user manual

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 primarily be in the wide screen 16:9 ratio format, or expanded to ill the screen if your model offers this feature and the images are constantly moving. Displaying stationary graphics and images on screen, such as the dark sidebars on non-expanded standard format television video and programming, should be limited to no more than 5% of the total television viewing per week. Additionally, viewing other stationary images and text such as stock market 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 n 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



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

- ▲/▼ buttons and the Yellow Select button on your remote. 2. Press the TOOLS button on your remote. The Tools menu appears.
- 3. Select Add to Favorite in the Tools menu, and then press the ENTER 🗗 button.
- To delete channels from the Favorites list, follow these steps: 1. Select one or more channels in the Favorite Channels list
- using the \blacktriangle/∇ buttons and the Yellow Select button on your remote.
- 2. Press the TOOLS button on your remote. The Tools menu appears. 3. Select Delete from Favorite in the Tools menu, and then
- press the ENTER 🖼 button.
- Timer Viewing: You can schedule a channel to be displayed automatically at a set time, even when you are watching another Change Info: Change the scheduling information for a show or 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 A/V buttons and the Yellow Select button on your remote. 2. Press the TOOLS button on your remote. The Tools menu
- appears. Select **Time Viewing** in the Tools menu, and then press the ENTER I button. The Time Viewing screen appears.
- Timer Viewing



4. Use the **◄/**► buttons to move from entry field to entry field and the $\blacktriangle/\blacktriangledown$ buttons to change the entries. Where numbers are displayed, you can also enter numbers directly using the number keypad on your remote.

ransportation to and from the Service Center is the responsibility of the purchaser. Conditions covered are limited only to manufacturing defects in material or workmanship, and only those encountered in normal use of the product. Excluded, but not limited to, are any originally specified provisions for, in-home or on-site services, minimum or maximum repair times, exchanges or replacements, accessories, options, upgrades, or consumables,

6000 6050

- 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 guality. 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 details

Contact SAMSUNG WORLDWIDE If you have any questions or comments relating to Samsung products se 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 07660-2112
Customer Care Center 🖀	1-800-SAMSUNG(726-7864)	
Web Site	www.samsung.com	

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- Solution If you select Everyday or Every Week, the date you select in the Date field becomes the start date for you 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 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.
- S 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. 1. Select one or more channels in the All Channels list using the Select All: Select all the channels in the displayed channel list. Deselect All: Deselect all the selected displayed channels.
 - Solution 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 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

 - 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 I 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 🕑 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 I 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 I button.

- 5 -

The On Screen Menus

Your TV has two kinds of menus, the Main menu and the various Tools menus. The Main menu gives you access to most or all of the menu options available on your TV. The Tools menus display a selected number of frequently used menu options that change depending on the screen you are viewing. A Tools menu symbol (元) in the lower right side of the screen indicates that a Tools menu E Color Space (Auto / Native): Auto automatically matches the is available.

Advanced Settings

ailable in Standard and Movie mode only.

changes to Gamma and White Balance.

precise picture with more precise controls.

color range of the video source.

green, blue) dark

blue) brightness

dim light, the screen dims.

mode is set to Dynamic.

the TVs 16:9 mode most of the time.

borders on the right and left of the picture.

is not covered by the warranty

by Input Source are listed below:

To set the clock, follow these steps

Select Setup >Time > Clock

ENTER 🕑 again

digital channel.

If you selected Auto

press ENTER

If you selected Manual:

60, 90, 120, 150 and 180 minutes).

Timer 1 / Timer 2 / Timer 3

You must set the clock first.

Volume: Set the desired loudness.

Activate.

the USB device:

- 6

device lower than USB 2.0.

and the type or name of the device.

To cancel the Sleep Timer, select Off.

Sleep Timer TOOLS

(1080i / 1080p) HD signals.

top, and bottom are cut off.

and bottom are cut off.

fits the entire screen.

Picture Options

redder (warmer).

Gamma: Adjusts the primary color intensity

Available in **Standard** mode only.

natural.

look darker.

Compared to previous models, new Samsung TVs offer a more

Nhen 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,

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

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 mal

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

S Warm1 and Warm2 are deactivated when the picture

■ Size: Set the size and aspect ratio of the picture on the screer

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

No. 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

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

The TV will automatically download the correct time from a

Select Time Zone, and then press the ENTER I button.

Select DST (Daylight Savings Time), and then press

ENTER . Select On if you want to turn the DST

Use the ▲/▼ buttons to select your Time Zone, and then

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.

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

Available only when Clock Mode is set to Manual

Automatically shuts off the TV after a preset period of time. (30,

Activate/Inactivate fields for the On Time and Off Time. Use the

 \checkmark buttons to move from field to field. Use the \land/\lor buttons

the setting you have chosen, set the Activate/Inactivate field to

to change the values in each field. To activate the timer with

Contents: To select what will be turned on when the timer

the \blacktriangle/∇ buttons to change the values in each field.

connected to your TV before you can select USB.

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

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,

appears. Use the ◀/► buttons to move from field to field. Use

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

- Channel: If you have selected TV, select the desired channel.

Solution The maximum displayed number of files, including sub

folders, in one folder of USB storage device is 2000.

 \circledast The media may not be playing smoothly when using the

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)

- Music/Photo: If you have selected USB, follow these steps to

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

and then press the ENTER I button. The Contents screen

Turns the TV on and off automatically at times and days you

select. You can set three different on/off timer settings.

On Time / Off Time: Set the hour, minute, am/pm, and

the Clock Mode is set to Auto.

S DST and Time Zone function are only available when

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

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

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 menus.

Picture Menu

Mode TOOLS

Select your preferred picture mode.

- Nhen your TV is connected to a PC, you can only select Entertain and Standard.
- Dvnamic: 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 Sharpness.
- 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 I 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 I button to change information, or select Close and press the
- ENTER I 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

Channels) 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 **ACHV** button

Fine Tune

Setup Menu

instructions, see your Quick Start Guide.

Plug & Play

Language

Time

of the TV.

clock again

Set the menu language.

□ Setting the Time

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.
- Sine tuned channels that have been saved are marked with 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.

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

Schoose between English, Español, and Français.

So The time you set will appear when you press the INFO

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

If you disconnect the power cord, you have to set the

Input Source	Picture Size
ATV, AV, Component (480i, 480p)	16:9, Zoom1, Zoom2 4:3
DTV (1080i, 1080p), Component (1080i, 1080p), HDMI (720p, 1080i, 1080p)	16:9, Wide Fit, 4:3, Screen Fit

Digital Noise Filter (Off / Low / Medium / High / Auto) : If the broadcast signal received by your TV is weak, you can activate the Digital Noise Filter feature to reduce any static and ghosting that may appear on the screen.

Nhen the signal is weak, try all the Digital Noise Filter options until the TV displays the best picture HDMI Black Level (Normal / Low) : For HDMI signals, select

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

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

Sound Menu

darker.

Mode TOOLS

Equalizer

frequencies.

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.

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

Reset: Resets the equalizer to its default settings.

SRS TruSurround HD

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

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

If there are no folders on your device, press the Yellow select button to select the Root folder, and then press the RETURN button. The Timer screen

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

4. Press the RETURN button. The Timer screen re-appears. Repeat: Select Once, Everyday, Mon~Fri, Mon~Sat, Sat~Sun or Manual. If you select Manual, you can select the days you want to activate the timer by using the </▶ buttons to highlight the day, and then pressing the ENTER 🕞 button. To unselect a day, highlight it, and then press the ENTER I button.

When you finished making all your selections on the Timer screen. press either the ENTER 🕞 or RETURN button.

Other Features

Program Rating Lock

children.

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

enter the same PIN.

- S Program Rating Lock is not available in HDMI or Component mode
- The default PIN number of a new TV set is "0-0-0-0". You can

set your own PIN using the Change PIN function. How It Works

When you access the Program Rating Lock Menu functions for the first time, the PIN input screen appears. Enter 0-0-0-0. The PIN creen 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 II. 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 I button. The options are listed below:

TV Parental Guidelines: You can block TV programs based on their ratings. This function allows you to control what your children are watching.

■ MPAA Bating: 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 guardians with advanced information on which films are appropriate for

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

French Canadian ratings Downloadable U.S. Rating: Parental restriction information can be used while watching DTV channels.

Preferred Language

Digital channels only.

Digital-TV broadcasts can transmit many audio tracks

 simultaneously (for example, simultaneous translations of a program into foreign languages).

Nou can only select a language from among the ones being broadcast.

Multi-Track Sound (MTS)

- Analog channels only.
- Mono: Select for channels that are broadcasting in mono or if you are having difficulty receiving a stereo signal. Stereo: Select for channels that are broadcasting in stereo
- the black level to adjust the screen depth. Low make blacks look SAP: Select to listen to the Separate Audio Program, which is usually a foreign-language translation.
 - 🗞 Depending on the program being broadcast, you can listen to Mono, Stereo or SAP.

Auto Volume

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

SPDIF Output

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

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

- By connecting the TV to a receiver or home theater with Dolby Digital and 5.1ch speakers and selecting Dolby Digital, you can maximize your interactive 3D sound
- experience Audio Delay: Lets you correct timing mismatches between the audio track and the video when you are watching the TV and listening to digital audio output from the TV through an external device such as an AV receiver. When you select Audio Delay, a slider appears. Use the left and right arrow buttons to adjust the slider. Press ENTER I when done (0ms ~ 250ms).

Speaker Settings

Speaker Select (External Speaker / TV Speaker)

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, set the TV to External Speaker.

- Nhen you set Speaker Select to External Speaker, the TV's speakers are turned off. You will hear sound through the external speakers only. When you set Speaker Select to TV Speaker both the TV's speakers and the external speakers are on. You will hear sound through both
- When Speaker Select is set to External Speaker, the VOLUME and MUTE buttons will not operate and the sound settings will be limited. If there is no video signal, both the TV's speakers and the
- external speakers will be mute Sound Reset

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

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 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

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

- RETURN button on your remote. Change PIN: The Change PIN screen will appear. Choose any 4 digits for your PIN and enter them in Enter New PIN fields. Re-enter the same 4 digits in Confirm New PIN fields. When the Change PIN screen disappears, press the OK button. The TV has memorized your new PIN.
- If you forget the PIN, press the remote-control buttons in the following sequence, which resets the pin to "0-0-0-0" POWER (off) \rightarrow MUTE \rightarrow 8 \rightarrow 2 \rightarrow 4 \rightarrow POWER (on)

Game Mode (On/Off)

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

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. • If you display the TV menu in Game Mode, the screen shakes
- Same Mode is not available when the input source is set to
- After connecting the game console, set Game Mode to On. You may notice slightly reduced picture quality.

Caption

- (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
- So The Caption feature does not work in Component or HDMI mode.
- Caption Mode: You can select the desired caption mode
- Default / CC1~CC4 / Text1~Text4: (analog channels only) The Analog Caption function operates in either analog TV channel mode or when a signal is supplied from an external device to the TV. (Depending on the broadcasting signal, the Analog Caption function may or may not work with digital channels.)
- Default / Service1 ~ Service6 / CC1 ~ CC4 / Text1 ~ Text4: (Digital channels only) The Digital Captions function works with digital channels.
- Service1~6 may not be available in digital caption mode depending on the broadcast.
- Digital Caption Options: (Digital channels only)
- Size: Options include Default, Small, Standard and Large. The default is Standard.

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

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

Managing Channels

♥ TV #6

♥ TV #9

♥ TV #10

Zoom Select 🗐 Tools 🕨 Next Program

icon using the ▲/▼ buttons to view each list.

■ ♥ Favorite: Shows all favorite channels.

function to the channels you selected

A selected channel

A Favorite channel.

A reserved program

Icons

 \checkmark

•

G

ŏ

press the TOOLS button.

Added Channels list

appears.

button

PIN option.

Software Upgrade

HD Connection Guide

Contact Samsung

ledia Play

Turn on your TV.

menu appears.

edia Play

B

button

appears.

software.

Channel memorization can take up to 45 minutes, depending 🛛 The Channel List Tools Menu TOOLS 🗊

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

See your list of Added channels, Favorite channels, or channels

you've scheduled for viewing. Add or delete Favorite channels, add

or delete channels from the Added Channels list, schedule channels

or programs for viewing. Watch a channel by selecting the channel

the ▲ / ▼ buttons, and then pressing the ENTER button.

in the All Channels, Added Channels, or Favorite screen, pressing

Channel List Screens icons are listed on the left side. Select an

■ 🦓 All Channels: Shows all currently available channels including

Added Channels: Shows all Added Channels. These are the

scheduled using Timer Viewing

Yellow (Select): Move the cursor to a channel. Press the Yellow

• 🞜 (Tools): Displays the Channel List Tools menu. (The Tools

A program currently being broadcast

The Channel List Tools menu contains most of the functions you

can use on the All Channel, Added Channels, and Favorite List

screens. To view, select a list screen, select a channel, and then

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

1 Select one or more channels in the Added Channels list using

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

The PIN input screen appears before the setup screen.

Software Upgrade can be performed by downloading the latest

Refer to this information when connecting external devices to the

View this information when your TV does not work properly or

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

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

iles 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

MEDIA.F

regarding our call centers and how to download products and

Enjoy photos, music and/or movie files saved on a

USB Mass Storage Class (MSC) device.

□ Connecting a USB Device

Using the Media Play Menu

To open Media Play in the Menu, follow these steps

press the ENTER 🛃 button.

multimedia files

1. Press the MENU button. Then, press the ▲ or ▼ button to

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

S Media Play might not work properly with unlicensed

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

• The file system supports FAT16, FAT32 and NTFS.

port. USB HDD is not supported.

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

select Application on the left, and then press the ENTER

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

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

• Media Play only supports USB Mass Storage Class (MSC) devices. MSC is a Mass Storage Class Bulk-Only Transport device. Examples of MSC are Thumb drives and Flash Card Readers. Devices should be connected directly to the TV's USB eart USB UDD is act support.

mware from samsung.com to a USB memory device.

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

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

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

Add / Delete: Delete a channel from or add a channel to the

button to select the channel. A \checkmark mark appears. Repeat to select additional channels. Then, open the Tools menu and apply a

Meaning

Programmed: Shows all channels and programs currently

Semote control buttons active on the Channel List screen.

Green (Zoom): Enlarges or shrinks a channel number.

enus may differ depending on the situation.)

Display Icons Used in the Channel List Screens

channels that appear when you press the CH button.

those you deleted from the Added Channels

Channel List

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.

- \circledast Selecting the signal source using the ${\bf Antenna}$ 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

Auto

Step 3.

channels.

Channel

Solid and Flashing

same color.

The Melody does not play:

Auto Protection Time

button to turn on the screen.

brightness can be adjusted manually.

surrounding light intensity.

being received.

Self Diagnosis

on the screen.

Support Menu

follow the directions on the screen.

Eco Solution

button has been pressed

formation of ghost images on the screen.

Melody

or off

Background Opacity to its default.

on your cable system.

Clear Scrambled Channe

Channel buttons on your remote

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 $\blacksquare \rightarrow$ Channel \rightarrow Auto Program \rightarrow ENTER P on your remote. The Antenna Source screen appears.

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

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

Cable 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

or IRC. Most systems are STD (Standard). When done, select

Start, and then press ENTER . The TV will start memorizing

Memorized channels are added to the Added Channels

This function filters out scrambled channels after Auto Program is

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,

Foreground Color, Background Color, Foreground Opacity and

Digital Caption Options are available only when you can

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

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

has been reduced to minimum with the VOL - buttor

When the TV is turned off by the Sleep Timer function

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

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

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

Energy Saving (Off / Low / Medium / High / Picture Off) :

consumption. If you select **Picture Off**, the screen is turned

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

off, but the sound remains on. Press any button except volume

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

If you adjust the Backlight, the Eco Sensor will be set to

Min. Backlight: When Eco Sensor is On, the minimum screen

S If Eco Sensor is On, the display brightness may change

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

■ Auto Power Off (Off / On): The TV will be automatically turned

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

Sound Test: Use the built-in melody sound to check for sound

Signal Strength: (Digital channels only) An HD channel's

Adjust your antenna to increase signal strength.

appears in the test picture, select Yes and follow the directions

problems. If the problem occurs during the test, select Yes and

eception quality is either perfect or the channels are unavailable.

Disabled when the PC is in power saving mode.

off when no user operation is received for 4 hours.

how quickly the TV switches to standby mode, if no picture is

(become slightly darker in most cases) depending on the

ect Default and Service1 ~ Service6 in Caption Mode

background color of the captions. The default is Black

New Yeess the ENTER I button to stop the Clear Scrambled

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

Solution This function is only available in Cable mode.

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

the type of digital and analog cable systems you have: STD, HRC,

- Before connecting your device to the TV, please back up your files to prevent them from damage or loss of data. SAMSUNG is not responsible for any data file damage or data loss. • A USB device that requires high power (more than 0.5A) may not
- be supported Do not disconnect the USB device while it is loading. • The higher the resolution of the image, the longer it takes to
- display on the screen.
- If a file is corrupted or the TV does not support the file type, the "Not Supported File Format" message appe The TV cannot play MP3 files with DRM that have beer 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 be released automatically when your connect them to the TV.
- · If you use a USB extension cable, the TV may not recognize the USB device or may not be able to read the files on the device.
- If a USB device connected to the TV is not recognized, the list of files on the device is corrupted, or a file in the list is not played, connect the USB device to a PC, format the device, and check the 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.

Videos



1. In the Media Play menu, press the ◀ or ► button to select Videos, and then press the ENTER I button.

2. Press the $\langle / \rangle / \langle / \rangle$ buttons to select a video in the file list.

3. Press the ENTER button or ► (Play) button The file name is displayed on the top of the screen with the

- playing time
- If video time information is unknown, playing time and the progress bar are not displayed.
- During video playback, you can search using the ◀ and
- buttons.

Trouble Powering Or

Stand Assembly

Poor Picture

it did in the store.

Cannot find a channe

The TV image does not look as good a

The picture is distorted: macroblock

error, small block, dots, pixelization

There is poor color or brightness

The picture is black and white.

There is a dotted line on the edge of

When changing channels, the picture

There is no sound or the sound is too

The picture is good, but there is no

freezes or is distorted or delayed.

Sound Problems

low at maximum volume

The speakers are making an

The TV turns off automatically

inappropriate noise

No Picture, No Video

The TV will not turn or

Color is wrong or missing.

the scree

sound.

In this mode, you can play movie clips contained in a game,

but you cannot play the game itself.

 Supported Subtitle Formats External

Name		File extension	
MPEG-4 timed text		.ttxt	
SAMI			.smi
SubRip			.srt
SubViewer			.sub
Micro DVD			.sub or .txt
SubStation Alpha			.ssa
Advanced SubStation Alpha		.ass	
Internal			
Name	Co	ontainer	Format
	Co	ontainer AVI	
Name			
Xsub		AVI	Picture Format
Name Xsub SubStation Alpha		AVI MKV	Picture Format Text Format

	IVIFEG-4	TIMEU lext	IVI	-4	IEXL FU	Jiiidl
uppo	rted Vide	o Formats				
File ension	Container	Video Codec	Resolution	Frame rate(fps)	Bit rate(Mbps)	Audio Codec
		DivX 3.11/4.x/5.1 /6.0	1920x1080	6~30	30Mbps	MP3/
mp4	MP4	H264	1920x1080	6~30	30Mbps	ADPCM /
		AVC	1920x1080	6~30	30Mbps	AAC
		MJPEG	640x480	6~30	10Mbps	
		DivX 3.11/4.x/5.1 /6.0	1920x1080	6~30	30Mbps	MP3 / AC3 /
*.avi AVI, .mkv MKV	MPEG4 SP / ASP	1920x1080	6~30	30Mbps	LPCM / ADPCM / DTS	
	H264	1920x1080	6~30	30Mbps	Core	
	MJPEG	640x480	6~30	10Mbps]	
'.asf ASF	DivX 3.11 / 4.x /5.1 / 6.0	1920x1080	6~30	30Mbps	MP3 / AC3 / LPCM /	
	MPEG4 SP / ASP	1920x1080	6~30	30Mbps	ADPCM / WMA / WMA	
		H.264	1920x1080	6~30	30Mbps	Pro
*.ts		MPEG2	1920x1080	6~30	30Mbps	AC3 /
*.trp *.tp TS m2ts		H. 264 BP / MP / HP	1920x1080	6~30	30Mbps	AAC / MP3 / DD+ / HE-AAC
.dat		MPEG1	1920x1080	24/25/30	30Mbps	AC3 /
mpg	PS	MPEG2	1920x1080	24/25/30	30Mbps	MPEG /
npeg .vob	H. 264 BP / MP / HP	1920x1080	6~30	30Mbps	LPCM / AAC	
.3gp	3GPP	MPEG4 SP / ASP	1920x1080	6~30	30Mbps	MP3
-		H.264	1920x1080	6~30	30Mbps	
* 0	0	H.264	1920x1080	6~30	30Mbps	

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 you 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 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)

box 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 on.

efore 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.

Make sure the wall outlet is working.

if there is no signal.

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 TN

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

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

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

- 13 -

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

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

. 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)

on the TV.

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

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

deliver HD (high definition) picture quality.

scaled SD content is low.

sports and action movies.

Other Restrictions

 Video content will not play, or not play correctly, if there is an erro in the content or the containe

- 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.

Music

There is no picture/video

RF (Cable/Antenna) Connection

The TV is not receiving all channels.

No Caption on digital channels.



🖃 Pause 🜗 Jump 🞜 Tools 🄊 Re

- Music, and then press the ENTER I button.
- 2. Press the $\langle \mathbf{A} | \mathbf{V} \rangle$ buttons to select the desired Music in the file list
- 3. Press the ENTER button or (Play) button. During music playback, you can search using the < and</p> button.
- Section 4 (REW) and ► (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.)



Photos, then press the ENTER 🔫 button

- 2. Press the $\langle \mathbf{A} | \mathbf{V} \rangle$ buttons to select a photo in the file list. Press the ENTER I button or
 (Play) button.
- 🔊 NOTE
- While a photo list is displayed, press the ▶ (Play) / ENTER 🕑 button on the remote control to start a slide sh
- · 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. Sou cannot change the Mode in Background Music until the Background Music file has finished loading.

Supported Photo Formats

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

Other Restrictions • CMYK, YCCK Color space JPEG are not supported.

Playing Multiple Files

- Playing selected video/music/photo files $\ensuremath{\mathbf{1.}}$ 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

· 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.

Make sure your connected devices are powered on.

Make sure the coaxial cable is connected securely.

Verify the antenna is positioned correct

· Some channels may not have caption data.

· Run Auto Program to add available channels to the channel list

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

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

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.

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)

- A \checkmark 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
- $\langle / \rangle / \langle / \rangle$ buttons to highlight a folder 2. Press the TOOLS button, select Play Folder, and then press the ENTER 🕑 button.

mount on your own

the wall.

- the TV.
- License

SISO

DIVX.

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

DOLBY

dts 2.0+Digital Out

- ICU License ICU 1.8.1 and later

The picture is distorted: macroblock, error, small block, dots, pixelization.	 Compression of video contents may cause picture distortion, especially on fast moving pictures such as those in sports and action movies.
	A weak signal can cause picture distortion. This is not a TV problem.
Others	
Purple/green rolling horizontal bars and buzzing noise from the TV speakers with Component cable connection.	 Remove the left and right audio connections from the set-top-box. If the buzzing stops, this indicates that the set top-box has a grounding issue. Replace the Component video cables with an HDMI connection.
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 TV. Adjust the picture size option on your external device or change the TV to full screen.
The remote control does not work.	 Replace the remote control's batteries. Make sure you insert them with the polarity (+/-) correct. 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.
The cable/set top box remote control does not turn the TV on or off, or adjust the volume.	 Program the Cable/Set top box remote control to operate the TV. Refer to the Cable/Set top box user manual for the SAMSUNG TV code.
A "Mode Not Supported" message appears.	Check the supported resolution of the TV and adjust the external device's output resolution accordingly. Refer to resolution settings in this manual.
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 Component. 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 Self Diagnosis Test menu.	This function is only available for digital channels received through an Antenna / RF/Coax connection.
TV is tilted to the right or left side.	Remove the stand base from the TV and reassemble it.
The Channel menu is grey out (unavailable).	The Channel menu is only available when you select the TV source.
Your settings are lost after 30 minutes or every time the TV is turned off.	If TV is in the Store Demo mode, it will reset audio and picture settings every 30 minutes. Please change from Store Demo mode to Home Use mode using the Plug & Play procedure. Press the SOURCE button to select TV mode, go to MENU → Setup → Plug & Play → ENTER .
You have intermittent loss of audio or video.	 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 connectors.
You see small particles when you look closely at the edge of the frame of the TV.	This is part of the product's design and is not a defect.
POP (TV's internal banner ad) appears on the screen.	Select Home Use under Plug & Play mode. For details, refer to Plug & Play (Initial Setup).

🗞 This TFT I FD 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.

Natch 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 \rightarrow Support \rightarrow 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.

- 14-

Media Play - Additional Functions

🔊 NOTE

screw specifications

19~22

26

32~40

46~60

Securing the TV to the Wall

To prevent the TV from falling

LED-T\

 \mathbb{A}

of the TV.

tightly to the brackets.

professional installer.

TV set

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

When purchasing our wall mount kit, a detailed installation

manual and all parts necessary for assembly are provided

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

• 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 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 product damage or personal injury

75 X 75

100 X 100

200 X 200

400 X 400

Caution: Pulling, pushing, or climbing onto the TV may cause

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.

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

any doubt about the security of your connections, contact a

are at the same height or lower than the brackets on the TV.

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

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

Untie the string or cable before moving the TV.

Source the string or cable so that the brackets on the wall

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

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

not supplied, please purchase these separately

the TV to fall. In particular, ensure that your children do not

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

Quantity

M4

M6

M8

Do not install your Wall Mount Kit while

ersonal injury due to electric shock.

your TV is turned on. It may result in

Samsung is not liable for these kinds of accidents.

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

· Always have two people mount the TV on a wall

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

inches (A * B) in millimeters

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

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

Category

Repeat Mode

Picture Size

Picture Mode

Auto Motion

Sound Mode

Audio Forma

Language

Stop Slide

Start Slide

Slide Show Speed

Background Music

Zoom

Rotate

Information

Settings

USB device.

Show

Subtitle

Setting

Title

a file, press the TOOLS button.						
Operation	Videos	Music	Photos			
You can select another video file to play directly.	\checkmark					
You can play movie and music files repeatedly.	\checkmark	\checkmark				
You can adjust the picture size to your preference.	\checkmark					
You can adjust the picture setting.	\checkmark		\checkmark			
You can enhance motion in fast moving scenes.	\checkmark					
You can adjust the sound setting.	\checkmark	\checkmark	 ✓ 			
You can play the video with Subtitles. This function only works if the subtitles have the same file name as the video.	~					
You can select the digital audio output format.	\checkmark					
You can change the audio language if the video has more than one language.	~					
You can start or stop a Slide Show.			~			
You can select the slide show speed during the slide show.			~			
You can set and select background music when watching a Slide Show.			~			
You can zoom into images in full screen mode.			~			
You can rotate images in full screen mode.			~			
You can see detailed information about the played file.	\checkmark	\checkmark	\checkmark			

Using the Setup Menu

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

Sor more information on DivX® VOD, visit "http://vod.divx. ■ Information: Select to view information about the connected

Other Information Installing the Wall Mount Kit

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

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

Wall Mount Kit Specifications (VESA)

Solution 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 may fall and result in severe personal injury.

Storage and Maintenance

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

🗞 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.





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.

SRS TheaterSound™ provides the most immersive

surround sound experience from the TV's built-in

speakers, while maintaining steady volume and

delivering rich bass and clear dialog.

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electric shock.

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

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Kensington Lock

The Kensington Lock is not supplied by Samsung. It is a device used to physically fix the system when using it in a public place. Refer to the manual provided with the Kensington Lock for additional information on proper use

 \circledast Please find a " \eth " icon on the rear of the TV. The Kensington slot is beside the "R" icon.

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



Display Modes (HDMI/DVI Input)

Optimal resolution is 1920 x 1080@60H Mode Resolution

Troubleshooting

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.				
	• Energy saving : Menu \rightarrow Setup \rightarrow Eco Solution \rightarrow Energy Saving \rightarrow Select Settings				
	\bullet Eco Sensor : Menu \rightarrow Setup \rightarrow Eco Solution \rightarrow Eco Sensor \rightarrow Select Settings				
Component Connections / Screen Color	If you find that the color on your Samsung television's screen is not correct or black and white, first run a Self Diagnosis Test on the TV to make sure there are no device issues. ● Self Diagnosis : User Menu → Support → Self Diagnosis → Picture Test				
	• If the test is ok, try making sure ;				
	Your connections are all consistent. For example, if you've used the AV In jack on your TV, make sure you have used the AV Out jack on your video source.				
	 Try making sure you have connected to the correct jacks. For example, if you use the Component jacks, labeled Pb, Pr, and Y, to connect your TV and video source, make sure you have connected the blue Pb jack on the video source to the blue Pb jack on the TV, the red Pr jack on the source to the red Pr jack on the TV. 				
Screen Brightness	If you find that the colors on your Samsung TV are correct but just a little too dark or bright, there are some settings you should check before calling for a repair.				
	 Backlight, Contrast, Brightness, Sharpness, Color, Tint and so on. Go to "Picture" in the Menu, and then try adjusting these options. 				
Unwanted Powering off	If your Samsung TV appears to turn off by itself, there may be an issue with either your Timer settings or your Eco friendly No Signal Power Off feature.				
	First make sure the Sleep Timer is not accidentally set. The Sleep Timer lets you fall asleep with the TV still on knowing that it will turn off after a certain period of time and not waste energy.				
	• Sleep Timer : User Menu \rightarrow Setup \rightarrow Time \rightarrow Sleep Timer				
	If the Sleep Timer is not activated, you may have engaged the No Signal Power Off or Auto Power Off feature.				
	 No Signal Power Off : User Menu → Setup → Eco Solution → No Signal Power 				
	• Auto Power Off : User Menu \rightarrow Setup \rightarrow Eco Solution \rightarrow Auto Power Off				

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Specific	ations							
Environmental Considerations Operating Temperature Operating Humidity Storage Temperature Storage Humidity		50°F to 104°F (10°C to 40°C) 10% to 80%, non-condensing -4°F to 113°F (-20°C to 45°C) 5% to 95%, non-condensing						
Model Name	UN40EH6000 UN40EH6050	UN46EH6000 UN46EH6050	UN50EH6000 UN50EH6050	UN55EH6000 UN55EH6050	UN60EH6000 UN60EH6050	UN65EH6000 UN65EH6050		
Display Resolution			1920 :	k 1080				
Screen Size (Diagonal)	40" Class (40.0" measured diagonally)	46" Class (45.9" measured diagonally)	50" Class (49.5" measured diagonally)	55" Class (54.6" measured diagonally)	60" Class (60.0" measured diagonally)	65" Class (64.5" measured diagonally)		
Sound Output			100	/x2				
Dimensions (W x D x H) Body With stand	36.5 X 3.6 X 21.8 inches (927.6 X 93.3 X 555.5 (mm)) 36.5 X 8.9 X 23.8 inches (927.6 X 227.6 X 606.5 (mm))	41.7 X 3.7 X 24.7 inches (1059.8 X 94.3 X 629.4 (mm)) 41.7 X 8.9 X 26.7 inches (1059.8 X 227.6 X 680.3 (mm))	44.7 X 3.7 X 26.5 inches (1137.6 X 94.5 X 673.4 (mm)) 44.7 X 8.9 X 28.5 inches (1137.6 X 227.6 X 725.0 (mm))	49.2 X 3.7 X 28.9 inches (1250.6 X 94.3 X 735.7 (mm)) 49.2 X 8.9 X 31.0 inches (1250.6 X 227.6 X 789.2 (mm))	54.0 X 3.7 X 31.7 inches (1374.1 X 94.3 X 807.0 (mm)) 54.0 X 12.9 X 33.8 inches (1374.1 X 329.8 X 859.0 (mm))	58.4 X 3.8 X 34.4 inches (1484.5 X 96.3 X 873.8 (mm)) 58.4 X 12.9 X 36.4 inches (1484.5 X 329.8 X 926.5 (mm))		
Weight Without Stand With Stand	20.2 lbs (9.2 kg) 24.6 lbs (11.2 kg)	26.4 lbs (12.0 kg) 30.8 lbs (14.0 kg)	34.3 lbs (15.6 kg) 40.1 lbs (18.2 kg)	45.6 lbs (20.7 kg) 51.3 lbs (23.3 kg)	54.6 lbs (24.8 kg) 60.4 lbs (27.4 kg)	62.3 lbs (28.3 kg) 71.6 lbs (32.5 kg)		

Design and specifications are subject to change without prior notice.

S 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 product

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

🗞 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

						(Unit: inches)
Model name	1	2	3	4	5	6
UN40EH6000 / UN40EH6050	9.6	5.8	5.8	24.1	7.8	7.8
UN46EH6000 / UN46EH6050	11.6	5.2	7.3	29.8	15.7	15.7
UN50EH6000 / UN50EH6050	12.5	6.8	8.1	31.3	15.7	15.7
UN55EH6000 / UN55EH6050	15.5	6.1	7.6	36.4	15.7	15.7
UN60EH6000 / UN60EH6050	16.7	8.6	8.8	38.5	15.7	15.7
UN65EH6000 / UN65EH6050	19.0	10.7	9.5	41.8	15.7	15.7

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. © 2012 Samsung Electronics America, Inc