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

See the warranty card for more information on warranty terms 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 he in the wide screen 16.9 ratio format, or expanded to fill the een 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-in ghost images in the LED picture. To avoid this, vary the programming and images, and primarily display full screen moving images, not stationary patterns or dark bars. On LED models that offer picture sizing features, use these controls to view different formats as a full screen picture. Be careful in the selection and duration of television formats you use for viewing. Uneven LED aging as a result of format selection and use, as well as burned-in images, are not covered by your Samsung limited warranty. SAMSUNG ELECTRONICS NORTH AMERICAN LIMITED WARRANTY

STATEMENT Subject to the requirements, conditions, exclusions and limitations

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

he above described warranty repairs must be performed by a SAMSLING 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 onditions 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 or maximum repair times, exchanges or replacements, accessories, options, upgrades, or consumables. For the location of a SAMSUNG Authorized Service Center, please call

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



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.

2. Press the TOOLS button on your remote. The Tools menu appears. 3. Select Add in the Tools menu, and then press the ENTER - button. All deleted channels are shown on the All Channels list. You add nannels back to the Added Channels list on the All Channels list.

A grav-colored channel indicates the channel has been deleted from he Added Channels list. The Add menu option only appears for deleted channels

■ Add to Favorite /Delete from Favorite TOOLS : Lets you add

channels to and delete channels from your Favorites list. To add channels to the Favorites list, follow these steps:

 Select one or more channels in the All Channels list using the A/▼ buttons and the Yellow (Select) button on your remote. 2. Press the TOOLS button on your remote. The Tools menu appears. 3. Select Add to Favorite in the Tools menu, and then press the

ENTER - button To delete channels from the Favorites list, follow these steps:

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 ■ Timer Viewing: You can schedule a channel to be displayed automatically at a set time, even when you are watching anothe

channel You must set the current time first in the Time > Clock function to use Time Viewing.

To schedule a channel, follow these steps Select a channel 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 Time Viewing in the Tools menu, and then press the



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

If you select Everyday or Every Week, the date you select in the Date field becomes the start date for your scheduled viewing.

For Everyday, the TV will turn on every day, at the time you selected, starting from that date. For Everyweek, the TV will turn on every day, at the time you selected, starting from that date. For Everyweek, the TV will turn on every week, on the same day of the week as the start date you selected, at the time you selected, from that day on. If you

select Once, the TV will turn on once, on the date and time you

Still image warning

Contact SAMSUNG WORLDWIDE

Country

Web Site

u have any questions or comments relat act the SAMSUNG customer care cente

CANADA

Canada Inc

Samsung Electronics

ustomer Service

55 Standish Court

Ontario L5R 4B2 Canada

800-SAMSUNG (726-7864)

w.samsung.com/ca_fr

5. Press the ENTER - button on your remote when done.

Scheduled programs and channels are displayed in the

When you select a digital channel, press the ▶ button to view the

digital program list. If you highlight a program in the list, and then press the ENTER [] (Schedule) button, you set Timer Viewing for

■ 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.

You can only select Deselect All when one or more channels are

■ Deselect All: Deselect all the selected displayed channels.

■ Select All: Select all the channels in the displayed channel list.

Matter 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

scheduled for viewing using the **Time Viewing** function. You can view

■ Change Info: Change the scheduling information for a show or

Select the Programmed List icon on the left side of the Channel List screen, and then press the ENTER → button.

you want to change, and then press the TOOLS button. The Tools

4. Use the 4/h 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

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

Select the Programmed List icon on the left side of the Channel List screen, and then press the ENTER → button.

you want to cancel, and then press the TOOLS button. The Tools

2. On the Programmed List screen, select the show or channel entry

3. Select Cancel Schedules, and then press the ENTER → button

■ Information: Display the information for a show or channel you have

1. Select the Programmed List icon on the left side of the Channel List

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.

Viewing Info screen appears.

4. Select Change Info and press the ENTER button to change

3. Select Information, and then press the ENTER - button. The Timer

■ Select All / Deselect All: You can select or deselect all channels in

nformation, or select Close and press the ENTER - button to close

cheduled. You can also change the schedule Information

screen, and then press the ENTER 🗗 button.

To cancel a scheduled show or channel, follow these steps:

2. On the Programmed List screen, select the show or channel entry

3. Select Change Info, and then press the ENTER - button. The

Programmed List Screen Tools Menu

channel you have scheduled.

P Channel List → Programmed → 100157

change the information, follow these steps:

Press the ENTER - button when done.

he Cancel Schedule screen appears

nodify, or delete a show you have scheduled using the functions on the Programmed List screen Tools menu.

Only Added Channels can be scheduled.

that program directly.

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U.S.A

Samsung Electronics

Ridgefield Park, NJ 07660

America, Inc. 85 Challenger Road

ww.samsung.con

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

• Always try to display any image in full screen mode. Use the TV's Picture Options menu to select the optimal screen size. • Reduce brightness and contrast values to the minimum required to achieve the desired picture quality. Values that exceed the minimum may speed up the burn-in process.

 Frequently use all TV features designed to reduce image retention and screen burn-in. Refer to proper user manual section for deta

and Standard

Dynamic: Brightens the screen. Suitable for a bright room Standard: Suitable for a normal room brightness

Movie: Darkens the screen, making it less glary. Suitable for watching

Only available when the TV is connected to a PC.

Entertain: Sharpens the picture. Suitable for games

■ Backlight: Adjusts the brightness of the screen by adjusting the rightness of the individual pixe

Contrast: Increases or decreases the contrast between dark and light

■ Brightness: Adjusts the brightness of the screen. Not as effective as

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

■ Tint: Adjusts the amount of green and red in the picture. As you ncrease the amount of green, the amount of red decreases and vice When the TV is connected to a PC, you can only make changes to

Advanced Settings

Available in Standard and Movie mode only. Compared to previous models, new Samsung TVs offer a more precise

picture with more precise controls. When your TV is connected to a PC, you can only make changes to Gamma and White Balance.

■ Black Tone: Selects the black level to adjust the screen depth. Darker nake blacks look darker

Flesh Tone: Adjusts the amount of red in skin tones Color Space: Auto automatically matches the range of colors (the ariety and number of colors) available to create pictures with the color range of the video source. Native provides a color range wider

than the color range of the video source. you are viewing. A Tools menu symbol () in the lower right side of the screen indicates that a Tools menu is available. slightly vellow) and the overall color of the picture looks natural R-Offset / G-Offset / B-Offset: Adjusts how dark each color (red.

R-Gain / G-Gain / B-Gain: Adjusts how bright each color (red, green,

Reset: Resets the White Balance to it's default settings ■ Gamma: Adjusts the primary color intensity. Motion Lighting: When on, the TV automatically adjusts the

brightness of the screen in response to the brightness of the room. In bright light, the screen brightens. In dim light, the screen dims. Available in Standard mode only.

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 makes the picture bluer (cooler). Warm 1 and Warm

2 make the picture redder (warmer). Warm1 and Warm2 are deactivated when the picture mode is set

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 cut off.

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

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

HD (High Definition) has a 16:9 aspect ratio and 1080i/1080p (1920x1080) or 720p (1280x720) resolution.

You can adjust and store settings for each external device you have

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

| put Source | Picture Size |
|--|------------------------------------|
| TV, AV, Component (480i, 480p) | 16:9, Zoom1, Zoom2, 4:3 |
| TV (1080i, 1080p), Component (1080i, 080p), HDMI (720p, 1080i, 1080p) | 16:9, Wide Fit, 4:3, Screen Fit |

Digital Clean View: If the broadcast signal received by your TV is Auto Volume weak, you can activate the **Digital Clean View** feature to reduce any static and ghosting that may appear on the screen.

Because each station has its own broadcasting conditions, the volume may fluctuate each time you change the channel. This feature When the signal is weak, try all the Digital Clean View options until automatically adjusts the volume of a channel by lowering the sound output when the modulation signal is high or by raising the sound output when the modulation signal is low.

■ HDMI Black Level: For HDMI signals, select the black level to adjust SPDIF Output

The SPDIF (Sony Philips Digital InterFace) outputs an uncompress

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 format may differ depending

on the input source. By connecting the TV to a receiver or home theater with **Dolby** Digital and 5.1ch speakers and selecting Dolby Digital, you can

dimize your interactive 3D sound experience. Audio Delay: Lets you correct timing mismatches between the audio track and the video when you are watching the TV and listening to digital audio output from the TV through an external device such as an AV receiver. When you select **Audio Delay**, a slider appears. Use the left and right arrow buttons to adjust the slider. Press ENTER \blacksquare when done (0ms \sim 250ms).

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 i decoding speed between the TV's speakers and the speakers attached to your audio receiver. If this occurs, set the TV to External Speaker.

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 Balance L/R: Adjusts the balance between the right and left speaker and MUTE buttons will not operate and the sound settings will be ■ 100Hz / 300Hz / 1KHz / 3KHz / 10KHz (Bandwidth Adjustment):

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

Visual Impaired

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

Sound Reset

Resets all sound settings to the factory.

Channel Menu

e-run the Plug & Play procedure.

Auto Program

Cable

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

select your TV's signal source, Air (using an antenna) or Cable, Select

Menu > Channel > Antenna > Air or Cable. After you have selected th

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

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

If your TV is connected to a cable box or satellite box, you do not

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

If your TV is connected to an antenna choose Air, and then press ENTER 🚭 . The TV will automatically start memorizing channels.

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

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

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

3. On the Cable Type screen, use the </▶/▲/▼ buttons to select the

Channel memorization can take up to 45 minutes, depending on

This function filters out scrambled channels after **Auto Program** is completed. This process may take 20~30 minutes.

▶ Press the ENTER → button to stop Clear Scrambled Channel

type of digital and analog cable systems you have: STD, HRC, or IRC. Most systems are STD (Standard). When done, select Start, and then press ENTER . The TV will start memorizing channels

Memorized channels are added to the Added Channels list. These

need to run **Auto Program**. You will use the tuner in the box, not the tuner in the TV, to select channels.

Before your television can memorize the available channels, you r

see only snow. You must select **Air** to see a picture.

signal source, go on to the Auto Program function

To start Auto Program, follow these steps

press ENTER . Go to Step 3

vour cable system.

Clear Scrambled Channel

This function is only available in Cable mode

emote. The Antenna Source screen app

■ Memorizing Channels

See your list of Added channels, Favorite channels, or channels you've scheduled for viewing. Add or delete Favorite channels, add or delete If you are not using a cable box or satellite box, when you first set up your TV using **Plug & Play**, the TV memorized the channels that were channels from the Added Channels list, schedule channels or programs for viewing. Select a channel to watch on the All Channels, Added Channels, or Favorite screen by pressing the ▲/▼ buttons, and then available over the air or through your cable system and added them to the **Channel List**. The **Antenna** and **Auto program** functions described ressing the ENTER A button pelow let you re-run the channel memorization function without having to

Channel List

■ Managing Channels

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



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

■ 📞 All Channels: Shows all currently available channels including those you deleted from the Added Channels list

Added Channels: Shows all Added Channels. These are the channels that appear when you press the CH button.

1. Push MENUⅢ → Channel → Auto Program → ENTER → on your ■ Favorite: 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 \checkmark mark appears. Repeat to select additional channels. Then, open the Tools menu and apply a

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

menus may differ depending on the situation.) Next Program): Displays next programs.

Display Icons Used in the Channel List Screens

| lcons | Meaning |
|-------|---------------------|
| ~ | A selected channel. |
| 9.0 | A Favorite channel |

A reserved program.

are the channels you will see when you use the Channel buttons on The Channel List Tools Menu Channel List → TOOLST

The Channel List Tools menu contains most of the functions you can us

on the All Channel, Added Channels, and Favorite List scree view, select a list screen, select a channel, and then press the TOOLS Add / Delete: Delete a channel from or add a channel to the Added

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 CH

□ Other Features

Game Mode

the TV displays the best picture

Picture Reset

Sound Menu

Mode Tools, □

Equalizer

DTS TruSurround

Preferred Language

Multi-Track Sound

Analog channels only.

Digital channels only.

■ MPEG Noise Filter: Reduces MPEG noise to provide improved

■ 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)

■ LED Clear Motion: Removes drag from fast scenes with a lot of movement to provide a clear picture.

the screen depth. Low make blacks look darker.

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

Resets the picture settings to their factory defaults.

■ Standard: Selects the normal sound mode.

Movie: Provides the best sound for movies.

■ Clear Voice: Emphasizes voices over other sounds.

Reset: Resets the equalizer to its default settings.

better listening experience for the hearing impaired

■ Amplify: Increase the intensity of high-frequency sounds to allow a

DTS TruSurround is a patented DTS technology that solves the problem

of playing 5.1 multichannel content through two speakers. TruSurround delivers a compelling, virtual surround sound experience through any

wo-speaker playback system, including internal television speakers. It

Digital-TV broadcasts can transmit many audio tracks simultaneously (for example, simultaneous translations of a program into foreign languages).

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

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

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

You can only select a language from among the ones being

■ Stereo: Select for channels that are broadcasting in stereo

Music: Emphasizes music over voices.

Available in Standard sound mode only.

Available in Standard sound mode only.

fully compatible with all multichannel formats

having difficulty receiving a stereo signal.

a foreign-language translation.

to your TV, you can enjoy a more realistic gaming experience by turning on the Game Mode function.

. 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.

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

The Program Rating Lock feature lets you block programs you've determined are inappropriate for your children based on the program's ratings. To access the **Program Rating Lock** feature and make any changes, you must enter a PIN (personal identification number). To vatch a blocked program, you must also enter the same PIN. Program Rating Lock is not available in HDMI or Component

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.

When you access the **Program Rating Lock** Menu functions for the first time, the PIN input screen appears. Enter 0-0-0-0. The PIN screen closes and the **Program Rating Lock** Menu appears. Every time you ess the **Program Rating Lock** functions, the PIN screen will appea

ENTER → key again. Depending on what type of programs or movies TV Parental Guidelines: You can block TV programs based on their

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

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

Canadian French: You can block TV programs based on their French Downloadable U.S. Rating: You can use parental restriction information while watching DTV channels.

Locking/Blocking Programs or Movies

You lock or block programs and/or movies in essentially the same way for each option. Each option displays a grid or table. All the tables have ratings listed on the left. The TV Parental Guidelines option also has kinds of content listed across the top: ALL: Lock all TV ratings. / FV: Fantasy violence / V: Violence / S: Sexual situation / L: Adult Language D: Sexually Suggestive Dialog. To lock/block movies or shows with certain ratings and/or kinds of

content, click the square next to the rating and/or under the kind of content. A lock appears. To unlock/unblock, click the square again When you click a low rating, all the ratings above it will also display locks. You can also Allow All or Lock All. When done, press the RETURN button on your remote.

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

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)

(On-Screen Text Dialogue)

■ 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

channels only) The Digital Captions function works with digital Service1~6 may not be available in digital caption mode depending

■ 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, Bed

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

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

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

has been pressed. When no sound is output from the TV because the volume has

been reduced to minimum with the VOL - button When the TV is turned off by Sleep Timer function

■ Energy Saving: Lets you adjust the brightness of the TV to reduce er consumption. If you select Picture Off, the screen is turned off, Enjoy photos, music and/or movie files saved on a but the sound remains on. Press any button except the volume button

USB Mass Storage Class (MSC) device. to turn on the screen.

■ Eco Sensor: To enhance your power savings, the picture settings automatically adapt to the light in the room. If you adjust the Backlight, the Eco Sensor will be set to Off. Min. Backlight: When Eco Sensor is On, the minimum screen

orightness can be adjusted manually. If Eco Sensor is On, the display brightness may change (become 1. Turn on your TV.

ode if no picture is being received Disabled when an attached PC is in power saving mode. ■ Auto Power Off: The TV will automatically turn off when no user

peration is detected for 4 hours. Auto Protection Time

If a still image remains on the screen for an amount of time you define he screen saver is activated to prevent the formation of ghost images

Support Menu

Self Diagnosis

on the screen.

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

Sound Test: Use the built-in melody 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

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

HD Connection Guide Refer to this information when connecting external devices to the TV.

Contact Samsung

few this information when your TV does not work properly or when you want to upgrade the software. You can find information regarding our call

Media Play



☐ Connecting a USB Device

slightly darker in most cases) depending on the surrounding light

2. Connect a USB device containing photo, music, and/or movie files to he USB jack on the back of the TV. A pop up window appears ■ No Signal Power Off: Sets how quickly the TV switches to standby

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

Need-to-Know List before using Media Play (USB)

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

to protect them from damage or loss of data. SAMSUNG is not

 Do not disconnect the USB device while it is loading. . The higher the resolution of the image, the longer it takes to

(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

recognized or may malfunction. If the TV has no input during the time period set in Auto

Protection Time, the Screensaver will run.

USB device or may not be able to read the files on the device.

o open Media Play in the Menu, follow these steps 2. Press the ▲ or ▼ button to select Media Play (USB), and then

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

Supported file systems are FAT and NTFS

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.

esponsible for any data file damage or data loss. A USB device that requires high power (more than 0.5A) may not

display on the screen.

managing billing and settlements. PTP devices are not supported.

The power-saving mode of some external hard disk drives may be

• 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

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The On Screen Menus

Your TV has two kinds of menus, the Main menu and the various Tools menus. The Main menu gives you access to most or all of the menu options available on your TV. The Tools menus display a selected number of frequently used menu options that change depending on the screen

The Main menu has seven primary categories: Sound
 Channel Application
 Support Input

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

The menu options that appear in the Main menu depend on the

a Tools menu, press the TOOLS button on your remote

Source you have selected. For example, if you have selected the HDMI source, the Channel category will not appear. To see the Channel category, you must first select TV in the Source List. The Menu options are presented below, arranged by Main menu categories. A Tools button symbol (TOOLS) next to an option name

Picture Options indicates the option is also available in one of the Tools menus.

Mode TOOLS

Picture Menu

Select your preferred picture mode. When your TV is connected to a PC, you can only select Entertain

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

M Sharpness: Sharpens or dulls the edges of objects.

Backlight, Contrast, Brightness, and Sharpness.

Dynamic Contrast: Adjusts the screen contrast.

The Clock Set screen appears. Use the ▲/▼ buttons to change the values in each field or use the number buttons to enter the values with all the fields, press ENTER .

90, 120, 150 and 180 minutes) To cancel the Sleep Timer, select Off.

Select the channel, and then select Fine Tune Fine tuned channels that have been saved are marked with an

Setup Menu

Analog channels only.

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

1. Select Setup >Time > Clock.

Choose between English, Español, and Français

Time time you set will appear when you press the INFO butto

2. Press ENTER 🚭 and select Auto or Manual, and then press ENTER - again If you selected Auto:

 Select Time Zone, and then press the ENTER → button. Use the ▲/▼ buttons to select your Time Zone, and then press Select DST (Daylight Savings Time), and then press ENTER . Select On if you want to turn the DST adjustment on and off manually. Select Off to turn off the DST adjustment. Select Auto if you want the TV to adjust to DST automatically. Press ENTER . when done.

DST and Time Zone function are only available when the Clock

☐ Other Channel Menu Functions Channel Mode

Lets you select the channel list displayed when you press the ACHV Channel) button on your remote. For example, if you select Favorite Channels, you will only see Favorite channels when you press the ∧CH∨ button. Fine Tune

If the reception is clear, you do not have to fine tune the channel, as this s done automatically during the search and store operation. If the signal s weak or distorted, fine tune the channel manually.

sterisk "*" on the right-hand side of the channel number in the channel banner. To reset fine-tuning, select the channel, select Fine Tune, and then select Reset on the Fine Tune screen.

Plug & Play

Language Set the menu language

□ Setting the Time

■ Clock: Set the clock so you can use the various timer features of the If you disconnect the power cord, you have to set the clock again. To set the clock, follow these steps:

The TV will automatically download the correct time from a digital

If you selected Manual:

Available only when Clock Mode is set to Manual. Sleep Timer 10037 Automatically shuts off the TV after a preset period of time. (30, 60,

Timer 1 / Timer 2 / Timer 3 Turns the TV on and off automatically at times and days you select. You can set three different on/off timer settings. You must set the clock first. On Time / Off Time: Set the hour, minute, am/pm, and Activate/

Inactivate fields for 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 back contents such as photo or additiones. Ose the ¬/> buttons it move to the Contents field, and then press the ENTER → buttons. The Contents screen appears. Use the ◄/► buttons to move from

Antenna: Displays the current antenna source. Air or Cable - Channel: If you have selected TV, select the desired channel. a folder containing MP3 (Music) or JPEG (Photo) files on the USB

field to field. Use the ▲/▼ buttons to change the values in each field.

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

The maximum number of files the TV can display, including sub folders, in one folder of a USB storage device is 2000. The media may not play smoothly if you use a USB device rated wer than USÉ 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) button to select the Root folder, and then press the RETURN

3. Use the ▲/▼ buttons to highlight a folder that contains music or

button. The Timer screen re-appears.

and then press the ENTER → button.

press either the ENTER - or RETURN button.

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,

When you are finished making all your selections on the Timer screen,

photos, and then press the Yellow (Select) button to select the folder

Precautions and limitations for game mode: Before you disconnect the game console and connect another

press the ENTER 🗗 button. The options are listed below: ratings. This function allows you to control what your children are

When you connect a game console such as a PlayStation™ or Xbox™

xternal device, set Game Mode to Off in the setup menu

Program Rating Lock

and you must enter a PIN. When the Program Rating Lock screen appears, select Program
Rating Lock, and then press ENTER ⊡. Select On, and then press the

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

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.

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

Background Opacity: This adjusts the opacity of the caption background. Options include Default, Transparent, Translucent, Solid

Set so that a melody plays when the TV is turned on or off. The Melody does not play:

When no sound is output from the TV because the MUTE button

enters and how to download products and software.

Using the Media Play Menu . Application on the left, and then press the ENTER 🗗 button.

Media Play might not work properly with unlicensed multimedia

Media Play only supports USB Mass Storage Class (MSC)

 If a file is corrupted or the TV does not support the file type, the "Not Supported File Format" message appears. The TV cannot play MP3 files with DRM that have been downloaded from a for-pay site. Digital Rights Managemen

If an over-power warning message is displayed while you are connecting or using a USB device, the device may not be

released automatically when you connect them to the TV. If you use a USB extension cable, the TV may not recognize the

2013-02-28 🖾 3:05:40

- If a file you deleted from the PC is still found when you run Media Supported Video Formats Play, use the "Empty the Recycle Bin" function on the PC to permanently delete the file.
- Photos only supports the sequential jpeg format.
- The Videos option does not support the scene search and thumbnail functions. If the number of files and folders saved on a USB storage device is over approximately 4000, the files and folders may not appear and
- some folders may not open. The maximum number of files the TV can display, including sub
- folders, in one folder of a USB storage device is 2000. The media may not play smoothly if you use a USB device rated

lower than USB 2.0.

In the Media Play menu, press the ◀ or ▶ button to select Videos, and then press the ENTER ➡ button.

- 2. Press the ◄/▶/▲/▼ buttons to select a video in the file list.
- 3. Press the ENTER → button or ► (Play) button.
- The file name is displayed on the top of the screen with the playing If video time information is unknown, playing time and the progress.
- bar are not displayed. - During video playback, you can search using the ◀ and ▶
- In this mode, you can play movie clips contained in a game, but you cannot play the game itself.
- Supported Subtitle Formats

SubStation Alpha

MPEG-4 Timed text

The picture is black and white.

Sound Problem

The TV will not turn on.

The TV turns off automatical

There is no picture/video

RF(Cable/Antenna) Connection The TV is not receiving all channels

No Caption on digital channels

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

Purple/green rolling horizontal bars and

The remote control does not work,

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

A "Mode Not Supported" message

Caption on the TV menu is greyed out.

UF5000_39_ZA_BN68-04459E_ENG-US.indd 2

There is a plastic smell from the TV.

buzzing noise from the TV speakers with Component cable connection.

When changing channels, the picture freezes or is distorted or delayed.

| - External | | | | |
|---------------------------|----------------|--|--|--|
| 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 | | | |

Text Format

Text Format

Text Format

Text Format

the cable box reboots. It may take up to 20 minutes

There is no sound or the sound is too low at Check the volume control of the device (Cable/Sat Box, DVD, Blu-ray, etc.) connected to your TV.

The speakers are making an inappropriate

• Check the cable connections. Make sure a video cable is not connected to an audio input.

· Perform the Sound Test as explained above.

• Ensure the Sleep Timer is set to Off in the Time menu.

Make sure the coaxial cable is connected securely.

Verify the antenna is positioned correctly.

· Some channels may not have caption data.

. If your PC is connected to the TV, check your PC power settings Make sure the AC power cord is plugged into the wall outlet and TV securely.

Make sure the wall outlet is working.

Set the output resolution of the cable box to 1080i or 720p

Perform the Sound Test to confirm your TV's audio is working properly. (Go to MENU - Support - Self Diagnosis - Sound Test)

If the audio is OK, the sound problem may caused by the source or signal.

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 if you have the cable box's audio output connected to your TV using an HDMI cable.

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

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

• For Antenna or Cable connections, check the signal information. A weak signal may cause sound distortion.

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

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

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)

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

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.

 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.

Replace the remote control batteries. Make sure you install the new batteries with their polarity (+/-) correct.

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.

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.

Try pressing the POWER button on the TV to make sure the problem is not caused by the remote. If the TV turns on, refer to 'Remote control does not work' below.

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

Advanced to the state of t

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

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

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

Caption must be activated on the external device.

This smell is normal and will dissipate over time.

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

Be sure that the TV is set to the correct source by pressing the SOURCE button on the remote control.

- Other Restrictions

MKV

MKV

MKV

MP4

 Video content will not play, or not play correctly, if there is an error in the content or the container. Sound or video may not work if the contents have a standard bit rate/ frame rate above the compatible Frame/sec listed in the Supported Video Formats table.

6~30 30Mbps

1920x1080 6~30 30Mbps

1920x1080 6~30 30Mbps

1920x1080 6-30 30Mbps

1920x1080 6~30 30Mbps

1920x1080 24/25/30 30Mbps

1920x1080 6~30 30Mbps

1920x1080 6~30 30Mbps

30Mbps

24/25/30 30Mbps

6~30 30Mbps

- If the Index Table contains an error, the Seek (Jump) function will not • The menu may take longer to appear if the video's bit rate exceeds
- Video content may not be play if there is too much content in one file.

. 264 BP/ MP/HP

- Supports up to H.264, Level 4.1 H.264 FMO / ASO / RS, VC1 SP / MP / AP L4 and AVCHD are not
- MPEG4 SP. ASP
- Below 1280 x 720: 60 frame max Above 1280 x 720: 30 frame max
- H.263 is not supported. GMC is not support.

Audio Decoder Supports up to WMA7, 8, 9 STD, 9 PRO, and 10 PRC WMA 9 PRO and WMA 10 PRO support 5.1 channel (LBR mode of WMA Pro is not supported.)

WMA Lossless is not supported.

. If you are using an AV composite input, connect the video cable (yellow) to the Green jack of Component input 1 on the

• If the TV is connected to a cable box, reset the cable box. (Disconnect and then reconnect the box's AC cord and wait until

- 1. In the Media Play menu, press the ◄/▶ buttons to select Music,
- 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.
- Media Play only displays files with MP3 file extensions. Other file extensions are not displayed, even if they are saved on the same
- If the sound is abnormal when playing MP3 files, adjust the Equalizer in the Sound menu. (An over-modulated MP3 file may cause a sound problem.)

Photos

- 1. In the Media Play menu,, press the ◀ or ▶ button to select Photos, then press the ENTER # button. 2. Press the </▶/▲/▼ buttons to select a photo in the file list.
- 3. Press the ENTER → button or ► (Play) button.
- While a photo list is displayed, press the (Play) / ENTER button on the remote control to start a slide show.
- . All files in the file list section will be displayed in the slide show.
- During the slide show, files are displayed in order.
- During the slide show, you can adjust the slide show speed using (◄) (REW) or (►) (FF) button. You can move to other files using the ◀ or ▶ button.
- · Media Play can play Music files automatically during a Slide Show if Background Music is set to On.
- You cannot change the Mode in Background Music until the Background Music file has finished Lodding.

| packground Music life has liftished loading. | | | | | |
|--|-------------|--------------|--|--|--|
| Image | Photo | Resolution | | | |
| JPEG | Base-line | 15360 x 8704 | | | |
| | Dragragatic | 1004 × 760 | | | |

Other Restrictions

CMYK and YCCK color space JPEGs are not supported.

- Playing Multiple Files ■ Playing selected video/music/photo files 1. On the File List screen, highlight a file, and then press the Yellow
- 2. Repeat Step 1 to select multiple files.
- NOTE
- A

 mark appears to the left of the selected files. To cancel a selection, press the Yellow button again
- To deselect all selected files, press the TOOLS button, select Deselect All, and then the ENTER button.
- 3. Press the TOOLS button, select Play Selected Contents, and then press the ENTER - button.
- Playing a video/music/photo folder
- With the folders on your USB device displayed, use the ◄/►/▲/▼ buttons to highlight a folder.

TV **Signal Strength** is unavailable in the **Self Diagnosis** Test menu.

TV is tilted to the right or left side.

The Channel menu is greyed out

Your settings are lost after 30 minutes or every time the TV is turned off.

You see small particles when you look closely at the edge of the frame of the TV.

Storage and Maintenance

prevent scratches.

DIVX.

License

2. Press the TOOLS button, select Play Folder, and then press the

You have intermittent loss of audio or video. Check the cable connections and reconnect them

You can watch detailed troubleshooting videos at www.samsung.com/spsn.

Media Play - Additional Functions

■ Videos/Music/Photos Play Option menu

| | When playing a fil | e, press the TOOLS button | , | | |
|-----|---------------------------------------|---|----------|----------|----------|
| | Category | Operation | Videos | Music | Photo |
| | 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 Setting | 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. | | | ~ |
| Ν | 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. | ~ | ✓ | ~ |

Settings

This function is only available for digital channels received through an Antenna/RF/Coax connection.

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 🚭.

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.

Remove the stand base from the TV and reassemble it.

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

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

dark pixels on the screen. These pixels will have no impact on the performance of the product.

Some functions and pictures shown in this manual are available on specific models only.

Do not spray water directly onto the

The terms HDMI and HDMI High-Definition Multimedia Ir Licensing LLC in the United States and other countries.

product. Any liquid that goes into the

oroduct may cause a failure, fire, or electric

The Channel menu is only available when you select the TV source.

🗞 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

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

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

🦠 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

ABOUT DIVX VIDEO: DivX® is a digital video format created by DivX, LLC, a subsidiary of Rovi Corporation. This is an official DivX Certified® device that plays DivX video. Visit divx. com for more information and software tools to convert your files into DivX videos. ABOUT DIVX VIDEO-ON-DEMAND: This DivX Certified® device must be registered in order to play purchased DivX Video-on-Demand (VOD) movies. To obtain your registration code, locate the DivX VOD section in your device setup menu. Go to vod. divx.com for more information on how to complete your registration. Covered by one or more of the following U.S. patents: 7,295,673; 7,460,688; 7,515,710; 7,519,274 DivX®, DivX Certified® and associated logos are trademarks of Rovi Corporation or its subsidiaries and are used under license.

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Manufactured under a license from U.S. Patent No's: 6,285,767, 8,027,477, 5,319,713, 5,333,201, 5,638,452, 5,771,295, 5,970,152, 5,912,976, 7,200,236, 7,492,907, 8,050,434, 7,720,240, 7,031,474, 7,907,736 and 7,764,802. DTS, the Symbol, and DTS and the Symbol together are registered trademarks & DTS Studio Sound is a trademark of DTS, Inc. @2012 DTS, Inc. All Rights Reserved.

Using the Setup Menu

- DivX® Video On Demand: Shows the registration code authorized for the TV. If you connect to the DivX web site and register with the 10-digit registration code, you can download the VOD activation file. Once you run the file 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

Other Information

Installing the Wall Mount Kit

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

For detailed information about installing the wall mount, see the instructions provided with the wall mount kit. 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 separately

Install your wall mount on a solid wall perpendicular to the floor. If you are attaching the wall mount to a wall made of building materials other than drywall, please contact your nearest dealer for information about the appropriate mounting hardware. If you install the TV on a ceiling or slanted wall, it may fall and result in severe personal injury.

Clean the product with a soft cloth

thinners) or a cleaning agent.

dampened with in a small amount of water. Do not use a flammable liquid (e.g. benzene,

Kensington Lock

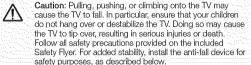
- Standard dimensions for wall mount kits are shown in the table The Kensington Lock is not supplied by Samsung. It is a device used to physically fix the system when using it in a public place. Refer to the manual provided with the Kensington Lock for additional information on When purchasing our wall mount kit, a detailed installation manual Do not use screws that do not comply with the VESA standard
- Please find a "⋒" icon on the rear of the TV. The Kensington slot is Do not use screws that are longer than the standard dimension or do not comply with the VESA standard screw specifications. The position and color may differ depending on the model.

Assembling the Stand Wire Holder



Display Modes (HDMI/DVI Input)

| D01 | DO NOT HOUR THE TV AT HOTE WAIT A 15 degree wit. | | | ***************** | | | ~~~~~~~ | | | |
|--|--|---|---|-------------------|-------------|------------------------|-------------------------------|----------------------------|-----------------------------------|----------------------|
| Always have two people mount the TV on a wall. | | | Optimal resolution: 1920 x 1080@60Hz | | | | | | | |
| Product Family | TV size in inches | VESA screw hole specs (A * B) in millimeters | Standard Screw | Quantity | Mode | Resolution | Horizontal Frequency (KHz) | Vertical Frequency (Hz) | Pixel Clock Frequency (MHz) | Sync Poli (H / V) |
| | 19~22 | 75 X 75 | M4 | - 4 | IBM | 720 x 400 | 31.469 | 70.087 | 28.322 | -/+ |
| | | 1001/100 | | | MAC | 640 x 480 | 35.000 | 66.667 | 30.240 | -/- |
| | 26-28 | 100 X 100 | | | | 832 x 624 | 49.726 | 74.551 | 57.284 | -/- |
| LED-TV | 32-42 | 200 X 200 | M8 | | | 1152 x 870 | 68.681 | 75.062 | 100.000 | -/- |
| | 32-42 | 200 X 200 | | | | 640 x 480 | 31.469 | 59.940 | 25.175 | -/- |
| | 46~60 | 400 X 400 | 1410 | | | 640 x 480 | 37.861 | 72.809 | 31.500 | -/- |
| | | | | | | 640 x 480 800 x 600 | 37,500 | 75,000 | 31.500 | -/- |
| 1 | | | | | 800 x 600 | 37.879 48.077 | 60.317 72.188 | 40,000 50,000 | +/+ | |
| Constant of the last of the la | | | | | 800 x 600 | 46.875 | 75.000 | 49,500 | +/+ | |
| В | The state of the s | A Do not install you | △ Do not install your Wall Mount Kit while your | | | 1024 × 768 | 48.363 | 60.004 | 65,000 | -/- |
| B I | | TV is turned on. It may result in personal | | | | 1024 × 768 | 56,476 | 70.069 | 75,000 | -/- |
| | | injury due to electric shock. | | | VESA DMT | 1024 x 768 | 60.023 | 75.029 | 78.750 | +/+ |
| | | | | | | 1152 x 864 | 67.500 | 75.000 | 108.000 | +/+ |
| | | | | 1280 x 720 | | 45.000 | 60.000 | 74.250 | +/+ | |
| | | | | | | 1280 x 800 | 49.702 | 59.810 | 83.500 | -/+ |
| | Securing the TV to the Wall | | | | | 1280 x 1024 | 63.981 | 60.020 | 108,000 | +/+ |
| Securin | | | | | | 1280 x 1024 | 79.976 | 75.025 | 135.000 | +/+ |
| | | | | | 1366 x 768 | 47.712 | 59,790 | 85,500 | +/+ | |
| Caution: Pulling, pushing, or climbing onto the TV may cause the TV to fall. In particular, ensure that your children | | | | 1440 × 900 | 55.935 | 59.887 | 106,500 | -/+ | | |
| | | | | 1600 x 900RB | | 60,000 | 108,000 | +/+ | | |
| | | | | 1680 x 1050 | 65.290 | 59.954 | 146.250 | -/+ | | |
| do not hang over or destabilize the TV. Doing so may cause | | | | | 1920 x 1080 | 67.500 | 60.000 | 148.500 | +/+ | |



To prevent the TV from falling

TV Holder kits are sold separately. To purchase a TV Holder kit, contact Samsung Customer Care.

1. Insert the screws into the wall brackets and firmly fasten them to the

and all parts necessary for assembly are provided

not liable for these kinds of accidents.

fails to follow the product installation instructions

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

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

For wall mounts that do not comply with the VESA standard screw

specifications, the length of the screws may differ depending on the wall mount specifications.

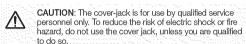
Do not fasten the screws too firmly. This may damage the product or cause the product to fall, leading to personal injury. Samsung is

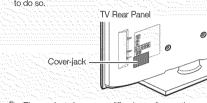
Samsung is not liable for product damage or personal injury when a non-VESA or non-specified wall mount is used or the consumer

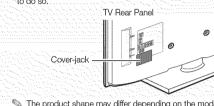
screw specifications.

- wall. Make sure the screws are firmly fixed to the wall. We strongly recommend you drive the screws into a stud.
- 2. Insert the screws through the TV brackets, and then fasten the screws to the top VESA screw holes on the back of the TV.
- 3. Connect the brackets on the TV and the brackets on the wall with a strong string or cable, and then tie the string or cable tightly to the
- 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.
- Connect the string or cable so that the brackets on the wall are at the same height or lower than the brackets on the TV. Untie the string or cable before moving the TV

Caution of the cover-jack







The product shape may differ depending on the model

JACK PANEL DETAIL / REAR VIEW

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Troubleshooting

Flickering and Dimming

Component Connections

Screen Brightness

Trouble Powering On

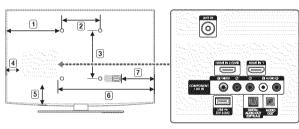
Stand Assembl

Poor picture

Cannot find channel

small block, dots, pixelization.

There is a dotted line on the edge of the



(7) NOTE: All drawings are not necessarily to scale. Some dimensions are subject to change without prior notice. Refer to the dimensions prior to

Specifications

License - ICU 1.8.1 and later

| - opcomoducno | |
|--|--|
| Environmental Considerations Operating Temperature Operating Humidity Storage Temperature Storage Humidity | 50°F to 104°F (10°C to 40°C) 10% to 80%, non-condensing -4°F to 113°F (-20°C to 45°C) 5% to 95%, non-condensing |
| Model Name | UN39PH5000 |
| Display Resolution | 1920 x 1080 |
| Screen Size (Diagonal) | 39° Class (38.5° measured diagonally) |
| Sound Output | 10W×2 |
| Dimensions (W x H x D) Body With stand | 35.2 X 20.9 X 3.6 inches (895.9 X 532.5 X 93.2 (mm)) 35.2 X 23.2 X 8.9 inches (895.9 X 589.3 X 227.6 (mm)) |
| Weight Without Stand | 17.1 lbs (7.8 kg) |

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dts

edts

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With Stand

This device is a Class B digital apparatus.

Err information about your TV's power requirements and more about power consumption, refer to the label attached to the product. Typical power consumption is measured according to Energy Star Program requirements for televisions.

2013-02-28 🖾 3:05:47

21.6 lbs (9.8 kg)

If you find that the color on your Samsung television's screen is not correct or black and white, first run a **Self Diagnosis** test on the TV to make sure there are no device issues.

• Self Diagnosis : MENU \rightarrow Support \rightarrow Self Diagnosis \rightarrow Picture Test If the test is ok, try making sure: ** Your connections are all consistent. For example, if you've used the AV In jack on your TV, make sure you have used the AV Out jack on your video source.

Try making sure you have connected to the correct jacks. For example, if you use the Component jacks, labeled Pb, Pr,

and Y, to connect your TV and video source, make sure you have connected the blue Pb jack on the video source to the blue Pb jack on the TV, the red Pr jack on the source to the red Pr jack on the TV, etc. 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

If your Samsung television is flickering or dimming sporadically, you may need to disable some of its energy efficient features like the Eco Sensor or the Energy Saving feature. Using your remote, follow the steps below to turn these features off or

• Backlight, Contrast, Brightness, Sharpness, Color, Tint (G/R) and so on. Go to "Picture" on the User Menu, and then 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 your Sleep Timer is not accidentally set. The Sleep Time 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 • Sleep Timer : MENU \rightarrow Setup \rightarrow Time \rightarrow Sleep Timer If the Sleep Timer is not activated, you may have engaged the No Signal Power Off or Auto Power Off feature.

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

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. com, then click on Support, or call Samsung customer service at 1-800-SAMSUNG.

• Energy Saving : MENU → Setup → Eco Solution → Energy Saving

Eco Sensor : MENU → Setup → Eco Solution → Eco Senso

 Auto Power Off : MENU → Setup → Eco Solution → Auto Power Off 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 hav

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 any trouble assembling the stand, refer to "Install the Stand" in the Start Up or Stand Installation Guide.

First, perform the Picture Test and to see if your TV is properly displaying the test image.

Go to MENU - Support - Self Diagnosis - Picture Test If the test image is properly displayed, the poor picture may be caused by the source or signal. 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 SD contents upscaled to HD. The picture quality of upscaled SD content is low. Adjust the Cable/Set top box video output resolution to 1080i or 720p. Compression of video contents may cause picture distortion, especially on fast moving pictures such as pictures from The picture is distorted: macroblock error, sports and action movies.

 Mobile phones used close to the TV (within 3.3ft) may cause noise in the picture on analog and digital channels. 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. Color is wrong or missing. Adjust the Picture options in the TV menu. (Go to Picture Mode / Color / Brightness / Sharpness) There is poor color or brightness. Adjust the Energy Saving option in the TV menu. (3o to MENU - Setup - Eco Solution - Energy Saving)
Try resetting the picture to view the default picture setting. (Go to MENU - Picture - Picture Reset)

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

performing installation of your TV. Not responsible for typographical or printed errors.