the correct Cable TV signal type is set in the menu. There are 3 options. (STD, HRC and IRC) Verify the antenna is positioned correctly. No Caption on digital channels. Check the Caption Setup menu. Try changing Caption Mode Service1 to CC1. • Some channels may not have caption data.

• Compression of video contents may cause picture distortion, especially on fast moving pictures such as those in

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

· Check the supported resolution of the TV and adjust the external device's output resolution accordingly. Refer to

error, small block, dots, pixelization sports and action movies A weak signal can cause picture distortion. This is not a TV problem Purple/green rolling horizontal bars and buzzing noise from the TV speakers

• 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.

• Try pointing the remote directly at the TV from 5~6 feet away.

resolution settings in this manual.

The picture will not display in full • HD channels will have black bars on either side of the screen when displaying up scaled SD (4:3) contents. • Black bars on the top and bottom appear when movies that have aspect ratios different from your TV play on • Adjust the picture size option on your external device or change the TV to full screen. • Replace the remote control's batteries. Make sure you insert them with the polarity (+/-) correct The remote control does not work. Clean the transmission window located on the top of the remote control.

DIVX.

Caption on the TV menu is greyed out. • You cannot select Caption in the TV menu when watching content from a device connected via HDMI or Caption must be activated on the external device This smell is normal and will dissipate in a few days. TV Signal Strength is unavailable in the • This function is only available for digital channels received through an Antenna / RF/Coax connection

Self Diagnosis Test menu. TV is tilted to the right or left side. · Remove the stand base from the TV and reassemble it. The Channel menu is grey out . The Channel menu is only available when you select the TV source. Your settings are lost after 30 minutes or every time the TV is turned off. 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 You have intermittent loss of audio Check the cable connections and reconnect them. Loss of audio or video can be caused by using overly rigid or thick cables. Make sure the cables are flexible
enough for long term use. If mounting the TV to the wall, we recommend using cables with 90 degree

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

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

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

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

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

This is part of the product's design and is not a defect

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 t

Oo not spray water directly onto the product. se a failure, fire, or electric shock

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

This DivX Certified® device has passed rigorous testing to ensure it plays DivX® video To play purchased DivX movies, first register your device at vod.divx.com. Find your registration code in the

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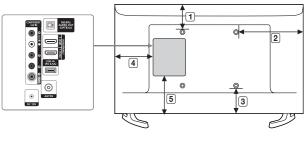
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Environmental Considerations

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 Model Name UN32J4000 UN32J5003 1920 x 1080 Display Resolution 1366 x 768 Screen Size 32" Class 32" Class (31.5" measured diagonally (31.5" measured diagonally) (Diagonal) Sound Output Dimensions (W x H x D) 29.1 x 17.1 x 2.7 inches 29.3 x 17.4 x 2.7 inches (741.0 x 436.0 x 69.0 mm) (745.4 x 442.2 x 69.0 mm) With stand

8.3 lbs (3.8 kg) With Stand

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



UN32J4000	4.5	10./	4./	8.0	6.6		
UN32J5003	4.2	10.6	4.7	7.9	6.4		
OTE: All drawings are not necessarily to scale. Some dimensions are subject to change without prior notice. Refer to the dimensions prior to performing							

ation of your TV. Not responsible for typographical or printed errors © 2016 Samsung Electronics America, Inc

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.

o prevent the TV from falling Since the necessary clamps, screws, and string are not supplied please purchase these additionally.

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

> connections for any sign of fatigue or failure. If you have any doubt about the security of your connections, contact a professional installer.

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 Kensington Lock

50°F to 104°F (10°C to 40°C)

29.3 x 18.2 x 5.9 inches 29.1 x 18.4 x 5.7 inches (745.4 x 463.1 x 150.5 mm (741.0 x 468.7 x 145.5 mm)

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

■ JACK PANEL DETAIL / REAR VIEW

Without Stand

8.3 lbs (3.8 kg)

8.5 lbs (3.9 kg

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