Figures and illustrations in this User Manual are provided for reference specifications may be changed without notice. Important Warranty Information Regarding

only and may differ from actual product appearance. Product design and

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 primarily be in the wide screen 16:9 ratio format, or expanded to fill the screen if your model offers this feature and the images are constantly moving. Displaying stationary graphics and images or 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 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,

• SAMSUNG ELECTRONICS NORTH AMERICAN LIMITED WARRANTY STATEMENT

limited warranty.

as well as burned-in images, are not covered by your Samsung

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



ransportation to and from the Service Center is the responsibility of the purchaser. Conditions covered are limited only to manufacturing in normal use of the product. Excluded, but not limited to, are any originally specified provisions for, in-home or on-site services, ninimum or maximum repair times, exchanges or replacements, accessories, options, upgrades, or consumables. For the location of a SAMSUNG Authorized Service Center, please call toll-free:

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

Still image warning

Avoid displaying still images (such as jpeg picture files) or still image elements (such as TV channel logos, 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 image 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. CANADA

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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 appears.

- 3. Select **Add** in the Tools menu, and then press the **ENTER**
- All deleted channels will be shown on the All Channels list You add channels back to the **Added Channels** list on the
- All Channels list. A gray-colored channel indicates the channel has been
- deleted from the Added Channels list
- The Add menu option only appears for deleted channels. ■ Add to Favorite/Delete from Favorite: Lets you add channels to and delete channels from your Favorites list

To add channels to the **Favorites** list, follow these steps:

appears.

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 to Favorite in the Tools menu, and then press the ENTER → button

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

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

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

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

■ Timer Viewing: You can schedule a channel to be displayed channel. You must set the current time first in the Time > Clock

function to use **Time Viewing**. 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 remote.

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.

Antenna Channel Repeat DTV Air 6-1 Once Date Start Time

◆ Move ♦ Adjust ☐ Enter つ Retu

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

If you select Everyday or Every Week, the date you select in the 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. If you select **Once**, the TV will turn on once, on the date

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.

■ Deselect All: Deselect all the selected displayed channels.

You can only select **Deselect All** when one or more

■ Channel Name Edit: Analog channels only. Lets you assign a ame 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 can view. modify. or delete a show you have scheduled using the

functions on the **Programmed** List screen Tools menu. Programmed List Screen Tools Menu TOOLS 和

automatically at a set time, even when you are watching another

Change Info: Change the scheduling information for a show or

channel you have scheduled. To change the information, follow these steps:

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

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 4 button.

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

Channel List screen, 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

button. The Cancel Schedule screen appears. 4. Select **OK**, and then press the **ENTER** dutton. The On Screen Menus

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 the menu options available on your TV. The Tools menus display a selected number of frequently used menu options that change ending on the screen you are viewing. A Tools menu symbo (元) in the lower right side of the screen indicates that a Tools menu

Color Space (Auto / Native): Auto automatically matches the is available.

The Main menu has seven primary categories:

 Picture Input Sound Application

 Channel Support Setup

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

The menu options that appear in the Main menu depend on the Source you have selected. For example, if you have selected the HDMI 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 indicates the option is also available in one of the Tools

Picture Menu

Mode TOOLS₽

Select your preferred picture mode

 $\ensuremath{\,^{\odot}}$ 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 / Color / Tint (G/R)

■ Backlight: Adjusts the brightness of the screen by adjusting 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 effective as Backlight ■ Sharpness: Sharpens or dulls the edges of objects.

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

Channel List screen, and then press the ENTER button

2. 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.

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

4. Select Change Info and press the ENTER button to change information, or select **Close** and press the ENTER button to close the Information screen.

■ Select All / Deselect All: You can select or deselect all channels in the channel list.

☐ Other Channel Menu Functions

Channel Mode (Added Channels/Favorite

Lets you select the channel list displayed when you press the **^CH∨** (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

Analog channels only.

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

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

on the right-hand side of the channel number in the channel banner.

then select Reset on the Fine Tune screen.

To reset fine-tuning, select the channel, select Fine Tune, and

Setup Menu

Plug & Play

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

Language

Set the menu language.

Choose between English, Español, and Français.

□ Setting the Time

The time you set will appear when you press the INFO

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

To set the clock, follow these steps:

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

. Select Setup >Time > Clock. 2. Press ENTER and select Auto or Manual, and then press

by Input Source are listed below:

Advanced Settings

vailable in Standard and Movie mode only.

changes to Gamma and White Balance.

When your TV is connected to a PC, you can only make

range of colors available to create pictures to the color range of

the video source. Native provides a color range wider than the

■ 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.

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

■ Dynamic Contrast (Off / Low / Medium / High): Adjusts the

■ Black Tone (Off / Dark / Darker / Darkest): Selects the black

■ Motion Lighting (Off / On): When on, the TV automatically

adjusts the brightness of the screen in response to the

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

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

level to adjust the screen depth. Darker settings make blacks

brightness of the room. In bright light, the screen brightens. In

changes to the Color Tone, Size and HDMI Black Level.

■ Color Tone (Cool / Standard / Warm1 / Warm2): Cool makes

Warm1 and Warm2 are deactivated when the picture

■ 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

16:9: Sets the picture to the 16:9 wide screen format.

screen sizes as well. However, we highly recommend you use

Zoom1: Provides moderate magnification of the picture. Sides,

Zoom2: Provides larger magnification of the picture. Sides, top,

Wide Fit: Enlarges the aspect ratio of the picture so the picture

4:3: Sets the picture to the old, 4:3 format and puts black or gray

Traces of borders displayed on the left, right and center of

the screen may cause image retention (screen burn) which

Do not watch your TV in the 4:3 format for a long time.

Screen Fit: Displays the full image without any cut-off when

vour TV is inputting HDMI (720p / 1080i / 1080p) or Component

HD (High Definition) has a 16:9 aspect ratio and 1080i/1080p

Nou can adjust and store settings for each external device you have connected to an input on the TV. Picture Sizes available

the picture bluer (cooler). Warm 1 and Warm 2 make the picture

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

precise picture with more precise controls.

color range of the video source.

areen, blue) darknes

lim light, the screen dims.

mode is set to **Dynamic**

top, and bottom are cut off.

fits the entire screen.

the TVs 16:9 mode most of the time.

borders on the right and left of the picture.

is not covered by the warranty

(1080i / 1080p) HD signals.

Picture Options

redder (warmer).

■ Gamma: Adjusts the primary color intensity.

Available in Standard mode only.

blue) brightness

look darker.

ENTER 4 again. If you selected Auto

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

• Select **Time Zone**, and then press the **ENTER** \blacksquare button. Use the ▲/▼ buttons to select your **Time Zone**, and then press ENTER 4.

• 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.

ST and Time Zone function are only available when the Clock Mode is set to Auto.

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 field to field. When done with all the fields, press ENTER 4.

Available only when Clock Mode is set to Manual. ■ 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. 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 the **On Time** and **Off Time**. Use the ◄/▶ buttons to move from field to field. Use the ▲/▼ buttons to change the values in each field. To activate the timer with the setting you have chosen, set the Activate/Inactivate field to

Activate ■ Volume: Set the desired loudness.

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

the ▲/▼ buttons to change the values in 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

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

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 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 Input Source ATV, AV, Component (480i, 480p) 16:9, Wide Fit, 4:3, DTV (1080i, 1080p), Component (1080i, 1080p), HDMI (720p, 1080i, 1080p)

■ Digital Noise Filter (Off / Low / Medium / High / Auto) : If the the Digital Noise Filter feature to reduce any static and ghosting that may appear on the screen.

Multi-Track Sound (MTS) Analog channels only. When the signal is weak, try all the Digital Noise Filter ■ Mono: Select for channels that are broadcasting in mono or if

options until the TV displays the best picture.

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

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

1080i) and HDMI (480i / 1080i). ■ Auto Motion Plus (Off / Clear / Standard / Smooth / Custom /

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 (Reset Picture Mode/Cancel): Resets the

Sound Menu

Mode TOOLS

■ Standard: Selects the normal sound mode.

■ Movie: Provides the best sound for movies. ■ Clear Voice: Emphasizes voices over other sounds.

Equalizer

Available in Standard sound mode only.

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

Adjustment): Adjusts the loudness of specific bandwidth frequencies.

SRS TruSurround HD

appears.

to select the folder.

□ Other Features

enter the same PIN.

How It Works

Component mode.

children are watching.

Anglophone Canadian ratings.

be used while watching DTV channels.

Program Rating Lock

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 system ncluding internal television speakers. It is fully compatible with al multichannel formats.

Preferred Language Digital channels only. $16\text{:}9,\,Zoom1,\,Zoom2,$ Digital-TV broadcasts can transmit many audio tracks imultaneously (for example, simultaneous translations of a program

into foreign languages). You can only select a language from among the ones being broadcast.

you are having difficulty receiving a stereo signal.

■ HDMI Black Level (Normal / Low): For HDMI signals, select ■ Stereo: Select for channels that are broadcasting in stereo the black level to adjust the screen depth. Low make blacks look

■ Film Mode (Off / Auto) : Sets the TV to automatically sense and

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

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

Picture Reset

picture settings to their factory defaults.

■ Music: Emphasizes music over voices.

■ Amplify: Increase the intensity of high-frequency sounds to allow a better listening experience for the hearing impaired.

■ 100Hz / 300Hz / 1KHz / 3KHz / 10KHz (Bandwidth

■ Reset: Resets the equalizer to its default settings.

Available in Standard sound mode only.

then press the RETURN button. The Timer screen

music or photos, and then press the Yellow select button

Use the ▲/▼ buttons to highlight a folder that contains

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

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

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

day, highlight it, and then press the ENTER button.

The Program Rating Lock feature lets you block programs

Program Rating Lock is not available in HDMI or

set your own PIN using the Change PIN function.

you've determined are inappropriate for your children based or

the program's ratings. To access the Program Rating Lock

feature and make any changes, you must enter a PIN (personal

identification number). To watch a blocked program, you must also

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

When you access the **Program Rating Lock** Menu functions for

time you access the Program Rating Lock functions, the PIN

When the Rating Lock screen appears, select Program Rating

ENTER key again. Depending on what type of programs or

■ TV Parental Guidelines: You can block TV programs based

■ MPAA Rating: You can block movies based on their MPAA

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

ratings. The Motion Picture Association of America (MPAA) has

with advanced information on which films are appropriate for

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

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

■ Downloadable U.S. Rating: Parental restriction information can

screen will appear and you must enter a PIN.

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

press either the ENTER or RETURN button.

want to activate the timer by using the

the day, and then pressing the ENTER 🗗 button. To unselect a

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

Sound Reset

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

set the TV to External Speaker.

sound settings will be limited.

external speakers will be mute

usually a foreign-language translation.

Mono, Stereo or SAP.

Auto Volume

SPDIF Output

receiver or home theater.

Speaker Settings

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

the sound output when the modulation signal is low.

The SPDIF (Sony Philips Digital InterFace) outputs an

format may differ depending on the input source.

feature automatically adjusts the volume of a channel by lowering

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

uncompressed digital audio signal when you connect the digital

audio jack on the back of the TV to a digital audio in jack on a

■ Audio Format (PCM/Dolby Digital): You can select the Digita

Audio output (SPDIF) format. The available Digital Audio output

By connecting the TV to a receiver or home theater with

Digital, you can maximize your interactive 3D sound

■ Audio Delay: Lets you correct timing mismatches between th

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

If you are listening to the sound track of a broadcast or movie

through an external receiver, you may hear a sound echo caused

by the difference in decoding speed between the TV's speakers

and the speakers attached to your audio receiver. If this occurs

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 Selec

to TV Speaker both the TV's speakers and the external

speakers are on. You will hear sound through both.

When Speaker Select is set to External Speaker, the

VOLUME and MUTE buttons will not operate and the

slider. Press ENTER when done (0ms ~ 250ms).

■ Speaker Select (External Speaker / TV Speaker)

Dolby Digital and 5.1ch speakers and selecting Dolby

2. Press the ENTER 🗗 button. A list of folders on the device Locking/Blocking Programs or Movies Yellow select button to select the Root folder, and

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 ■ Repeat: Select Once, Everyday, Mon~Fri, Mon~Sat, Sat~Sun

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

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)

When you connect a game console such as a PlayStation™ or Xbox™ to your TV, you can enjoy a more realistic gaming

 Before you disconnect the game console and connect another external device, set Game Mode to Off in the setup menu. • If you display the TV menu in Game Mode, the screen shake:

Game Mode is not available when the input source is set to

Caption

Lock, and then press ENTER . Select On, and then press the

HDMI mode. ■ Caption Mode: You can select the desired caption mode. Default / CC1~CC4 / Text1~Text4: (analog channels only) The

The Caption feature does not work in Component or

function may or may not work with digital channels.) implemented a rating system that provides parents or guardians Default / Service1~Service6 / CC1~CC4 / Text1~Text4:

> ■ Digital Caption Options: (Digital channels only) Size: Options include Default, Small, Standard and Large. The default is Standard. Font Style: Options include Default and Styles 0 to 7. The

depending on the broadcast.

color of the letters. The default is White.

Channel Menu

☐ Memorizing Channels

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

Antenna (Air / Cable)

Before your television can memorize the available channels, you must select your TV's signal source. Air (using an antenna) or Cable Select Menu > Channel > Antenna > Air or Cable. After you have

selected the signal source, go on to the Auto Program function. Selecting the signal source using the Antenna function also determines the signal source the TV is tuned to. For example, if you receive your TV signal over the air, and you select Cable you will see only snow. You must select Air to see a picture.

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

the Channel List. To start Auto Program, follow these steps

1. Push MENU Ⅲ → Channel → Auto Program → ENTER 🗗 on your remote. The Antenna Source screen appears. 2 On the Antenna Source screen, select the source of your TV

Air 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

press ENTER . Go to Step 3.

signal.

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

Memorized channels are added to the Added Channels

list. These are the channels you will see when you use the

Start, and then press ENTER . The TV will start memorizing Channel memorization can take up to 45 minutes, depending

Channel buttons on your remote **Clear Scrambled Channel** This function filters out scrambled channels after Auto Program is

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

Press the ENTER button to stop the Clear Scrambled

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

on your cable system.

Managing Channels

Channel List

See your list of Added channels, Favorite channels, or channels ou've scheduled for viewing. Add or delete Favorite channels, add or delete channels from the Added Channels list, schedule channels or programs for viewing. Watch a channel by selecting the channel in the All Channels, Added Channels, or Favorite screen, pressing the ▲ / ▼ buttons, and then pressing the ENTER 🗗 button.



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

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

■ ■ Favorite: Shows all favorite channels ■ **(i)** 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 us may differ depending on the situation.

A selected channel. • A Favorite channel.

☐ The Channel List Tools Menu TOOLS ☐ The Channel List Tools menu contains most of the functions you

press the TOOLS button. ■ Add / Delete: Delete a channel from or add a channel to the Added Channels list

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

3. Select **Delete** in the Tools menu, and then press the ENTER -

PIN option.

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

Contact Samsung

garding our call centers and how to download products and Lets you control whether a melody plays when the TV is turned on

USB Mass Storage Class (MSC) device.

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

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



 Press the MENU button. Then, press the ▲ or ▼ button to select Application on the left, and then press the ENTER

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

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

port. USB HDD is not supported.

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

itent, 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

Game Mode (On/Off)

experience by turning on the Game Mode function. Precautions and limitations for game mode:

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

(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

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

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

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

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

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

background color of the captions. The default is Black

select Default and Service1 ~ Service6 in Caption Mode. The Foreground and Background cannot be set to the Melody

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

Auto Protection Time (Off / 10 min / 20 min / 40 min / 1 hour):

If the screen remains idle with a still image for a certain period

of time you define, the screen saver is activated to prevent the

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

• When the TV is turned off by the Sleep Timer function. Auto Protection Time

Eco Solution ■ Energy Saving (Off / Low / Medium / High / Picture Off) consumption. If you select Picture Off, the screen is turned off, but the sound remains on. Press any button except volume

formation of ghost images on the screen.

button to turn on the screen.

surrounding light intensity

If you adjust the Backlight, the Eco Sensor will be set to Min. Backlight: When Eco Sensor is On, the minimum screen brightness can be adjusted manually. If Eco Sensor is On, the display brightness may change

■ Eco Sensor (Off / On): To enhance your power savings; the

picture settings will automatically adapt to the light in the room.

■ No Signal Power Off (Off / 15 min. / 30 min. / 60 min.): Sets now 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

(become slightly darker in most cases) depending on the

off when no user operation is received for 4 hours. Support Menu

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

Self Diagnosis

on the screen. ■ Sound Test: Use the built-in melody sound to check for sound

Adjust your antenna to increase signal strength.

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

(E) A reserved program. ă A program currently being broadcast.

Icons

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

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

HD Connection Guide

View this information when your TV does not work properly or

*l*ledia Play Enjoy photos, music and/or movie files saved on a

les to the USB jack on the back of the TV. A pop up window



To open Media Play in the Menu, follow these steps

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

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 Transport device. Examples of MSC are Thumb drives and Flash Card Readers. Devices should be connected directly to the TV's USB

Meaning

Display Icons Used in the Channel List Screens

can use on the All Channel, Added Channels, and Favorite List screens. To view, select a list screen, select a channel, and then

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

The PIN input screen appears before the setup screen

Software Upgrade background. Options include Default, Transparent, Translucent,

Refer to this information when connecting external devices to the

when you want to upgrade the software. You can find information

☐ Connecting a USB Device



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

Media Play might not work properly with unlicensed multimedia files.

Media Play only supports USB Mass Storage Class (MSC)

Before connecting your device to the TV, please back up your files to prevent them from damage or loss of data. SAMSUNG is

not responsible for any data file damage or data loss.

. The TV cannot play MP3 files with DRM that have been

· A USB device that requires high power (more than 0.5A) may not Do not disconnect the USB device while it is loading. • The higher the resolution of the image, the longer it takes to SubRip SubViewer If a file is corrupted or the TV does not support the file type, the 'Not Supported File Format" message appe Micro DVD .sub or .txt

SubStation Alpha

Advanced SubStation Alpha

and management of digital content in an integrated and	IIIleIIIai		
comprehensive way, including protecting the rights and interests of content providers, preventing illegal copying of contents, and	Name	Container	Format
managing billing and settlements.	Xsub	AVI	Picture Forma
PTP devices are not supported.	SubStation Alpha	MKV	Text Format
If an over-power warning message is displayed while you are	Advanced SubStation Alpha	MKV	Text Format
connecting or using a USB device, the device may not be recognized or may malfunction.	SubRip	MKV	Text Format
If the TV has no input during the time period set in Auto	MPEG-4 Timed text	MP4	Text Format

• Supported Video Formats

• The results and the results of course a desired based aliabeth divisor areas.	Suppo	rtea viae	o Formats					
 The power-saving mode of some external hard disk drives may be released automatically when your connect them to the TV. 	File Extension	Container	Video Codec	Resolution	Frame rate(fps)	Bit rate(Mbps)	Audio Codec	
 If you use a USB extension cable, the TV may not recognize the USB device or may not be able to read the files on the device. If a USB device connected to the TV is not recognized, the list of 			DivX 3.11/4.x/5.1 /6.0	1920x1080	6~30	30Mbps	MP3/	
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	*.mp4	MP4	H264	1920x1080	6~30	30Mbps	ADPCM /	
the connection.			AVC	1920x1080	6~30	30Mbps	AAC	
• If a file you deleted from the PC is still found when you run Media			MJPEG	640x480	6~30	10Mbps		
Play, use the "Empty the Recycle Bin" function on the PC to permanently delete the file. Photos only supports the sequential jpeg format.			DivX 3.11/4.x/5.1 /6.0	1920x1080	6~30	30Mbps	MP3 / AC3 /	
The Videos option does not support the scene search and thumbnail functions.	*.avi *.mkv	AVI, MKV	MPEG4 SP / ASP	1920x1080	6~30	30Mbps	LPCM / ADPCM / DTS	
• If the number of files and folders saved on a USB storage device is			H264	1920x1080	6~30	30Mbps	Core	
over approximately 4000, the files and folders may not appear and some folders may not open.			MJPEG	640x480	6~30	10Mbps		
 The maximum displayed number of files, including sub folders, in one folder of USB storage device is 2000. 	*.asf		DivX 3.11 / 4.x /5.1 / 6.0	1920x1080	6~30	30Mbps	MP3 / AC3 / LPCM /	
he media may not be playing smoothly when using the device over than USB 2.0.	*.wmv		ASF	MPEG4 SP / ASP	1920x1080	6~30	30Mbps	ADPCM / WMA / WMA
deos			H.264	1920x1080	6~30	30Mbps	Pro	
	*.ts		MPEG2	1920x1080	6~30	30Mbps	AC3 / AAC /	
Movie OT and execution of 11	*.trp *.tp *.m2ts	TS	H. 264 BP / MP / HP	1920x1080	6~30	30Mbps	MP3 / DD+ / HE-AAC	
11	*.dat		MPEG1	1920x1080	24/25/30	30Mbps	AC3 /	
THE PARTY OF THE P	*.mpg	PS	MPEG2	1920x1080	24/25/30	30Mbps	MPEG / LPCM /	
Total Total	*.mpeg *.vob		H. 264 BP / MP / HP	1920x1080	6~30	30Mbps	AAC	
☐ Pause ◆ Jump ♬ Tools > Return	*.3gp	3GPP	MPEG4 SP / ASP	1920x1080	6~30	30Mbps	MP3	
			H.264	1920x1080	6~30	30Mbps		
In the Media Play menu, press the ◀ or ▶ button to select Videos, and then press the ENTER [] button.	*.flv	flash	H.264	1920x1080	6~30	30Mbps	MDo	

*.swf formats Sorenson H.263 1920x1080 6~30 30Mbps

Before you turn the TV on, find the red light on the right or left bottom of your TV. Press the power on button

If you find that you are having trouble powering on your Samsung television, there are a number of things to check it

• If you happen to be using the TV as a monitor and the stand-by light only blinks for a few seconds when you

press the power button, your PC is in sleep mode. To take your PC out of sleep mode, press a key on your keyboard or move the mouse. Then try turning your TV on.

If you're sure your power cord, remote control, and PC are functioning properly, you may be having a cable issue. If

you have a cable or satellite box, your TV may appear to be off because the cable or satellite box is not outputting a signal. To test the signal output of your cable or satellite box, press the guide or info button on the cable or satellite

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

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

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

• If you are using an external device, check the device's audio output option Ex. you may need to change your

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

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

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)

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

• 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.

on the TV or remote and the light should blink about 5 times before the TV turns or

re making a call to the service department.

Go to MENU - Support - Self Diagnosis - Picture Test

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

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.

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

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

· Make sure the wall outlet is working

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

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

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 T

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

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

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

cable box's audio option to HDMI if the box is connected to your TV using an HDMI cable.

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

· Change the cable/satellite box resolution

may take up to 20 minutes)

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

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

deliver HD (high definition) picture quality.

scaled SD content is low.

sports and action movies.

Supported Subtitle Formats

Other Restrictions Video content will not play, or not play correctly, if there is an error in the content or the contained 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 supported

• 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 one file.

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.



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

2. Press the </

/▶/▲/▼ buttons to select the desired Music in the

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 extension. Other file extensions are not displayed, even if they are saved on the same USB device.

If the sound is abnormal when playing MP3 files, adjust the Equalizer in the Sound menu. (An over-modulated MP3 file may cause a sound problem.)

There is no picture/video.

RF (Cable/Antenna) Connection

The picture is distorted: macroblock

Component cable connection

Others

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

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

button on the remote control to start a slide sho

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

You can move to other files using ◀ or ▶ button.

Show if Background Music is set to On

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

Other Restrictions

• CMYK, YCCK Color space JPEG are not supported.

■ Playing selected video/music/photo files 1. On the File List screen, highlight a file, and then press the Yellow

 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

then press the ENTER button.

■ Playing a video/music/photo folder

ENTER button.

Installing the Wall Mount Kit The wall mount kit (sold separately) allows you to mount the TV on ◄/►/▲/▼ buttons to highlight a folder

the wall. 2. Press the TOOLS button, select Play Folder, and then press the For detailed information about installing the wall mount, see the instructions provided with the wall mount items. Contact a

> echnician 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

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 arest dealer. If you install the TV on a ceiling or slanted wall, it may fall and result in severe personal injury.

Videos Music Photo

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

 When purchasing our wall mount kit, a detailed installation manual and all parts necessary for assembly are provided

M4

M6

Do not install your Wall Mount Kit while

ersonal injury due to electric shock.

your TV is turned on. It may result in

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,

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

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

We strongly recommend you drive the screws into a stud.

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

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

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

3. Connect the brackets on the TV and the brackets on the wall

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

Untie the string or cable before moving the TV.

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.

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

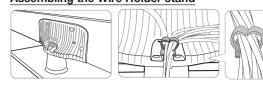
with a strong string or cable, and then tie the string or cable

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

not supplied, please purchase these separately

sed 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 proper use.

 $\ \ \, \ \ \,$ Please find a " $\ \ \, \ \ \,$ icon on the rear of the TV. The Kensington slot is beside the "A" icon.



Display Modes (HDMI/DVI Input)

Optimal resolution is 1920 x 1080@60Hz

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 efficient features like the Eco Sensor or the Energy Saving feature. Follow the steps below with your remote to turn these features off or on.
	$ \bullet \ \textbf{Energy saving} : \textbf{Menu} \rightarrow \textbf{Setup} \rightarrow \textbf{Eco Solution} \rightarrow \textbf{Energy Saving} \rightarrow \textbf{Select Settings} $
	$ \bullet \ \text{Eco Sensor} : \text{Menu} \rightarrow \text{Setup} \rightarrow \text{Eco Solution} \rightarrow \text{Eco Sensor} \rightarrow \text{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.
	$\bullet \ \ Self Diagnosis : User Menu \to Support \to Self Diagnosis \to Picture Test$
	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.
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.
	• No Signal Power Off : User Menu \rightarrow Setup \rightarrow Eco Solution \rightarrow No Signal Power
	 Auto Power Off: User Menu → Setup → Eco Solution → Auto Power Off

Storage and Maintenance

a soft cloth to prevent scratches.





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



License



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surround sound experience from the TV's built-in speakers, while maintaining steady volume and delivering rich bass and clear dialog.

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

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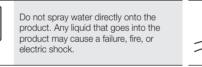
🦠 If a sticker was attached to the TV screen, some debris can remain after you remove the sticker. Please clean it before watching

Name The exterior and screen of the product can get scratched during cleaning. Be sure to wipe the exterior and screen carefully using

of the TV.

tightly to the brackets.

professional installer





SRS TheaterSound™ provides the most immersive



and are used under license.

Notice is written only English.

o send inquiries and requests for questions regarding open sources, contact Samsung via Email (oss.request@samsung.com). ■ This product uses some software programs which are distributed under the Independent JPEG Group.

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Environmental Considerations 50°F to 104°F (10°C to 40°C) Operating Temperature Operating Humidity 10% to 80%, non-condensing Storage Temperature -4°F to 113°F (-20°C to 45°C) Storage Humidity 5% to 95%, non-condensing Model Name UN55EH6001 Display Resolution 1920 x 1080 Screen Size 55" Class (54.6" measured diagonally) (Diagonal) Sound Output 10W x 2 Dimensions (W x H x D) 49.2 X 28.9 X 3.7 inches (1250.6 X 735.7 X 94.3 (mm)) With stand 49.2 X 31.0 X 8.9 inches (1250.6 X 789.2 X 227.6 (mm Weight 45.6 lbs (20.7 kg) Without Stand 51.3 lbs (23.3 kg) With Stand

Design and specifications are subject to change without prior notice.

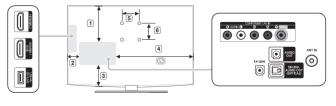
This device is a Class B digital apparatus.

🦠 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.

■ JACK PANEL DETAIL / REAR VIEW

Specifications



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

(Unit: inches)

prior to performing installation of your TV. Not responsible for typographical or printed errors. © 2012 Samsung Electronics America, Inc



2. Press the **◄**/**▶**/**▲**/**▼** buttons to select a photo in the file list.

While a photo list is displayed, press the ► (Play) / ENTER

 All files in the file list section will be displayed in the slide show During the slide show, you can adjust the slide show speed using (◄) (REW) or (►) (FF) button.

Media Play can play Music files automatically during a Slide You cannot change the Mode in Background Music until the Background Music file has finished loading.

lmanua	Dhata
 Supported Photo Fo 	ormats

Playing Multiple Files

button on your remote 2. Repeat Step 1 to select multiple files

NOTE

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

1. With the folders on your USB device displayed, use the

• Set your external device's (Cable/Sat Box, DVD, Blu-ray etc) video outputs to match the connections to the TV input. For example, if an external device's output is HDMI, it should be connected to an HDMI input on the TV. Make sure your connected devices are powered on. • Be sure to select the correct input source by pressing the SOURCE button on the remote control. Reboot the connected device by reconnecting the device's power cable.

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

• Make sure the coaxial cable is connected securely

 Run Auto Program to add available channels to the channel list, go to MENU - Channel - Auto program then select Auto and make sure the correct Cable TV signal type is set in the menu. There are 3 options. (STD, HRC and IRC) Verify the antenna is positioned correctly No Caption on digital channels. • Check the Caption Setup menu. Try changing Caption Mode Service 1 to CC1. · Some channels may not have caption data.

error, small block, dots, pixelization sports and action movies. • A weak signal can cause picture distortion. This is not a TV problem Purple/green rolling horizontal bars and • 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 w top-box has a grounding issue. Replace the Component video cables with an HDMI conne

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

· Clean the transmission window located on the top of the remote control • 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 does not turn the TV on or off, or adjust the SAMSUNG TV code

A "Mode Not Supported" message

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

There is a plastic smell from the TV. • This smell is normal and will dissipate in a few days. TV Signal Strength is unavailable in the

This function is only available for digital channels received through an Antenna / RF/Coax connection Self Diagnosis Test menu. TV is tilted to the right or left side. Remove the stand base from the TV and reassemble it. The Channel menu is only available when you select the TV source. The Channel menu is grey out

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

• If TV is in the **Store Demo** mode, it will reset audio and picture settings every 30 minutes. Please change from **Store Demo** mode to **Home Use** mode using the **Plug & Play** procedure. Press the SOURCE button to select **TV** mode, go to MENU → **Setup** → **Plug & Play** → ENTER ■. Check the cable connections and reconnect them Loss of audio or video can be caused by using overly rigid or thick cables. Make sure the cables are flexible enough for long term use. If mounting the TV to the wall, we recommend using cables with 90 degree

 This is part of the product's design and is not a defect. You see small particles when you look 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.

Wall Mount Kit Specifications (VESA)

Do not fasten the screws too firmly. This may damage the

19~22

26

32~40

46~60

Securing the TV to the Wall

To prevent the TV from falling

LED-TV

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

Do not use screws that are longer than the standard dimension or do not comply with the VESA standard screw specifications.

 For wall mounts that do not comply with the VESA standard depending on the wall mount specifications.

product or cause the product to fall, leading to personal injury

Samsung is not liable for product damage or personal injury

75 X 75

100 X 100

200 X 200

400 X 400

when a non-VESA or non-specified wall mount is used or the consumer fails to follow the product installation instructions.

Samsung is not liable for these kinds of accidents

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

Product | TV size in | VESA screw hole specs | Standard

Family inches (A * B) in millimeters Screw

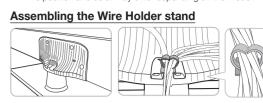
· Always have two people mount the TV on a wall

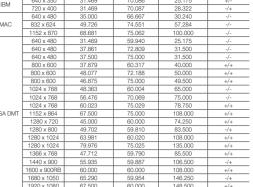
Screws that are too long may cause damage to the inside of the

Kensington Lock

The position and color may differ depending on the model.

The Kensington Lock is not supplied by Samsung. It is a device





3 3	features like the Eco Sensor or 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
	$ \bullet \ \textbf{Eco Sensor} : \textbf{Menu} \rightarrow \textbf{Setup} \rightarrow \textbf{Eco Solution} \rightarrow \textbf{Eco Sensor} \rightarrow \textbf{Select Settings} $
nent Connections / Color	If you find that the color on your Samsung television's screen is not correct or black and white, first run a Self Diagnosis Test on the TV to make sure there are no device issues.
	 Self Diagnosis : User Menu → Support → Self Diagnosis → Picture Test
	If the test is ok, try making sure;
	Your connections are all consistent. For example, if you've used the AV In jack on your TV, make sure you have used the AV Out jack on your video source.
	 Try making sure you have connected to the correct jacks. For example, if you use the Component jacks, labeled Pb, Pr, and Y, to connect your TV and video source, make sure you have connected the blue Pb jack on the video source to the blue Pb jack on the TV, the red Pr jack on the source to the red Pr jack on the TV.
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.
ed 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.
	 No Signal Power Off: User Menu → Setup → Eco Solution → No Signal Power
	 Auto Power Off: User Menu → Setup → Eco Solution → Auto Power Off

downloaded from a for-pay site. Digital Rights Management (DRM) is a technology that supports the creation, distribution,

Protection Time, the Screensaver will run.

y on the screen.

If you use a USB extension cable, the TV may not recognize th USB device or may not be able to read the files on the device. If a USB device connected to the TV is not recognized, the list 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 Med Play, use the "Empty the Recycle Bin" function on the PC to permanently delete the file.

 Photos only supports the sequential ipeg 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 devi

over approximately 4000, the files and folders may not appear some folders may not open. The maximum displayed number of files, including sub folders, 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.

During video playback, you can search using the ◀ and

The file name is displayed on the top of the screen with the playing time - If video time information is unknown, playing time and the progress bar are not displayed.

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

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

Trouble Powering Or

Stand Assembly Cannot find a channel Poor Picture

The TV image does not look as good as it did in the store. The picture is distorted: macroblock

error, small block, dots, pixelization

Color is wrong or missing. There is poor color or brightness. There is a dotted line on the edge of

The picture is black and white When changing channels, the picture freezes or is distorted or delayed. Sound Problems

There is no sound or the sound is too low at maximum volume.

The picture is good, but there is no

No Picture, No Video

The speakers are making an

The TV turns off automatically

Media Play - Additional Functions ■ Videos/Music/Photos Play Option menus When playing a file, press the TOOLS button.

Repeat Mode You can play movie and music

Audio Format You can select the digital audio output format.

Title

Picture Size

Auto Motion

Language

Stop Slide Show /

Start Slide

Slide Show Speed

Rotate

Settings

USB device.

Using the Setup Menu

registration is completed.

Other Information

Operation

You can select another video file to play directly.

You can adjust the picture size to

You can enhance motion in fast

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

You can change the audio

language if the video has more than one language.

u can start or stop a Slide

You can select the slide show

can set and select

You can zoom into images in full

■ DivX® Video On Demand : Shows the registration code

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

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

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

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

■ Information: Select to view information about the connected

You can rotate images in full

Sound Mode You can adjust the sound setting.

Picture Mode You can adjust the picture setting.

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