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 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, 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



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. 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 nendations 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

f you have any guestions or comments relating to Samsung products,

please contact the orthodrive customer care conter.					
	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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every day, at the time you selected, starting from that

date. For Everyweek, the TV will turn on every week,

selected, at the time you selected, from that day on. If

you select **Once**, the TV will turn on once, on the date

on the same day of the week as the start date you

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

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

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

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

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

Channel List screen, and then press the ENTER → button.

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

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

functions on the Programmed List screen Tools menu.

Programmed List Screen Tools Menu To

To change the information, follow these steps

channel you have scheduled.

The Tools Menu appears.

name of up to five characters to an analog channel. For example,

view the digital program list. If you highlight a program in

the list, and then press the ENTER (Schedule) button,

If you select Everyday or Every Week, the date you To add channels to the **Added Channels** list, follow these steps: select in the Date field becomes the start date for your 1. Select one or more channels in the All Channels list using the scheduled viewing. For Everyday, the TV will turn on

and time you selected.

Programmed List.

channels are selected.

Only Added Channels can be scheduled.

- ▲/▼ 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 lis
- 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 add channels to the Favorites list, follow these steps

1. Select one or more channels in the All Channels list using the Select All: Select all the channels in the displayed channel list. ▲/▼ 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

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

1. Select one or more channels in the Favorite Channels list using the $\blacktriangle/\blacktriangledown$ 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 ■ 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**.

Date Start Time

01-01-2012

number keypad on your remote.

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

12:01 am

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

3. Select **Time Viewing** in the Tools menu, and then press the 3 Select Change Info, and then press the ENTER → button **ENTER** button. The Time Viewing screen appears. 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 DTV Air 6-1 Once 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 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 (词) in the lower right side of the screen indicates that a Tools menu ■ Color Space (Auto / Native): Auto automatically matches the

Advanced Settings

natural.

look darker.

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) darkness

lim light, the screen dims.

Picture Options

redder (warmer).

Available in Standard mode only.

mode is set to **Dynamic**.

top, and bottom are cut off.

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.

■ Gamma: Adjusts the primary color intensity.

blue) brightness.

Compared to previous models, new Samsung TVs offer a more

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

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

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

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

■ 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

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

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

adjusts the brightness of the screen in response to the

■ 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

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

The Main menu has seven primary categories:

 Sound Application Channel Support

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 TOOLS₁

Select your preferred picture mode

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

■ Dynamic: Brightens the screen. Suitable for a bright room.

■ Standard: Suitable for a normal 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 orightness 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 ight, 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 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 Channels)

Lets you select the channel list displayed when you press the ACHY (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 in the channel banner.

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

Setup Menu

Plug & Play

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

Language

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

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

To set the clock, follow these steps:

1. Select Setup >Time > Clock.

by Input Source are listed below:

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

The TV will automatically download the correct time from a

digital channel. Select Time Zone, and then press the ENTER button.

Use the ▲/▼ buttons to select your **Time Zone**, and then press ENTER ... · Select DST (Daylight Savings Time), and then press ENTER . Select 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 field to field. When done with all the fields, press ENTER

Available only when Clock Mode is set to Manual. ■ Sleep Timer TOOLS 2

Automatically shuts off the TV after a preset period of time. (30, 60, 90, 120, 150 and 180 minutes).

To cancel the Sleep Timer, select Off.

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.

■ 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 \triangle/∇ 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. 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.

Multi-Track Sound (MTS) Picture Size 16:9 Zoom1 ATV, AV, Component (480i, 480p) ■ Mono: Select for channels that are broadcasting in mono or if Zoom2, 4:3 16:9. Wide Fit.

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

When the signal is weak, try all the Digital Noise Filter

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

the black level to adjust the screen depth. Low make blacks look

process film signals from all sources and adjusts the picture for

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

■ LED Motion Plus (Off / On): Removes drag from fast scenes

■ Picture Reset (Reset Picture Mode/Cancel): Resets the

options until the TV displays the best picture.

Available only in HDMI mode (RGB signals).

with a lot of movement to provide a clear picture.

1080i) and HDMI (480i / 1080i).

picture settings to their factory defaults.

■ Standard: Selects the normal sound mode.

■ Movie: Provides the best sound for movies.

■ Clear Voice: Emphasizes voices over other sounds

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

■ Reset: Resets the equalizer to its default settings.

SRS TruSurround HD (On/Off)

Available in Standard sound mode only

a better listening experience for the hearing impaired.

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

Adjustment): Adjusts the loudness of specific bandwidth

SRS TruSurround HD is a patented SRS technology that solves

the problem of playing 5.1 multichannel content through two

sound experience through any two-speaker playback system

Digital-TV broadcasts can transmit many audio tracks

speakers. TruSurround delivers a compelling, virtual surround

including internal television speakers. It is fully compatible with a

simultaneously (for example, simultaneous translations of a program

You can only select a language from among the ones being

If there are no folders on your device, press the

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

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

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 on

he 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

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

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

implemented a rating system that provides parents or quardians

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

reen closes and the Program Rating Lock Menu appears. Every Caption

press either the ENTER (or RETURN button.

want to activate the timer by using the </▶ buttons to highlight

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

Yellow select button to select the Root folder, and

then press the **RETURN** button. The Timer screen

music or photos, and then press the Yellow select button

■ Music: Emphasizes music over voices.

Available in Standard sound mode only.

the **Digital Noise Filter** feature to reduce any static and ghosting

Input Source

darker.

optimum quality.

Picture Reset

Mode TOOLS₁

Equalizer

frequencies.

multichannel formats.

Digital channels only

into foreign languages).

broadcast.

Preferred Language

to select the folder

☐ Other Features

Component mode.

children are watching.

Anglophone Canadian ratings.

nch Canadian ratings.

be used while watching DTV channels.

How It Works

Program Rating Lock

Sound Menu

that may appear on the screen.

DTV (1080i, 1080p), Component (1080i 1080p), HDMI (720p, 1080i, 1080p) 4:3, Screen Fit usually a foreign-language translation. ■ Digital Noise Filter (Off / Low / Medium / High / Auto) : If the

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

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

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.

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

■ 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 when done (0ms ~ 250ms).

Speaker Settings

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

When you set Speaker Select to External Speaker, the TV's speakers are turned off. You will hear sound through he 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

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

■ 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

/ L: Adult Language / D: Sexually Suggestive Dialog.

RETURN button on your remote.

Game Mode (On/Off)

(On-Screen Text Dialogue)

HDMI mode.

digital channels.

default is Style 0.

s memorized your new PIN.

option also has kinds of content listed across the top: ALL: Lock all

To lock/block movies or shows with certain ratings and/or kinds of

content, click the square next to the rating and/or under the kind of

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

When you click a low rating, all the ratings above it will also display

locks. You can also Allow All or Lock All. When done, press the

■ Change PIN: The Change PIN screen will appear. Choose any

digits for your PIN and enter them in Enter New PIN fields.

Change PIN screen disappears, press the OK button. The TV

If you forget the PIN, press the remote-control buttons in

When you connect a game console such as a PlayStation™

or Xbox™ to your TV, you can enjoy a more realistic gaming

experience by turning on the Game Mode function.

Precautions and limitations for game mode:

Re-enter the same 4 digits in Confirm New PIN fields. When the

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)

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

After connecting the game console, set Game Mode to On

■ Caption: You can switch the caption function on or off. If

■ Caption Mode: You can select the desired caption mode.

function may or may not work with digital channels.)

depending on the broadcast.

color of the letters. The default is White.

■ Digital Caption Options: (Digital channels only)

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

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

The Caption feature does not work in Component or

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

(Digital channels only) The Digital Captions function works with

Service1~6 may not be available in digital caption mode

Size: Options include Default, Small, Standard and Large. The

Foreground Color: Options include Default, White, Black, Red.

Green, Blue, Yellow, Magenta and Cyan. You can change the

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

/ ratings. / FV: Fantasy violence / V: Violence / S: Sexual situation

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 ystem 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 \blacksquare \rightarrow Channel \rightarrow ENTER \blacksquare on your remote. The

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

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

ENTER . The TV will automatically start memorizing channels.

If your TV is connected to a cable outlet, choose Cable, and then press ENTER . Go to Step 3.

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

automatically select the correct Antenna source. Go to 3. On the Cable Type screen, use the </

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

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

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

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

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

Set so that a melody plays when the TV is turned on or off.

been reduced to minimum with the VOL - button.

the formation of ghost images on the screen.

• When the TV is turned off by **Sleep Timer** function.

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

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

This adjust the brightness of the TV in order to reduce power

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

hours): If the screen remains idle with a still image for a certain

When no sound is output from the TV because the MUTE

select Default and Service1 ~ Service6 in Caption Mode.

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

Background Opacity to its default.

The Melody does not play:

Auto Protection Time

button to turn on the screen.

surrounding light intensity.

Eco Solution

button has been pressed

Melody

background color of the captions. The default is Black.

completed. This process may take up to 20~30 minutes. Press the ENTER button to stop the Clear Scrambled

This function is only available in Cable mode.

■ Managing Channels

Channel List

See your list of Added channels, Favorite channels, or channels vou'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 n 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.

■ Programmed: Shows all channels and programs currently scheduled using **Timer Viewing**.

Remote control buttons active on the Channel List screen

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. 🕶 石 (Tools): Displays the Channel List Tools menu. (The Tools

Icons A selected channel A Favorite channel. Œ A reserved program △ A program currently being broadcast.

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

can use on the **All Channel**, **Added Channels**, and **Favorite** List screens. To view, select a list screen, select a channel, and then press the TOOLS button. ■ Add / Delete: Delete a channel from or add a channel to the Added Channels list.

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

the ▲/▼ buttons and the Yellow Select button on your remote. 2. Press the TOOLS button on your remote. The Tools menu

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

PIN option. Software Upgrade

HD Connection Guide

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

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

☐ Connecting a USB Device

appears.

off, but the sound remains on. Press any button except volum ☐ Using the Media Play Menu ■ Eco Sensor (Off / On) for LED 5000 series : To enhance your

power savings; the picture settings will automatically adapt to the If you adjust the **Backlight**, the **Eco Sensor** will be set to

(become slightly darker in most cases) depending on the

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

■ No Signal Power Off (Off / 15 min. / 30 min. / 60 min.): Sets how quickly the TV switches to standby mode, if no picture is being received.

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

Support Menu

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

Adjust your antenna to increase signal strength

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

follow the directions on the screen. ■ Signal Strength: (Digital channels only) An HD channel's reception quality is either perfect or the channels are unavailable.

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

The PIN input screen appears before the setup screen Enter your 4-digit PIN. Change the PIN using the Change

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

Refer to this information when connecting external devices to the

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

Media Plav

period of time you define, the screen saver is activated to prevent 1. Turn on your TV.

2. Connect a USB device containing photo, music, and/or movie files to the USB jack on the back of the TV. A pop up window 3. Press the MEDIA.P button on your remote. The Media Play

menu appears.



o open Media Play in the Menu, follow these steps

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

2. Press the ▲ or ▼ button to select Media Play (USB), and then press the ENTER button. 3. Press the ◀ or ▶ button to select an icon (Videos, Music.

Photos, Settings), and then press the ENTER button. 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. 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 ders. Devices should be connected directly to the TV's USB port. USB HDD is not supported.

■ **Favorite**: Shows all favorite channels.

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

Display Icons Used in the Channel List Screens

- 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
- . Do not disconnect the USB device while it is loading The higher the resolution of the image, the longer it takes to
- The maximum supported JPEG resolution is 15360 x 8640 pixels If a file is corrupted or the TV does not support the file type, the "Not Supported File Format" message appears.
- The TV cannot play MP3 files with DRM that have been downloaded from a for-pay site. Digital Rights Management (DRM) is a technology that supports the creation, distribution, and management of digital content in an integrated and ehensive way, including protecting the rights and interest 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 ecognized or may malfunctio
- If the TV has no input during the time period set in Auto
- The power-saving mode of some external hard disk drives may be released automatically when your connect them to the TV.

files on the device is corrupted, or a file in the list is not played,

- 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
- 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, and then press the ENTER buttor 2. Press the </bd>
 ✓/►/▲/▼ 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 - If video time information is unknown, playing time and the
- progress bar are not displayed.

Trouble Powering On

Stand Assembly

Poor Picture

Cannot find a channel

The TV image does not look as good as

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

The speakers are making an

The TV turns off automatically.

inappropriate noise

No Picture, No Video

The TV will not turn o

freezes or is distorted or delayed.

Sound Problems

Color is wrong or missing.

- During video playback, you can search using the ◀ and buttons.
- In this mode, you can play movie clips contained in a game, but you cannot play the game itself.

ernai	
Name	File extension
MPEG-4 timed text	.ttxt
SAMI	.smi
SubRip	.srt
SubViewer	.sub
Micro DVD	.sub or .txt
0.100.00.41.1	

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

• Supported Video Formats

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'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 Intallation Guide.

If you have an analog cable/satellite box, upgrade to a digital set top box. Use HDMI or Component cables to deliver HD (high definition) picture quality.

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 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

n AV composite input, connect the video cable (vellow) to the Green lack of Component Input 1

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)

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 T\

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' below

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

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• 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)

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

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

• 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.

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

e making a call to the service department.

Go to MENU - Support - Self Diagnosis - Picture Test

sports and action movies.

		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	1					
		DivX 3.11/4.x/5.1 /6.0	1920x1080	6~30	30Mbps	MP3 / AC3 /					
*.avi *.mkv	AVI, MKV	MPEG4 SP / ASP	1920x1080	6~30	30Mbps	LPCM / ADPCM					
		H264	1920x1080	6~30	30Mbps	/ DTS Core					
		MJPEG	640x480	6~30	10Mbps						
* acf	ASF		t act	* acf	* asf	/ 4.x /5. / 6.0	DivX 3.11 / 4.x /5.1 / 6.0	1920x1080	6~30	30Mbps	MP3 / AC3 / LPCM /
*.wmv		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 *.m2ts	TS	H. 264 BP / MP / HP	1920x1080	6~30	30Mbps	AAC / MP3 / DD+ / HE-AAC					
*.dat	npg peg PS	MPEG1	1920x1080	24/25/30	30Mbps	AC3 /					
*.mpg		PS	npg pe	MPEG2	1920x1080	24/25/30	30Mbps	MPEG /			
*.mpeg *.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					
*.flv	**	H.264	1920x1080	6~30	30Mbps						
*.swf	flash formats	Sorenson H.263	1920x1080	6~30	30Mbps	MP3					

Other Restrictions

- **Photos** Video content will not play, or not play correctly, if there is an error
- bit rate/ frame rate above the compatible Frame/sec listed in the Supported Video Formats table. • If the Index Table erroneous, the Seek (Jump) function is not
- The menu may take longer to appear if the video's bit rate
- exceeds 10Mbps.
- Video content can not be played if there are many contents in
- one file. Video Decoder
- 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

WMA Lossless is not supported.

- 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)

Music



- 1. In the Media Play menu, press the ◀ or ▶ button to select Music, and then press the ENTER buttor
- 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 (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 may cause a sound problem.)

There is no picture/video

RF (Cable/Antenna) Connection

No Caption on digital channels.

The picture is distorted: macroblock

buzzing noise from the TV speakers with Component cable connection.

error, small block, dots, pixelization

The remote control does not work.

The cable/set top box remote control

A "Mode Not Supported" message

There is a plastic smell from the TV.

TV is tilted to the right or left side.

You see small particles when you look

Watch these troubleshooting on video at www.samsung.com/spsn.

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

closely at the edge of the frame of

The Channel menu is arev out

Self Diagnosis Test menu.

TV Signal Strength is unavailable in the

does not turn the TV on or off, or adjust

- 1. 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.
- All files in the file list section will be displayed in the slide show
- During the slide show, files are displayed in order.
- You can move to other files using

 or

 button. Media Play can play Music files automatically during a Slide
- Background Music file has finished loading.

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

- button on your remote
- NOTE
- ${}^{\bullet}$ A ${\checkmark}$ mark appears to the left of the selected files.
- To deselect all selected files, press the TOOLS button, select
- then press the ENTER button.
- Playing a video/music/photo folder

. 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 correctly.

• Some channels may not have caption data

sports and action movies.

the SAMSUNG TV code.

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

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

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 .

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

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 set-

Clean the transmission window located on the top of the remote control

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

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

. Caption must be activated on the external device

This smell is normal and will dissipate in a few days.

Remove the stand base from the TV and reassemble it

· Check the cable connections and reconnect them

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

be a few bright or dark pixels on the screen. These pixels will have no impact on the performance of the product.

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

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

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

Your settings are lost after 30 minutes or | • If TV is in the **Store Demo** mode, it will reset audio and picture settings every 30 minutes. Please change from

🦠 This TFT LED panel uses a panel consisting of sub pixels which require sophisticated technology to produce. However, there may

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

insert the USB memory stick into the TV's USB slot, and then select Support > Software Upgrade in the TV's menu.

 $\rightarrow \text{Support} \rightarrow \text{Downloads}. \text{ To upgrade, download the firmware to your computer, copy the firmware file to a USB memory stick,}$

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• 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.

Run Auto Program to add available channels to the channel list.
 go to MENU - Channel - Auto program then select Auto and make sure the correct Cable TV signal type is set in the menu. There are 3 options. (STD, HRC and IRC)

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

· Black bars on the top and bottom appear when movies that have aspect ratios different from your TV play on the

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

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

Store Demo mode to Home Use mode using the Plug & Play procedure. Press the SOURCE button to select TV mode, go to MENU \rightarrow Setup \rightarrow Plug & Play \rightarrow ENTER \square .

· 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

- ◄/►/▲/▼ buttons to highlight a folder.
- 2. Press the TOOLS button, select Play Folder, and then press the
- ENTER button. Equalizer in the Sound menu. (An over-modulated MP3 file

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

Title You can select another video file to play directly.		~		
Repeat Mode	You can play movie and music files repeatedly.	~	~	
Picture Size	You can adjust the picture size to your preference.	~		
Picture Mode	You can adjust the picture setting.	✓		✓
Sound Mode	You can adjust the sound setting.	✓	~	✓
Subtitle Setting	You can play the video with Subtitles. This function only works if the subtitles have the same file name as the video.	~		
Audio Format	You can select the digital audio output format.	~		
Audio Language	You can change the audio language if the video has more than one language.	~		
Stop Slide Show / Start Slide Show	You can start or stop a Slide Show.			~
Slide Show Speed	You can select the slide show speed during the slide show.			✓
Background Music	You can set and select background music when watching a Slide Show.			~
Zoom	You can zoom into images in full screen mode.			✓
Rotate	You can rotate images in full screen mode.			✓
Information	You can see detailed information about the played file.	~	~	~

Settings

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
- Some For more information on DivX® VOD, visit "http://vod.divx.
- Information: Select to view information about the connected USB device.

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)

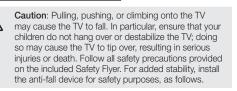
The wall mount kit is not supplied, but sold separately. Install your wall mount on a solid wall perpendicular to the floor. When attaching to other building materials, please contact your nearest dealer. If you install the TV on a ceiling or slanted wall, it may fall and result in severe personal injury.

- . Standard dimensions for wall mount kits are shown in the table
- When purchasing our wall mount kit, a detailed installation nanual and all parts necessary for assembly are provided
- . Do not use screws that do not comply with the VESA standard
- screw specifications.
- Do not use screws that are longer than the standard dimension or do not comply with the VESA standard screw specifications.
- Screws that are too long may cause damage to the inside of the
- For wall mounts that do not comply with the VESA standard
- screw specifications, the length of the screws may differ depending on the wall mount specifications.

- Do not fasten the screws too firmly. This may damage the product or cause the product to fall, leading to personal injury
- Samsung is not liable for these kinds of accidents. Samsung is not liable for product damage or personal injury
- when a non-VESA or non-specified wall mount is used or the consumer fails to follow the product installation instructions. • Do not mount the TV at more than a 15 degree tilt. Always have two people mount the TV on a wall.

Product Family	TV size in inches	VESA screw hole specs (A * B) in millimeters	Standard Screw	Quantity
	19~22	75 X 75	- M4	
LED-TV	26	100 X 100	1014	4
LED-1V	32~40	200 X 200	M6	4
	46~60	400 X 400	M8	
		Do not install yo	our Wall Moun	t Kit while

Securing the TV to the Wall



your TV is turned on. It may result in

ersonal injury due to electric shock.

To prevent the TV from falling

- Since the necessary brackets, screws, and string or cable are not supplied, please purchase these separately.
- . Insert the screws into the wall brackets and firmly fasten them to the wall. Make sure the screws are firmly fixed to the wall. We strongly recommend you drive the screws into a stud.
- 2. Using screws, insert the screws through the TV brackets, and then fasten the screws to the top VESA screw holes on the back of the TV. 3. Connect the brackets on the TV and the brackets on the wall
- tightly to the brackets. 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

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

- Install the TV close to the wall so that it does not fall Connect the string or cable so that the brackets on the wal are at the same height or lower than the brackets on the TV.
- ⑤ To purcase a TV Holder kit, contact Samsung customer care.

Untie the string or cable before moving the TV.

Storage and Maintenance

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



trademarks of SRS Labs, Inc.



rich bass and clear dialog.

professional installer.

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

License

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 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 "\(\overline{\ove

Possible Solution

slot is beside the "R" icon. The position and color may differ depending on the model

Assembling the Wire Holder stand



Display Modes (HDMI/DVI Input)

4000 series:1366 x 768@60Hz / 5000 series: 1920 x 1080@60Hz

	040050						
IBM	640 x 350	31.469	70.086	25.175	+/-	 	│ ✓
	720 x 400	31.469	70.087	28.322	-/+	✓	✓
	640 x 480	35.000	66.667	30.240	-/-	√	✓
MAC	832 x 624	49.726	74.551	57.284	-/-	√	✓
	1152 x 870	68.681	75.062	100.000	-/-		✓
	640 x 480	31.469	59.940	25.175	-/-	√	✓
	640 x 480	37.861	72.809	31.500	-/-	√	✓
	640 x 480	37.500	75.000	31.500	-/-	\checkmark	√
	800 x 600	37.879	60.317	40.000	+/+	√	~
	800 x 600	48.077	72.188	50.000	+/+	√	✓
	800 x 600	46.875	75.000	49.500	+/+	√	✓
VESA DMT	1024 x 768	48.363	60.004	65.000	-/-	√	✓
	1024 x 768	56.476	70.069	75.000	-/-	√	✓
	1024 x 768	60.023	75.029	78.750	+/+	√	✓
	1152 x 864	67.500	75.000	108.000	+/+		✓
	1280 x 720	45.000	60.000	74.250	+/+	✓	~
	1280 x 800	49.702	59.810	83.500	-/+		✓
	1280 x 1024	63.981	60.020	108.000	+/+		✓
	1280 x 1024	79.976	75.025	135.000	+/+		✓
	1366 x 768	47.712	59.790	85.500	+/+	✓	✓
	1440 x 900	55.935	59.887	106.500	-/+		✓
	1600 x 900RB	60.000	60.000	108.000	+/+		✓
	1680 x 1050	65.290	59.954	146.250	-/+		~
	1920 x 1080	67.500	60.000	148.500	+/+		✓
	MAC	720 x 400 640 x 480 640 x 480 832 x 624 1152 x 870 640 x 480 640 x 480 640 x 480 800 x 600 800 x 600 1024 x 768 1024 x 768 1024 x 768 1152 x 870 1152 x 800 1280 x 1024 1280 x 900 1800 x 9000B	720 x 400 31.499 Ado x 480 35.000 MAC 832 x 624 49.726 1152 x 870 68.681 640 x 480 31.469 640 x 480 31.469 640 x 480 37.560 800 x 600 48.075 800 x 600 46.875 1024 x 768 45.363 1024 x 768 60.023 VESA DMT 1152 x 864 67.500 1280 x 800 450 45.000 1280 x 800 450 45.000 1280 x 800 500 55.835 1280 x 1024 79.976 1366 x 768 47.712 1440 x 900 55.835 1600 x 900RB 60.000 1680 x 1050 65.280	720 x 400	720 x 400 31,499 70,087 28,322 404 x 480 35,000 66,667 30,240 404 x 480 35,000 66,667 30,240 4152 x 67,000 74,551 57,284 1152 x 870 68,681 75,062 100,000 640 x 480 31,469 59,940 25,175 640 x 480 37,891 72,899 31,500 800 x 600 40, 480 37,590 75,000 31,500 800 x 600 46,875 75,000 41,500 800 x 600 46,875 75,000 49,500 1024 x 768 48,363 60,004 65,000 1024 x 768 66,700 77,500 78,000 1024 x 768 60,023 75,029 78,750 1024 x 768 60,023 75,029 78,750 1280 x 800 49,702 59,818 83,500 1280 x 1024 x 768 60,023 75,029 83,750 1280 x 800 49,702 59,818 83,500 1280 x 1024 x 768 63,981 60,000 74,250 1280 x 1024 x 768 59,818 106,800 1280 x 1024 x 768 50,000 10,000 74,250 1280 x 1024 x 768 50,000 10,000 74,250 1280 x 1024 x 79,976 75,000 180,000 1280 x 1024 x 79,976 75,025 135,000 1366 x 768 x 47,712 59,379 85,000 1440 x 900 55,935 59,887 106,600 166,000 x 1050 x 10	720 x 400 \$13,498 70.087 28.322 -/+ 640 x 480 35.000 66.667 30.240 -/- 832 x 624 49.726 74.551 57.284 -/- 1152 x 870 68.681 75.062 100.000 -/- 640 x 480 31.469 59.940 25.175 -/- 640 x 480 37.861 72.809 31.500 -/- 640 x 480 37.500 75.000 31.500 -/- 800 x 600 37.590 75.000 31.500 -/- 800 x 600 48.077 72.188 50.000 +/- 800 x 600 46.875 75.000 49.500 +/- 1024 x 768 48.363 60.004 65.000 -/- 1024 x 768 60.023 75.029 78.750 -/- 1024 x 768 60.023 75.029 78.750 +/- 11280 x 800 45.00 60.000 74.250 +/- 1280 x 800 49.702 59.810 83.500 -/- 1280 x 102 45.000 60.000 74.250 +/- 1280 x 102 45.900 60.000 74.250 -/- 1280 x 102 59.990 85.500 -/ 1600 x 900R18 60.000 60.000 108.000 -/ 1600 x 1080 65.990 85.954 146.250 -/	720 x 400 31 x 498 70.087 28.322 -/+ ✓ MAC 480 x 380 35.000 66.667 30.240 -/- ✓ 832 x 624 49.726 74.551 57.284 -/- ✓ 1152 x 870 68.881 75.062 100.000 -/- 640 x 480 31.469 59.940 25.175 -/- ✓ 640 x 480 37.580 172.809 31.500 -/- ✓ 640 x 480 37.580 175.000 31.500 -/- ✓ 800 x 600 48.077 72.188 50.000 +/- ✓ 800 x 600 46.075 72.188 50.000 +/- ✓ 800 x 600 46.875 75.000 49.500 +/- ✓ 1024 x 768 60.023 75.029 78.750 -/- ✓ 1024 x 768 60.023 75.029 78.750 +/- ✓ 1280 x 102 45.000 60.000 74.250 +/- ✓ 1280 x 102 45.000 60.000 74.250 +/- ✓ 1280 x 102 46.981 60.020 180.000 +/- 1280 x 102 46.981 60.020 180.000 +/- 1280 x 102 47.712 59.790 85.500 +/- ✓ 1440 x 900 55.335 59.887 106.500 -/- 1680 x 1050 65.290 59.954 146.250 -/- 1680 x 1050 65.290 59.954 146.250 -/- 1680 x 1050 65.290 59.954 146.250 -/-

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.

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.			
	$\bullet \ \text{Energy saving} : \text{Menu} \rightarrow \text{Setup} \rightarrow \text{Eco Solution} \rightarrow \text{Energy Saving} \rightarrow \text{Select Settings}$			
	$ \bullet \ Eco \ Sensor : Menu \to Setup \to Eco \ Solution \to Eco \ Sensor \to 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.			
	$\bullet \ \text{Sleep Timer}: \text{User Menu} \rightarrow \text{Setup} \rightarrow \text{Time} \rightarrow \text{Sleep Timer}$			
	If the Sleep Timer is not activated, you may have engaged the No Signal Power Off or Auto Power Off feature.			
	$ \bullet \ \text{No Signal Power Off} : \text{User Menu} \rightarrow \text{Setup} \rightarrow \text{Eco Solution} \rightarrow \text{No Signal Power} $			
	 Auto Power Off: User Menu → Setup → Eco Solution → Auto Power Off 			

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



product may cause a failure, fire, or

TheaterSound, SRS and the @ symbol are

TheaterSound technology is incorporated under

SRS TheaterSound™ provides the most immersive surround sound experience from the TV's built-in speakers, while maintaining steady volume and delivering



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ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

HDMI

Specifications

With Stand

Invironmental Consideration Operating Temperature 50°F to 104°F (10°C to 40°C) 10% to 80%, non-condensing Operating Humidity Storage Temperature -4°F to 113°F (-20°C to 45°C Storage Humidity UN26EH4000 UN32EH4000 UN32EH5000 Model Name 1920 x 1080 Display Resolution 1366 x 768 1366 x 768 Screen Size 32" Class 32" Class 26" Class (31.5" measured diagonally) (31.5" measured diagonally) (26.0" measured diagonally (Diagonal) Output Dimensions (W x D x H) 24.2 X 3.6 X 14.3 inche 29.0 X 3.6 X 17.1 inche 29.0 X 3.6 X 17.5 inches (615.1 X 93.3 X 365.6 (mm) (738.8 X 93.3 X 436.7 (mm) (738.3 X 93.2 X 444.9 (mm 24.2 X 7.1 X 16.5 inches (615.1 X 180.7 X 419.2 (mm 29.0 X 7.5 X 19.4 inches (738.8 X 191.7 X 493.3 (mn 29.0 X 7.5 X 19.6 inches (738.3 X 191.7 X 498.2 (mm)) With stand Without Stand 12.5 lbs (5.7 kg 13.0 lbs (5.9 kg

UN40EH5000 UN46EH5000 Model Name Display Resolution 1920 x 1080 Screen Size 40" Class 46" Class (40.0" measured diagonall (45.9" measured diagonally) (Diagonal) Dimensions (W x D x H) 36.5 X 3.6 X 21.6 inches 41.7 X 3.7 X 24.6 inches (927.6 X 93.0 X 551.0 (mm) 1059.8 X 94.3 X 625.6 (mm) 41.7 X 8.9 X 26.7 inches 059.8 X 227.6 X 680.7 (mn 27.5 lbs (12.5 kg) 31.9 lbs (14.5 kg) 19.8 lbs (9.0 kg) 24.2 lbs (11.0 kg With Stand

13.8 lbs (6.3 kg

14.5 lbs (6.6 kg)

Design and specifications are subject to change without prior notice.

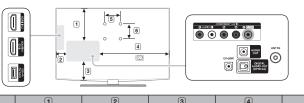
This device is a Class B digital apparatus. 🦠 For information about the power required and more about power consumption, refer to the label attached to the product.

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

10.3 lbs (4.7 kg)

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



UN32EH4000 / UN32EH4050 18.9 7.8 UN32FH5000 / UN32FH5050 UN40EH5000 / UN40EH5050 5.8 UN46EH5000 / UN46EH5050

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 - 16 -

- Sound or video may not work if the contents have a standard
 - Supports up to H.264, Level 4.1
 - 2. Press the
 /►/▲/▼ buttons to select a photo in the file list.
 - While a photo list is displayed, press the ► (Play) / ENTER button on the remote control to start a slide sh
 - During the slide show, you can adjust the slide show speed using (◄) (REW) or (►) (FF) button.
 - Show if Background Music is set to On. You cannot change the Mode in Background Music until the
 - Supported Photo Formats

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

Playing Multiple Files ■ Playing selected video/music/photo files

- 1. On the File List screen, highlight a file, and then press the Yellow
- 2. Repeat Step 1 to select multiple files.
- . To cancel a selection, press the Yellow button again
- Deselect All, and then the ENTER & button 3. Press the TOOLS button, select Play Selected Contents, and
- 1. With the folders on your USB device displayed, use the