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

Wide screen format LED Displays (16:9, the aspect ratio of the screen width to height) are primarily designed to view wide screen format full-motion video. The images displayed on them should rimarily 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, riewing other stationary images and text such as stock market reports, 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 in Canada, and in Canada on SAMSUNG products purchased in the United States, for the warranty period originally specified, and to the Original Purchaser only. The above described warranty repairs must be performed by a

SAMSUNG Authorized Service Center. Along with this Statement, the Original Limited Warranty Statement and a dated Bill of Sale as Proof of Purchase must be presented to the Service Center



■ Add to Favorite/Delete from Favorite TOOLS : Lets you add channels to and delete channels from your Favorites list

▲/▼ 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.

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

appears.

press the ENTER 🚭 button. ■ Timer Viewing: You can schedule a channel to be displayed automatically at a set time, even when you are watching another

To schedule a channel, follow these steps:

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

buttons and the Yellow Select button on your remo

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

3. Select **Time Viewing** in the Tools menu, and then press the **ENTER** button. The Time Viewing screen appears.



number keypad on your remote.

the purchaser. Conditions covered are limited only to manufacturing defects in material or workmanship, and only those encountered in normal use of the product. Excluded, but not limited to, are any originally specified provisions for, in-home or on-site services,

> accessories, options, upgrades, or consumables. For the location of a SAMSUNG Authorized Service Center, please

minimum or maximum repair times exchanges or replacements

— 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 mage elements (such as TV channel logos, TV shows or movies in panorama or 4:3 format, stock or news scroll bars, etc.) on the screen. The constant display of still pictures can cause ghosting or mage burn-in (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

### Contact SAMSUNG WORLDWIDE

If you have any questions or comments relating to Samsung products, please contact the SAMSUNG customer care center

Country	CANADA	U.S.A.
Address	Samsung Electronics Canada Inc., Customer Service 55 Standish Court Mississauga, Ontario L5R 4B2 Canada	Samsung Electronics America, Inc. 85 Challenger Road Ridgefield Park, NJ 0766
Customer Care Center 2	1-800-SAMSUNG(726-7864)	
Web Site	www.samsung.com/ca (English) www.samsung.com/ca_fr (French)	www.samsung.com/us

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

button. The Tools Menu appears. 3. Select Information, and then press the ENTER button.

The Time Viewing Information screen appears

4. Select Change Info and press the ENTER button ENTER button to close the Information screen.

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

### ☐ Other Channel Menu Functions Channel Mode (Added Channels/Favorite

# Channels)

Lets you select the channel list displayed when you press the **^CH✓** (Channel) button on your remote. For example, if you elect Favorite Channels, you will only see Favorite channels when vou press the **∧CH∨** button.

## **Fine Tune**

Analog channels only

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

Sine tuned channels that have been saved are marked with an asterisk "\*" on the right-hand side of the channel number in the channel banner.

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

# Setup Menu

# Plug & Play

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

## Language

Choose between English, Español, and Français.

## □ Setting the Time

The time you set will appear when you press the INFO

button ■ Clock: Set the clock so you can use the various timer features

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

### **Advanced Settings**

ailable in Standard and Movie mode only Your TV has two kinds of menus, the Main menu and the various Compared to previous models, new Samsung TVs offer a more Tools menus. The Main menu gives you access to most or all of precise picture with more precise controls

> When your TV is connected to a PC, you can only make changes to Gamma and White Balance.

■ Color Space (Auto / Native): Auto automatically matches the range of colors available to create pictures to the color range of the video source. Native provides a color range wider than the color range of the video source

■ White Balance: Adjusts the color temperature of the picture so that white objects look white (instead of for example slightly pink or slightly yellow) and the overall color of the picture looks

R-Offset / G-Offset / B-Offset: Adjusts each color's (red, green, blue) darkness R-Gain / G-Gain / B-Gain: Adjusts each color's (red, green,

blue) brightness. Reset: Resets the White Balance to it's default settings

■ Gamma: Adjusts the primary color intensity ■ Dynamic Contrast (Off / Low / Medium / High): Adjusts the

■ Black Tone (Off / Dark / Darker / Darkest): Selects the black level to adjust the screen depth. Darker settings make blacks

■ Flesh Tone: Adjusts the amount of red in skin tones.

■ Motion Lighting (Off / On): 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

### **Picture Options**

screen contrast

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 / Warm1 / Warm2): 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 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 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 may cause image retention (screen burn) which is not covered by the warranty.

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

MD (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 Source are listed below:

### To set the clock, follow these steps:

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

If you selected Auto:

The TV will automatically download the correct time from a digital channel

• 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

## If you selected Manual:

The Clock Set screen appears. Use the ▲/▼ buttons to change the values in each field or use the number buttons to enter the values directly. Use the ◀/▶ buttons to move from

■ Sleep Timer TOOLS, □

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.

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.

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 move to the Contents field, and then press the ENTER button. The Contents screen appears. Use the the ▲/▼ buttons to change the values in each field.

- 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

the USB device: The maximum displayed number of files, including sub folders, in one folder of USB storage device is 2000. The media may not be playing smoothly when using the

select a folder containing MP3 (Music) or JPEG (Photo) files on

device lower 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.

Picture Size Digital channels only 16:9. Zoom1. Zoom2. Digital-TV broadcasts can transmit many audio tracks

ATV, AV, Component (480i, 480p) ultaneously (for example, simultaneous translations of a prograr DTV (1080i, 1080p), Component (1080i, 16:9. Wide Fit. 4:3. into foreign languages). 1080p), HDMI (720p, 1080i, 1080p) Screen Fit You can only select a language from among the ones being ■ Digital Noise Filter (Off / Low / Medium / High / Auto) : If the

the Digital Noise Filter feature to reduce any static and ghostin that may appear on the screen When the signal is weak, try all the Digital Noise Filter options until the TV displays the best picture.

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

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

the black level to adjust the screen depth. Low make blacks look SAP: Select to listen to the Separate Audio Program, which is Available only in **HDMI** mode (RGB signals). ■ Film Mode (Off / Auto): 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) and HDMI (480i / 1080i). Auto Motion Plus (Off / Clear / Standard / Smooth / Custom)

**Demo)**: Enhances motion in fast moving scenes. The info screen on your TV displays the resolution and frequency of the incoming video signal (60Hz). This displayed frequency is not what the TV is displaying by using the **Auto Motion Plus** function.

■ LED Motion Plus (Off / On): Removes drag from fast scenes with a lot of movement to provide a clear picture.

### Picture Reset

Input Source

■ Picture Reset (Reset Picture Mode / Cancel): Resets the picture settings to their factory defaults.

# Sound Menu

Mode Tools, ■ Standard: Selects the normal sound mode

■ Music: Emphasizes music over voices.

■ Movie: Provides the best sound for movies. ■ Clear Voice: Emphasizes voices over other sounds. ■ Amplify: Increase the intensity of high-frequency sounds to allow

### a better listening experience for the hearing impaired. Equalizer

Available in Standard sound mode only. ■ Balance L/R: Adjusts the balance between the right and left

■ 100Hz / 300Hz / 1KHz / 3KHz / 10KHz (Bandwidth Adjustment): Adjusts the loudness of specific bandwidth

requencies. ■ Reset: Resets the equalizer to its default settings.

### SRS TruSurround HD

re-appears.

Available in Standard sound mode only.

SRS TruSurround HD is a patented SRS technology that solves the problem of playing 5.1 multichannel content through two speakers. TruSurround delivers a compelling, virtual surround sound experience through any two-speaker playback systen including internal television speakers. It is fully compatible with all multichannel formats.

## Preferred Language

Multi-Track Sound (MTS)

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

Depending on the program being broadcast, you can listen to

Because each station has its own broadcasting conditions, the

volume may fluctuate each time you change the channel. This

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

When you first set up your TV using Plug & Play, the TV

nemorized the channels that were available over the air or through

our cable system and added them to the Channel List. The

Antenna and Auto program functions described below let you

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

Selecting the signal source using the Antenna function also

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

determines the signal source the TV is tuned to. For example,

the sound output when the modulation signal is low

feature automatically adjusts the volume of a channel by lowering

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

■ Stereo: Select for channels that are broadcasting in stereo

you are having difficulty receiving a stereo signal

usually a foreign-language translation.

Mono. Stereo or SAP.

Analog channels only

Auto Volume

**Sound Reset** 

Channel Menu

the Plug & Play procedure.

■ Memorizing Channels

Antenna (Air / Cable) TOOLS,

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

To start **Auto Program**, follow these steps: 1. Push MENU  $\blacksquare \hspace{-0.1cm} \blacksquare \to \hspace{-0.1cm} \text{Channel} \to \hspace{-0.1cm} \text{Auto Program} \to \hspace{-0.1cm} \text{ENTER} \, \blacksquare \hspace{-0.1cm} \blacksquare \hspace{-0.1cm}$  on

your remote. The Antenna Source screen appears.

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

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

press ENTER . Go to Step 3.

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

3 On the Cable Type screen, use the **◄/▶/▲/▼** buttons to select the type of digital and analog cable systems you have: STD, HRC, or IRC, Most systems are STD (Standard). When done, select Start, and then press ENTER . The TV will start memorizing

Channel memorization can take up to 45 minutes, depending on your cable system.

Memorized channels are added to the Added Channels ist. These are the channels you will see when you use the Channel buttons on your remote. **Clear Scrambled Channel** 

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

This function filters out scrambled channels after Auto Program is

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

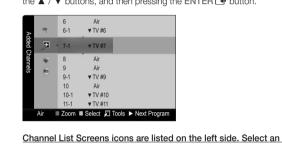
### Press the ENTER button to stop the Clear Scrambled re-run the channel memorization function without having to re-run

■ Managing Channels

signal.

Step 3.

**Channel List** See your list of Added channels. Favorite channels, or channels you've scheduled for viewing. Add or delete Favorite channels, add r 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 screen, pressing the ▲ / ▼ buttons, and then pressing the ENTER 🗗 button.



Solid and Flashing.

same color.

The Melody does not play:

**Auto Protection Time** 

button has been pressed.

Melody

Background Opacity to its default.

icon using the ▲/▼ buttons to view each list

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.

Background Opacity: This adjusts the opacity of the caption

Return to Default: This option sets each Size. Font Style

background. Options include Default, Transparent, Translucent,

select Default and Service1 ~ Service6 in Caption Mode

The Foreground and Background cannot be set to the

Lets you control whether a melody plays when the TV is turned on

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

has been reduced to minimum with the VOL - button

When the TV is turned off by the Sleep Timer function

■ Auto Protection Time (Off / 2 hours / 4 hours / 8 hours / 10

the formation of ghost images on the screen

background color of the captions. The default is Black.

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

■ ★ Added Channels: Shows all Added Channels. These are the

channels that appear when you press the CH button. ■ ♥ Favorite: Shows all favorite channels

scheduled using Timer Viewing.

button to select the channel. A  $\checkmark$  mark appears. Repeat to select

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

## additional channels. Then, open the Tools menu and apply a • 炉 (Tools): Displays the Channel List Tools menu. (The Tools menus may differ depending on the situation.)

Display Icons Used in the Channel List Screens

,				
Icons	Meaning			
<b>✓</b>	A selected channel.			
•	A Favorite channel.			
(E)	A reserved program.			
Ä	A program currently being broadcast.			

### ☐ The Channel List Tools Menu TOOLS ☐

The Channel List Tools menu contains most of the functions you can use on the All Channel, Added Channels, and Favorite List ens. 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

To add channels to the Added Channels list, follow these steps: 1. 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

3. Select Add in the Tools menu, and then press the ENTER All deleted channels will be shown on the All Channels list.

All Channels list. A gray-colored channel indicates the channel has been deleted from the Added Channels list.

The Add menu option only appears for deleted channels

You add channels back to the Added Channels list on the

Background Color: Options include Default, White, Black, Red, ■ Reset: Reset all settings to the factory defaults. 

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

# **Software Upgrade**

Software Upgrade can be performed by downloading the latest

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

Enjoy photos, music and/or movie files saved on a When no sound is output from the TV because the volume USB Mass Storage Class (MSC) device.

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

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

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

# Support Menu

button to turn on the screen.

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

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

eception quality is either perfect or the channels are unavailable. 🛭 🗞 Media Play might not work properly with unlicensed Adjust your antenna to increase signal strength.

### irmware from samsung.com to a USB memory device. **HD Connection Guide**

Foreground Color, Background Color, Foreground Opacity and Refer to this information when connecting external devices to the Digital Caption Options are available only when you can

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

# ledia Plav

# □ Connecting a USB Device

files to the USB jack on the back of the TV. A pop up window 3. Press the MEDIA.P button on your remote. The Media Play

menu appears. ☐ Using the Media Play Menu

To open Media Play in the Menu, follow these steps 1. Press the MENU button. Then, press the ▲ or ▼ button to select **Application** on the left, and then press the **ENTER** 

press the ENTER button.

Photos, Settings), and then press the ENTER button.

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

The file system supports FAT16, FAT32 and NTFS.

devices. MSC is a Mass Storage Class Bulk-Only Transpor device. Examples of MSC are Thumb drives and Flash Car Readers. Devices should be connected directly to the TV's USB port. USB HDD is not supported.

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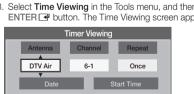
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To add channels to the **Favorites** list, follow these steps: 1. Select one or more channels in the All Channels list using the

To delete channels from the Favorites list, follow these steps: 1. Select one or more channels in the Favorite Channels list

2. Press the TOOLS button on your remote. The Tools menu 3. Select **Delete from Favorite** in the Tools menu, and then

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



∢▶ Move 💠 Adjust 🗗 Enter 🤊 Retur 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 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 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 List. 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 that program directly.

■ 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. ■ 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

■ 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

Programmed List Screen Tools Menu TOOLS, ■ Change Info: Change the scheduling information for a show or

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

functions on the Programmed List screen Tools menu.

To change the information, follow these steps:

Channel List screen, and then press the ENTER button. 2. On the **Programmed** List screen, select the show or channel entry you want to change, and then press the TOOLS button. The Tools Menu appears.

3. Select **Change Info**, and then press the **ENTER** dutton.

The **Time 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** • button when done.

■ Cancel Schedules: Cancel a show or channel you have scheduled. To cancel a scheduled show or channel, follow these steps:

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

button. The Cancel Schedule screen appears.

Select OK, and then press the ENTER → button.

2. On the **Programmed** List screen, select the show or channel entry you want to cancel, and then press the TOOLS button. The Tools Menu appears. 3. Select Cancel Schedules, and then press the ENTER

Channel List screen, and then press the ENTER button.

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

The On Screen Menus

The Main menu has seven primary categories:

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 menu symbol (1)

n the lower right side of the screen indicates that a Tools menu is

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

The Menu options are presented below, arranged by Main menu

view a Tools menu, press the TOOLS button on your remote.

Input

Application

Support

### categories A Tools button symbol (TOOLS 1) next to an option name indicates the option is also available in one of the Tools

Color / Tint (G/R)

ffective as Backlight.

Picture

Channel

Setup

Mode Tools, □

Picture Menu

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

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

■ Entertain: Sharpens the picture. Suitable for games. Only available when the TV is connected to a PC. Backlight / Contrast / Brightness / Sharpness /

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

■ Color: Adjusts the color saturation. The higher the Color setting,

the more intense the color. Low settings remove color and the

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

■ Sharpness: Sharpens or dulls the edges of objects

picture becomes black, white and gray.

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

changes to Backlight, Contrast, Brightness, and

■ Information: Display the information for a show or channel you have scheduled. You can also change the schedule Information 1. Select the **Programmed** List icon on the left side of the Channel List screen, and then press the ENTER → button.

entry you want information for, and then press the TOOLS

change information, or select Close and press the

Select the channel, and then select Fine Tune.

instructions, see your Quick Start Guide.

Set the menu language

# 1. Select Setup >Time > Clock.

 Select Time Zone, and then press the ENTER → button Use the ▲/▼ buttons to select your **Time Zone**, and then press ENTER .

the Clock Mode is set to Auto.

field to field. When done with all the fields, press ENTER . Available only when Clock Mode is set to Manual.

Timer 1 / Timer 2 / Timer 3

■ 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

# 2. Press the ENTER 🗗 button. A list of folders on the device Locking/Blocking Programs or Movies

3. Use the ▲/▼ buttons to highlight a folder that contains music or photos, and then press the Yellow select button to select the folder. content, click the square next to the rating and/or under the kind of 4. Press the RETURN button. The Timer screen re-appears. ■ Repeat: Select Once, Everyday, Mon~Fri, Mon~Sat, Sat~Sun

If there are no folders on your device, press the

then press the RETURN button. The Timer screen

or Manual. If you select Manual, you can select the days you vant 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

enter the same PIN.

Program Rating Lock The Program Rating Lock feature lets you block programs you've determined are inappropriate for your children based on the program's ratings. To access the **Program Rating Lock** ature and make any changes, you must enter a PIN (personal

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

Program Rating Lock is not available in HDMI or

screen closes and the Program Rating Lock Menu appears. Every time you access the **Program Rating Lock** functions, the PIN screen will appear and you must enter a PIN. When the Rating Lock screen appears, select Program Rating Lock, and then press ENTER . Select On, and then press the ENTER key again. Depending on what type of programs or movies you want to block select one of the options on the screen

and then press the ENTER - button. The options are listed below

on their ratings. This function allows you to control what your

■ TV Parental Guidelines: You can block TV programs based

children are watching. ■ MPAA Rating: You can block movies based on their MPAA ratings. The Motion Picture Association of America (MPAA) has implemented a rating system that provides parents or quardians with advanced information on which films are appropriate for

■ Canadian French: You can block TV programs based on their French Canadian ratings. ■ Downloadable U.S. Rating: Parental restriction information car be used while watching DTV channels.

■ Canadian English: You can block TV programs based on their

Anglophone Canadian ratings.

# 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

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 screen disappears, press the OK button. The TV

content. A lock appears. To unlock/unblock, click the square again

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)

has memorized your new PIN.

Game Mode (On/Off)

or Xbox™ to your TV, you can enjoy a more realistic gaming experience by turning on the Game Mode function. identification number). To watch a blocked program, you must also 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

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

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

When you connect a game console such as a PlayStation™

## (On-Screen Text Dialogue) ■ Caption: You can switch the caption function on or off. If

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

The Caption feature does not work in Component or

You may notice slightly reduced picture quality.

■ 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

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

(Digital channels only) The Digital Captions function works with

Service1~6 may not be available in digital caption mode

function may or may not work with digital channels.)

depending on the broadcast. ■ Digital Caption Options: (Digital channels only) Size: Options include Default, Small, Standard and Large. The default is Standard.

default is Style 0. Foreground Color: Options include Default, White, Black, Red, Green, Blue, Yellow, Magenta and Cyan. You can change the color of the letters. The default is White.

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

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

2. Press the ▲ or ▼ button to select Media Play (USB), and then

3. Press the ◀ or ▶ button to select an icon (Videos, Music,

 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)

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- Before connecting your device to the TV, please back up your Supported Subtitle Formats files to prevent them from damage or loss of data. SAMSUNG is not responsible for any data file damage or data loss.
- A USB device that requires high power (more than 0.5A) may not
- be supported. • Do not disconnect the USB device while it is loading.
- The higher the resolution of the image, the longer it takes to display on the screen.
- 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 bee downloaded from a for-pay site. Digital Rights Management (DRM) is a technology that supports the creation, distribution, and management of digital content in an integrated and comprehensive way, including protecting the rights and interests
- of content providers, preventing illegal copying of contents, and managing billing and settlements
- · PTP devices are not supported.
- If an over-power warning message is displayed while you are connecting or using a USB device, the device may not be
- recognized or may malfunction. If the TV has no input during the time period set in Auto
- Protection Time, the Screensaver will run.
- The power-saving mode of some external hard disk drives may
   Supported Video Formats be released automatically when your connect them to the TV.
- If you use a USB extension cable, the TV may not recognize the JSB device or may not be able to read the files on the device If a USB device connected to the TV is not recognized, the list of files on the device is corrupted, or a file in the list is not played, connect the USB device to a PC, format the device, and check
- the connection. If a file you deleted from the PC is still found when you run Media Play, use the "Empty the Recycle Bin" function on the PC to permanently delete the file.
- Photos only supports the sequential jpeg format. • The Videos option does not support the scene search and
- thumbnail functions. If the number of files and folders saved on a USB storage device is over approximately 4000, the files and folders may not appear and
- some folders may not open. • The maximum displayed number of files, including sub folders, in
- one folder of USB storage device is 2000. The media may not be playing smoothly when using the device lower than USB 2.0.



- 1. In the Media Play menu, press the ◀ or ▶ button to select Videos, and then press the ENTER - button.
- 2. Press the </bd>
  ✓/►/▲/▼ buttons to select a video in the file list.
- 3. Press the ENTER → button or ► (Play) button.
- 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

The file name is displayed on the top of the screen with the

In this mode, you can play movie clips contained in a game, but you cannot play the game itself.

Stand Assembly

Poor Picture

Cannot find a channe

The picture is distorted: macroblock

error, small block, dots, pixelization

There is poor color or brightness

The picture is black and white

Sound Problems

low at maximum volume.

The speakers are making an

No Picture, No Video

The TV will not turn on

The TV turns off automatically.

There is no picture/video

RF (Cable/Antenna) Connection

The TV is not receiving all channels

There is a dotted line on the edge of

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

There is no sound or the sound is too

The picture is good, but there is no

Color is wrong or missing.

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	

Internal					
Name	Container	Format			
Xsub	AVI	Picture Format			
SubStation Alpha	MKV	Text Format			
Advanced SubStation Alpha	MKV	Text Format			
SubRip	MKV	Text Format			
MPEG-4 Timed text	MP4	Text Format			

File Extension Container Video Codec Resolution Frame Bit Audio Codec rate(fps) rate(Mbps) Codec

• If you have any trouble assembling the stand, refer to "Install the Stand" in the Start Up or Stand Installation Guide

Many HD channels broadcast up scaled SD (Standard Definition) content. The picture quality of up

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

. 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

Adjust the Energy Saving option in the TV menu. (go to MENU - Setup - Eco Solution - Energy Saving )

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

If connected to a cable box, please try to reset it. (Reconnect the AC cord and wait until the cable box reboots. It may take up to 20 minutes)

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.

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

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

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)

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

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

Be sure to select the correct input source by pressing the SOURCE button on the remote control

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

• Adjust the Picture options in the TV menu. (go to Picture Mode / Color / Brightness / Sharpness)

• Try resetting the picture to the default picture settings. (go to MENU - Picture - Picture Reset)

Re-run Plug & Play or run Auto Program. (go to MENU - Channel - Auto Program)

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

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

Go to MENU - Support - Self Diagnosis - Picture Test

deliver HD (high definition) picture quality.

scaled SD content is low.

sports and action movies

The TV image does not look as good as | • If you have an analog cable/satellite box, upgrade to a digital set top box. Use HDMI or Component cables to

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

Air/Cable Antenna connection: Try HD channels after running Auto Program.

Adjust the Cable/Set top box video output resolution to 1080i or 720p.

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.

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

(go to MENU - Support - Self Diagnosis - Sound Test)

• Perform the **Sound Test** as explained above.

• Make sure the wall outlet is working.

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

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

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

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

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

If the TV turns on, refer to 'Remote control does not work' below.

If your PC is connected to the TV, check your PC power settings

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

Make sure your connected devices are powered on.

· Make sure the coaxial cable is connected securely

· Verify the antenna is positioned correctly

Check the volume of the device (Cable/Sat Box, DVD, Blu-ray, etc.) connected to your TV

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

• Try pressing the POWER button on the TV to make sure the problem is not the remote.

· Change the cable/satellite box resolution

Incorrect or loose connections may cause color problems or a blank screen.

Extension				rate(ips)	rate(IVIDps)	Cod
*.mp4		DivX 3.11/4.x/5.1 /6.0	1920x1080	6~30	30Mbps	MP3 ADPC AA(
	MP4	H264	1920x1080	6~30	30Mbps	
		AVC	1920x1080	6~30	30Mbps	
		MJPEG	640x480	6~30	10Mbps	
		DivX 3.11/4.x/5.1 /6.0	1920x1080	6~30	30Mbps	MP3 AC3 LPCN ADP0 / DT Con
*.avi *.mkv	AVI, MKV	MPEG4 SP / ASP	1920x1080	6~30	30Mbps	
		H264	1920x1080	6~30	30Mbps	
		MJPEG	640x480	6~30	10Mbps	
*.asf		DivX 3.11 / 4.x /5.1 / 6.0	1920x1080	6~30	30Mbps	MP3 AC3 LPCM ADP0 / WM / WM
*.wmv	ASF	MPEG4 SP / ASP	1920x1080	6~30	30Mbps	
		H.264	1920x1080	6~30	30Mbps	
*.ts		MPEG2	1920x1080	6~30	30Mbps	AC3
*.trp *.tp TS *.m2ts	H. 264 BP / MP / HP	1920x1080	6~30	30Mbps	AAC MP3 DD+ HE-A	
*.dat	PS	MPEG1	1920x1080	24/25/30	30Mbps	AC3
*.mpg		MPEG2	1920x1080	24/25/30	30Mbps	MPE
*.mpeg *.vob		H. 264 BP / MP / HP	1920x1080	6~30	30Mbps	LPCN AA(
*.3gp	3GPP	MPEG4 SP / ASP	1920x1080	6~30	30Mbps	MP
		H.264	1920x1080	6~30	30Mbps	
*.flv	flash formats	H.264	1920x1080	6~30	30Mbps	MP
*.swf		Sorenson H.263	1920x1080	6~30	30Mbps	

### Other Restrictions

- 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.
- If the Index Table erroneous, the Seek (Jump) function is not • The menu may take longer to appear if the video's bit rate
- exceeds 10Mbps • Video content can not be played if there are many contents in

# Video Decoder

- Supports up to H.264, Level 4.1 H.264 FMO / ASO / RS, VC1 SP / MP / AP L4 and AVCHD are not supported.
- 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, 10 PRO

### WMA 9 PRO and WMA 10 PRO support 5.1 channel. (LBR mode of WMA Pro is not supported)

WMA Lossless is not supported.

### Music



may cause a sound problem.)

- 1. In the Media Play menu, press the ◀ or ▶ button to select Music, and then press the ENTER → button.
- 3. Press the ENTER → button or ► (Play) button. During music playback, you can search using the ◀ and
- (REW) and F (FF) buttons do not function during Media Play only displays files with MP3 and PCM file
- are saved on the same USB device. If the sound is abnormal when playing MP3 files, adjust the Equalizer in the Sound menu. (An over-modulated MP3 file



- 1. In the Media Play menu, press the ◀ or ▶ button to select Photos, then press the ENTER button
- Press the **◄/▶/▲/▼** buttons to select a photo in the file list.
- 3. Press the ENTER → button or ► (Play) button. NOTE
- All files in the file list section will be displayed in the slide show.
- · During the slide show, files are displayed in order • During the slide show, you can adjust the slide show speed using (◄) (REW) or (►) (FF) button.
- You can move to other files using 

  or 

  button Media Play can play Music files automatically during a Slide
- Show if **Background Music** is set to **On**. You cannot change the Mode in Background Music until the

Base-line

Progressive

15360 x 8704

1024 x 768

Background Music file has finished loading

<ul> <li>Supported Photo For</li> </ul>	ormats
Image	Photo

JPEG

Other Restrictions • CMYK, YCCK Color space JPEG 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 button on your remote.
- 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
- 1. With the folders on your USB device displayed, use the ◄/►/▲/▼ buttons to highlight a folder.
- extension. Other file extensions are not displayed, even if they 2. Press the TOOLS button, select Play Folder, and then press the ENTER button.

	Some channels may not have caption data.
ne picture is distorted: macroblock,	<ul> <li>Compression of video contents may cause picture distortion, especially on fast moving pictures such as those in</li></ul>
ror, small block, dots, pixelization.	sports and action movies.

- Purple/green rolling horizontal bars and Remove the left and right audio connections from the set-top-box. If the buzzing stops, this indicates that the setbuzzing noise from the TV speakers with top-box has a grounding issue. Replace the Component video cables with an HDMI connectio Component cable connection
  - HD channels will have black bars on either side of the screen when displaying up scaled SD (4:3) contents.
  - · Adjust the picture size option on your external device or change the TV to full screen.
- Clean the transmission window located on the top of the remote control. • Try pointing the remote directly at the TV from 5~6 feet away. Program the Cable/Set top box remote control to operate the TV. Refer to the Cable/Set top box user manual for The cable/set top box remote contro
- the volume. A "Mode Not Supported" message • Check the supported resolution of the TV and adjust the external device's output resolution accordingly. Refer to
- · Caption must be activated on the external device
- This function is only available for digital channels received through an Antenna / RF/Coax connection V Signal Strength is unavailable in the
- 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 TV mode, go to MENU → Setup → Plug & Play → ENTER ...
- Check the cable connections and reconnect them. You have intermittent loss of audio or
- You see small particles when you look This is part of the product's design and is not a defect.
- closely at the edge of the frame of 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.
- Watch these troubleshooting on video at www.samsung.com/spsn.
- Some functions and pictures shown in this manual are available on specific models only.
- 🦠 You can keep your TV in optimum condition by upgrading it with the latest firmware from the Samsung web site (samsung.com → 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.

# Check the Caption Setup menu. Try changing Caption Mode Service 1 to CC1

rs	
	A weak signal can cause picture distortion. This is not a TV problem.
small block, dots, pixelization.	sports and action movies.
iotaro lo diotortoa. Tridorobioort,	Compression of video contents may eaded picture distortion, copedially of last moving pictures each as those in

- The picture will not display in full screen.
  - Black bars on the top and bottom appear when movies that have aspect ratios different from your TV play on the
- Replace the remote control's batteries. Make sure you insert them with the polarity (+/-) correct The remote control does not work.
- does not turn the TV on or off, or adjust the SAMSUNG TV code
- resolution settings in this manual. • You cannot select Caption in the TV menu when watching content from a device connected via HDMI or
- Remove the stand base from the TV and reassemble it. TV is tilted to the right or left side. The Channel menu is grey out • The Channel menu is only available when you select the TV source
- Store Demo mode to Home Use mode using the Plug & Play procedure. Press the SOURCE button to select
  - 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.

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Except as contained in this notice, the name of a copyright holder shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization of the copyright holder.

### **Kensington Lock**

The Kensington Lock is not supplied by Samsung. It is a device used to physically fix the system when using it in a public place. Thannual and all parts necessary for assembly are provided.
 Do not use screws that do not comply with the VESA standard screw specifications.
 Do not use screws that are longer than the standard dimension or do not comply with the VESA standard screw specifications. Screws that are too long may cause damage to the inside of the TV set.

Refer to the manual provided with the Kensington Lock for additional information on proper use.

Second Please find a "R" icon on the rear of the TV. The Kensington slot is beside the "₪" icon.

# The position and color may differ depending on the model.



# Mode Resolution Horizontal Vertical Pixel Clock Sync Polarity Frequency (KHz) Frequency (Hz) Frequency (MHz) (H / V) IBM 640 x 350 31.469 70.086 25.175 +/-

Display Modes (HDMI/DVI Input)

Optimal resolution is 1920 x 1080@60Hz

	720 x 400	31.469	70.087	28.322	-/+
	640 x 480	35.000	66.667	30.240	-/-
MAC	832 x 624	49.726	74.551	57.284	-/-
	1152 x 870	68.681	75.062	100.000	-/-
	640 x 480	31.469	59.940	25.175	-/-
	640 x 480	37.861	72.809	31.500	-/-
	640 x 480	37.500	75.000	31.500	-/-
	800 x 600	37.879	60.317	40.000	+/+
	800 x 600	48.077	72.188	50.000	+/+
	800 x 600	46.875	75.000	49.500	+/+
	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	+/+
VESA DMT	1152 x 864	67.500	75.000	108.000	+/+
	1280 x 720	45.000	60.000	74.250	+/+
	1280 x 800	49.702	59.810	83.500	-/+
	1280 x 1024	63.981	60.020	108.000	+/+
	1280 x 1024	79.976	75.025	135.000	+/+
	1366 x 768	47.712	59.790	85.500	+/+
	1440 x 900	55.935	59.887	106.500	-/+
	1600 x 900RB	60.000	60.000	108.000	+/+
	1000 1050	6F 000	E0.0E4	146.0E0	1.

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

Problem	Possible Solution		
Flickering and Dimming	If your Samsung Television is flickering or dimming sporadically, you may need to disable some of its energy efficien features like 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		
	<ul> <li>Sell Diagnosis: Oser Menu → Support → Sell Diagnosis → Picture Test</li> <li>If the test is ok, try making sure;</li> </ul>		
	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.		
	<ul> <li>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.</li> </ul>		
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.		
	$\bullet \   Sleep  Timer : User  Menu \to Setup \to Time \to Sleep  Timer$		
	If the Sleep Timer is not activated, you may have engaged the No Signal Power Off or Auto Power Off feature.		
	$ \bullet \   \text{No Signal Power Off : User Menu} \rightarrow \text{Setup} \rightarrow \text{Eco Solution} \rightarrow \text{No Signal Power} $		
	$ \bullet \   \text{Auto Power Off : User Menu} \to \text{Setup} \to \text{Eco Solution} \to \text{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 buttor 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 i before making a call to the service department.		
	<ul> <li>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.</li> </ul>		
	If you're sure your power cord, remote control, and PC are functioning properly, you may be having a cable issue. It 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

59.0 lbs (26.8 kg)

box remote control. If the screen displays the guide or info data, the problem is caused by the box

## **Storage and Maintenance**

Media Play - Additional Functions

■ Videos/Music/Photos Play Option menus

When playing a file, press the TOOLS button.

play directly.

Auto Motion Plus You can enhance motion in fast moving scenes.

name as the video

nan one language.

You can start or stop a Slide

You can select the slide show speed during the slide show.

You can set and select

vatching a Slide Show.

You can zoom into images in full

You can rotate images in full

You can see detailed information about the played file.

■ DivX® Video On Demand : Shows the registration code

authorized for the TV. If you connect to the DivX web site and

register with the 10-digit registration code, you can download

the VOD activation file. Once you play it using Media Play, the

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

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

For detailed information about installing the wall mount, see

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 dealer. If you install the TV on a ceiling or slanted wall, it

the instructions provided with the wall mount items. Contact a technician for assistance when installing the wall mount bracke

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.

■ Information: Select to view information about the connected

Repeat Mode You can play movie and music files repeatedly.

Picture Size

Audio Format

Language

Stop Slide Show /

Start Slide Show

Slide Show Speed

Background Music

Information

**Settings** 

USB device.

Using the Setup Menu

registration is completed.

Other Information

Installing the Wall Mount Kit

Wall Mount Kit Specifications (VESA)

may fall and result in severe personal injury.

Operation

You can select another video file

ou can adjust the picture size

You can play the video with Subtitles. This function only works

if the subtitles have the same file

ou can select the digital audio

Sound Mode You can adjust the sound setting.

Picture Mode You can adjust the picture setting.

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

NOTE

Videos Music Photos

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

For wall mounts that do not comply with the VESA standard screw specifications, the length of the screws may differ depending on the wall mount specifications.

Do not fasten the screws too firmly. This may damage the product or cause the product to fall, leading to personal injury. Samsung is not liable for these kinds of accidents.

Samsung is not liable for product damage or personal injury when a non-VESA or non-specified wall mount is used or the consumer fails to follow the product installation instructions.

inches (A \* B) in millimeters Screw

75 X 75

100 X 100

200 X 200

400 X 400

Caution: Pulling, pushing, or climbing onto the TV may cause the TV to fall. In particular, ensure that your children do not hang over or destabilize the TV; doing so may cause the TV to

tip over, resulting in serious injuries or death. Follow all safety precautions provided on the included Safety Flyer. For added stability, install the anti-fall device for safety purposes, as

Since the necessary brackets, screws, and string or cable are

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

the wall. Make sure the screws are firmly fixed to the wall.

We strongly recommend you drive the screws into a stud.

2. Using screws, insert the screws through the TV brackets, and

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

Verify all connections are properly secured. Periodically check

the connections for any sign of fatigue or failure. If you have

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

Connect the string or cable so that the brackets on the wall are at the same height or lower than the brackets on the TV. Untie the string or cable before moving the TV.

To purcase a TV Holder kit, contact Samsung customer care.

any doubt about the security of your connections, contact a

then fasten the screws to the top VESA screw holes on the back

not supplied, please purchase these separately

M6

Do not install your Wall Mount Kit while

rsonal injury due to electric shock.

your TV is turned on. It may result in

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

19~22

32~40

46~60

Securing the TV to the Wall

To prevent the TV from falling

of the TV.

tightly to the brackets.

professional installer.

When purchasing our wall mount kit, a detailed installation

🦠 The exterior and screen of the product can get scratched during cleaning. Be sure to wipe the exterior and screen carefully using a soft cloth to prevent scratches



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

TheaterSound, SRS and the  $oldsymbol{\mathscr{O}}$  symbol are

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trademarks of SRS Labs. Inc.



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

SRS TheaterSound™ provides the most immersive

surround sound experience from the TV's built-in speakers, while maintaining steady volume and

### License

# SIS

DIVX.

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



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Specifications			
Environmental Considerations Operating Temperature Operating Humidity Storage Temperature		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)	
Storage Humidity		5% to 95%, non-condensing	
Model Name	UN55FH6003	UN60FH6003	UN65FH6001
Display Resolution	1920 x 1080		
Screen Size (Diagonal)	55" Class (54.6" measured diagonally)	60" Class (60.0" measured diagonally)	65" Class (64.5" measured diagonally)
Sound Output		10W x 2	
Dimensions(W x H x D) Body With stand	49.2 X 28.9 X 3.7 inches (1250.6 X 735.7 X 94.3 (mm)) 49.2 X 31.0 X 8.9 inches (1250.6 X 789.2 X 227.6 (mm))	54.1 X 31.4 X 3.7 inches (1375.6 X 799.3 X 94.4 ((mm)) 54.1 X 33.9 X 12.9 inches (1375.6 X 862.5 X 329.7 ((mm))	58.4 X 34.4 X 3.7 inches (1484.5 X 873.8 X 96.3 (mm)) 58.4 X 36.4 X 12.9 inches (1484.5 X 926.5 X 329.8 (mm))
Weight Without Stand	38.8 lbs (17.6 kg)	49.8 lbs (22.6 kg)	63.0 lbs (28.6 kg)

44.7 lbs (20.3 kg)

Design and specifications are subject to change without prior notice.

With Stand

Model name

UN55FH6003

UN60FH6003

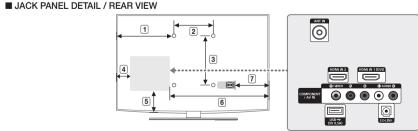
UN65FH6001

This device is a Class B digital apparatus. 🤏 For information about power supply, and more about power consumption, refer to the label attached to the Typical power consumption is measured according to Energy Star Program requirements for Televisions.

🖎 Dispose unwanted electronics through an approved recycler. To find the nearest recycling location, go to our

# website: www.samsung.com/recyclingdirect or call, (877) 278-0799.

21.3



(Unit: inches

38.8

9.5

12.6

14.9

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72.3 lbs (32.8 kg)

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

prior to performing installation of your TV. Not responsible for typographical or printed errors. © 2013 Samsung Electronics America, Inc.

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