call toll-free:

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



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

please contact the SAI	MSUNG customer care cer	iter.
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 2	1-800-SAMSUNG(726-7864)	
Web Site	www.samsung.com	

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

any originally specified provisions for, in-home or on-site services,

minimum or maximum repair times, exchanges or replacements,

For the location of a SAMSUNG Authorized Service Center, please

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

Avoid displaying still images (such as jpeg picture files) or still

image elements (such as TV channel logos, TV shows or movies

image quality. To reduce the risk of this effect, please follow the

Avoid displaying the same TV channel for long periods

minimum may speed up the burn-in process.

Picture Options menu to select the optimal screen size.

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

Always try to display any image in full screen mode. Use the TV's

• Reduce brightness and contrast values to the minimum required

to achieve the desired picture quality. Values that exceed the

and screen burn-in. Refer to proper user manual section for

• Frequently use all TV features designed to reduce image retention

accessories, options, upgrades, or consumables.

- In Canada: 1-800-SAMSUNG

mendations below:

Contact SAMSUNG WORLDWIDE

Still image warning

in normal use of the product. Excluded, but not limited to, are

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To add channels to the **Added Channels** list, follow these steps: If you select Everyday or Every Week, the date you 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 ▲/▼ 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 and delete channels from your Favorites list

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 **ENTER** dutton

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

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

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

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

Programmed List Screen Tools Menu To

■ Timer Viewing: You can schedule a channel to be displayed

function to use **Time Viewing** To schedule a channel, follow these steps:

Date Start Time

01-01-2012

number keypad on your remote.

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

channel. You must set the current time first in the Time > Clock

3. Select **Time Viewing** in the Tools menu, and then press the 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.

To change the information, follow these steps

■ 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 symbo (知) in the lower right side of the screen indicates that a Tools menu ■ Color Space (Auto / Native): Auto automatically matches the

The Main menu has seven primary categories:

 Sound Application

Channel

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

Support

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.

Advanced Settings

Available in Standard and Movie mode only. Compared to previous models, new Samsung TVs offer a more precise picture with more precise controls. When your TV is connected to a PC, you can only make

changes to Gamma and White Balance.

Input Source

darker.

optimum quality.

Picture Reset

Equalizer

frequencies.

multichannel formats.

Sound Menu

ATV, AV, Component (480i, 480p)

DTV (1080i, 1080p), Component (1080i

■ Digital Noise Filter (Off / Low / Medium / High / Auto) : If the

When the signal is weak try all the Digital Noise Filter

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

process film signals from all sources and adjusts the picture for

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

■ Auto Motion Plus (Off / Clear / Standard / Smooth / Custom /

frequency of the incoming video signal (60Hz). This displayed frequency is not what the TV is displaying by

The info screen on your TV displays the resolution and

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

options until the TV displays the best picture.

Available only in HDMI mode (RGB signals).

Demo): Enhances motion in fast moving scenes.

using the Auto Motion Plus function.

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

speakers. TruSurround delivers a compelling, virtual surround

ncluding internal television speakers. It is fully compatible with a

sound experience through any two-speaker playback system

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

■ Music: Emphasizes music over voices.

Available in Standard sound mode only.

with a lot of movement to provide a clear picture.

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

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

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

the Digital Noise Filter feature to reduce any static and ghosting

1080p), HDMI (720p, 1080i, 1080p)

that may appear on the screen.

range of colors available to create pictures to the color range of the video source. Native provides a color range wider than the color range of the video source. ■ White Balance: Adjusts the color temperature of the picture so

that white objects look white (instead of, for example, slightly pink or slightly yellow) and the overall color of the picture looks natural

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

blue) brightness.

Reset: Resets the White Balance to it's default settings. ■ Gamma: Adjusts the primary color intensity.

■ Dvnamic Contrast (Off / Low / Medium / High): Adjusts the ■ Black Tone (Off / Dark / Darker / Darkest): Selects the black level to adjust the screen depth. Darker settings make blacks

look darker. ■ Flesh Tone: Adjusts the amount of red in skin tones ■ Motion Lighting (Off / On): When on, the TV automatically adjusts the brightness of the screen in response to the

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

Picture Options

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

changes to the Color Tone, Size and HDMI Black Level. ■ Color Tone (Cool / Standard / Warm1 / Warm2): Cool makes the picture bluer (cooler). Warm 1 and Warm 2 make the picture redder (warmer).

Warm1 and Warm2 are deactivated when the picture mode is set to **Dynamic**.

■ Size: Set the size and aspect ratio of the picture on the screen Your cable box or satellite receiver may have its own set of screen sizes as well. However, we highly recommend you use the TVs 16:9 mode most of the time.

16:9: Sets the picture to the 16:9 wide screen format. Zoom1: Provides moderate magnification of the picture. Sides, top, and bottom are cut off.

Zoom2: Provides larger magnification of the picture. Sides, top, 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 borders on the right and left of the picture. Do not watch your TV in the 4:3 format for a long time.

Traces of borders displayed on the left, right and center of the screen may cause image retention (screen burn) which is not covered by the warranty. Screen Fit: Displays the full image without any cut-off when

vour TV is inputting HDMI (720p / 1080i / 1080p) or Component (1080i / 1080p) HD signals. HD (High Definition) has a 16:9 aspect ratio and 1080i/1080p

(1920x1080) or 720p (1280x720) resolution. You can adjust and store settings for each external device you have connected to an input on the TV. Picture Sizes available

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

 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 he day, and then pressing the ENTER 🗗 button. To unselect a day, highlight it, and then press the ENTER button. When you finished making all your selections on the Timer screen press either the ENTER 🗗 or RETURN button.

☐ Other Features

Program Rating Lock

The **Program Rating Lock** feature lets you block programs 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

Program Rating Lock is not available in HDMI or Component mode.

screen will appear and you must enter a PIN.

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 Caption 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 movies you want to block, select one of the options on the screen and then press the ENTER - 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 Rating: You can block movies based on their MPAA

ratings. The Motion Picture Association of America (MPAA) has implemented a rating system that provides parents or quardians with advanced information on which films are appropriate for

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

nch Canadian ratings.

be used while watching DTV channels.

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 usually a foreign-language translation.

Digital-TV broadcasts can transmit many audio tracks

simultaneously (for example, simultaneous translations of a program

You can only select a language from among the ones being

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

Depending on the program being broadcast, you can listen to ■ Film Mode (Off / Auto) : Sets the TV to automatically sense and Mono, Stereo or SAP.

Auto Volume

Preferred Language

into foreign languages).

Multi-Track Sound (MTS)

broadcast.

Picture Size

16:9, Zoom1, Zoom2,

16:9, Wide Fit, 4:3,

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

■ 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

■ 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 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.

■ Memorizing Channels

Channel Menu

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 system 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

 On the Cable Type screen, use the ◄/►/▲/▼ buttons to select the type of digital and analog cable systems you have: STD. HR 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

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

Channel List

■ Managing Channels

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 the All Channels, Added Channels, or Favorite screen, pressing the ▲ / ▼ buttons, and then pressing the ENTER 🗗 button.

■ Zoom ■ Select 🖈 Tools ➤ Next Program

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

those you deleted from the Added Channels

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

■ **Favorite**: Shows all favorite channels. ■ Programmed: Shows all channels and programs currently

scheduled using **Timer Viewing**. Remote control buttons active on the Channel List screen

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

Display Icons Used in the Channel List Screens

☐ The Channel List Tools Menu TOOLS ☐

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.

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

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

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

Software Upgrade

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

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

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

□ Connecting a USB Device

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

☐ Using the Media Play Menu



To open Media Play in the Menu, follow these steps:

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

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

multimedia files.

Need-to-Know List before using Media Play (USB) • The file system supports FAT16, FAT32 and NTFS.

devices. MSC is a Mass Storage Class Bulk-Only Transport device. Examples of MSC are Thumb drives and Flash Card port. USB HDD is not supported.

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.

Programmed List. When you select a digital channel, press the ▶ button to view the digital program list. If you highlight a program in the list, and then press the ENTER (Schedule) button,

■ Deselect All: Deselect all the selected displayed channels. You can only select **Deselect All** when one or more channels are selected. ■ Channel Name Edit: Analog channels only. Lets you assign a

you set Timer Viewing for that program directly.

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

functions on the **Programmed** List screen Tools menu.

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

Change Info: Change the scheduling information for a show or channel you have scheduled.

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. 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.

Language

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

clock again.

■ 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.

Select Information, and then press the ENTER → button

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

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

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

Lets you select the channel list displayed when you press the **ACH→** (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.

Channels)

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.

then select Reset on the Fine Tune screen.

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

Setup Menu

Plug & Play

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

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

To set the clock, follow these steps:

press ENTER ...

by Input Source are listed below:

1. Select Setup >Time > Clock. 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.

· Select DST (Daylight Savings Time), and then pres 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.

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

ST and Time Zone function are only available when the Clock Mode is set to Auto. If you selected Manual: The Clock Set screen appears. Use the ▲/▼ buttons to change the values in each field or use the number buttons to

enter the values directly. Use the **◄/▶** buttons to move from field to field. When done with all the fields, press ENTER

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

To cancel the Sleep Timer, select Off.

Timer 1 / Timer 2 / Timer 3

Available only when Clock Mode is set to Manual.

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:

or the field under Photo, and then press the ENTER

and the type or name of the device.

button. The TV displays a single folder (the Root folder)

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

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

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

To lock/block movies or shows with certain ratings and/or kinds of content, click the square next to the rating and/or under the kind of content. A lock appears. To unlock/unblock, click the square again When you click a low rating, all the ratings above it will also display locks. You can also Allow All or Lock All. When done, press the RETURN button on your remote. ■ Change PIN: The Change PIN screen will appear. Choose any

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 s 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)

(On-Screen Text Dialogue)

Game Mode (On/Off) 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 ${\bf Game\ Mode}$ 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 $\ensuremath{\,^{ imes}}$ Game Mode is not available when the input source is set to

After connecting the game console, set Game Mode to On

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

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

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

mode or when a signal is supplied from an external device to the

TV. (Depending on the broadcasting signal, the Analog Caption

Service1~6 may not be available in digital caption mode

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.

depending on the broadcast.

color of the letters. The default is White.

■ Digital Caption Options: (Digital channels only)

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

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

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

Background Opacity: This adjusts the opacity of the caption

Digital Caption Options are available only when you can

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

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

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

select Default and Service1 ~ Service6 in Caption Mode.

The Foreground and Background cannot be set to the Melody

The **Melody** does not play: When no sound is output from the TV because the MUTE

Auto Protection Time ■ Auto Protection Time (Off / 10 min / 20 min / 40 min / 1 hour): If the screen remains idle with a still image for a certain period of time you define, the screen saver is activated to prevent the

formation of ghost images on the screen.

brightness can be adjusted manually

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

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

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

If Eco Sensor is On, the display brightness may change

(become slightly darker in most cases) depending on the

surrounding light intensity. ■ 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.

■ Auto Power Off (Off / On): The TV will be automatically turned off when no user operation is received for 4 hours. Support Menu

Disabled when the PC is in power saving mode

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

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

reception quality is either perfect or the channels are unavailable.

■ 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

Adjust your antenna to increase signal strength

on the screen.

■ 🖏 All Channels: Shows all currently available channels including

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

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

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

mware from samsung.com to a USB memory device

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

USB Mass Storage Class (MSC) device.

2. Connect a USB device containing photo, music, and/or movie les to the USB jack on the back of the TV. A pop up window



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

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

Readers. Devices should be connected directly to the TV's USB

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

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

II	Icons	Meaning
	✓	A selected channel.
	•	A Favorite channel.
C,	<u> </u>	A reserved program.
		A program oursently being breedent

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

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

Software Upgrade can be performed by downloading the latest

Media Play

1. Turn on your TV.



Media Play only supports USB Mass Storage Class (MSC)

Download from Www.Somanuals.com. All Manuals Search And Download

- 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 interes 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 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.



- In the Media Play menu, press the

 or

 button to select Videos, and then press the ENTER button 2. Press the
 /►/▲/▼ buttons to select a video in the file list
- 3. Press the ENTER button or (Play) button
- The file name is displayed on the top of the screen with the
- If video time information is unknown, playing time and the progress bar are not displayed.
- During video playback, you can search using the ◀ and

Trouble Powering On

Stand Assembly

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

freezes or is distorted or delayed.

Sound Problems

Color is wrong or missing.

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

External

- SubRip SubViewe Micro DVD .sub or .txt SubStation Alpha

	-	Internal		
sts		Name	Container	Format
ıd		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

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.

		DivX 3.11/4.x/5.1 /6.0	1920x1080	6~30	30Mbps	MP3 /		
	*.mp4	MP4	H264	1920x1080	6~30	30Mbps	ADPCM / AAC	
			AVC	1920x1080	6~30	30Mbps		
			MJPEG	640x480	6~30	10Mbps]	
			DivX 3.11/4.x/5.1 /6.0	1920x1080	6~30	30Mbps	MP3 / AC3 /	
	*.avi *.mkv	AVI, MKV	MPEG4 SP / ASP	1920x1080	6~30	30Mbps	LPCM / ADPCM / DTS	
			H264	1920x1080	6~30	30Mbps	Core	
			MJPEG	640x480	6~30	10Mbps		
			DivX 3.11 / 4.x /5.1 / 6.0	1920x1080	6~30	30Mbps	MP3 / AC3 / LPCM / ADPCM / WMA / WMA	
*.asf *.wmv		ASF	MPEG4 SP / ASP	1920x1080	6~30	30Mbps		
			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		MPEG1	1920x1080	24/25/30	30Mbps	AC3 /	
	*.mpg *.mpeg *.vob	*.mpg	PS	MPEG2	1920x1080	24/25/30	30Mbps	MPEG /
			H. 264 BP / MP / HP	1920x1080 6~30	6~30	30Mbps	LPCM / AAC	
	*.3gp	3GPP	MPEG4 SP / ASP	1920x1080	6~30	30Mbps	MP3	
	-		H.264	1920x1080	6~30	30Mbps		
	*.flv	flash	H.264	1920×1080	6~30	30Mbps	-1	
	*.swf		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 in the content or the contained Sound or video may not work if the contents have a standard
- bit rate/ frame rate above the compatible Frame/sec listed in the Supported Video Formats table. • If the Index Table erroneous, the Seek (Jump) function is not
- 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
- 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

WMA Lossless is not supported.

- Above 1280 x 720: 30 frame max H.263 is not supported.

Video Decoder

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 button
- 2. Press the </▶/▲/▼ buttons to select the desired Music in the
- 3. Press the ENTER → button or ► (Play) button. During music playback, you can search using the ◀ and
- (REW) and (FF) buttons do not function during

are saved on the same USB device.

There is no picture/video

The Channel menu is grey out

closely at the edge of the frame of

- Media Play only displays files with MP3 and PCM file extension. Other file extensions are not displayed, even if they
- 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.)



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

 or

 button. Media Play can play Music files automatically during a Slide Show if Background Music is set to On.
- You cannot change the Mode in Background Music until the Background Music file has finished loading.
- Supported Photo Formats

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

· CMYK, YCCK Color space JPEG are not supported

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

- 1. On the File List screen, highlight a file, and then press the Yellow
- button on your remote 2. Repeat Step 1 to select multiple files.
- NOTE
- A

 mark appears to the left of the selected files. . To cancel a selection, press the Yellow button again
- To deselect all selected files, press the TOOLS button, select Deselect All, and then the ENTER & button
- 3. Press the TOOLS button, select Play Selected Contents, and then press the ENTER button.
- Plaving a video/music/photo folder
- 1. With the folders on your USB device displayed, use the
- ◄/►/▲/▼ buttons to highlight a folder. 2. Press the TOOLS button, select Play Folder, and then press the

ENTER button.

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

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

Verify the antenna is positioned correctly.

No Caption on digital channels.	Check the Caption Setup menu. Try changing Caption Mode Service 1 to CC1. Some channels may not have caption data.
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 ir sports and action movies. A weak signal can cause picture distortion. This is not a TV problem.
Others	
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-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 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 $\bullet\,$ Try pointing the remote directly at the TV from 5~6 feet away.

Program the Cable/Set top box remote control to operate the TV. Refer to the Cable/Set top box user manual for does not turn the TV on or off, or adjust the SAMSUNG TV code.

A "Mode Not Supported" message Check the supported resolution of the TV and adjust the external device's output resolution accordingly. Refer to

. Caption must be activated on the external device

There is a plastic smell from the TV. This smell is normal and will dissipate in a few days. TV Signal Strength is unavailable in the • This function is only available for digital channels received through an Antenna / RF/Coax connection Self Diagnosis Test menu. TV is tilted to the right or left side. Remove the stand base from the TV and reassemble it

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

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

POP (TV's internal banner ad) appears • Select Home Use under Plug & Play mode. For details, refer to Plug & Play (Initial Setup). vithout prior written authorization of the copyright holder

🦠 This TFT LED panel uses a panel consisting of sub pixels which require sophisticated technology to produce. However, there may be a few bright or dark pixels on the screen. These pixels will have no impact on the performance of the product.

Some functions and pictures shown in this manual are available on specific models only. Typical power consumption is measured according to Energy Star Program requirements for Televisions.

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

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

→ Support → Downloads). To upgrade, download the firmware to your computer, copy the firmware file to a USB memory stick, insert the USB memory stick into the TV's USB slot, and then select Support > Software Upgrade in the TV's menu. - 14-

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

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

Category Operation Videos Music Photos

Using the Setup Menu

Settings

- 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.
- 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 the wall.

For detailed information about installing the wall mount, see the instructions provided with the wall mount items. Contact a technician for assistance when installing the wall mount bracket Samsung Electronics is not responsible for any damage to the product or injury to yourself or others if you elect to install the wall mount on your own.

Wall Mount Kit Specifications (VESA) The wall mount kit is not supplied, but sold separately.

Install your wall mount on a solid wall perpendicular to the floor. 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.

LED-T\

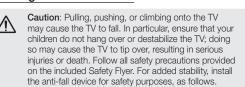
Securing the TV to the Wall

19~22

26

32~40

46~60



When purchasing our wall mount kit, a detailed installation

screw specifications.

nanual and all parts necessary for assembly are provided

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

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

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 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

M6

Do not install your Wall Mount Kit while

personal injury due to electric shock.

your TV is turned on. It may result in

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

depending on the wall mount specifications.

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

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

To prevent the TV from falling

tightly to the brackets.

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

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

the connections for any sign of fatigue or failure. If you have any doubt about the security of your connections, contact a professional installer. Install the TV close to the wall so that it does not fall

Verify all connections are properly secured. Periodically check

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. Untie the string or cable before moving the TV.

SRS TheaterSound™ provides the most immersive

speakers, while maintaining steady volume and delivering

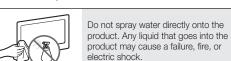
surround sound experience from the TV's built-in

⑤ To purcase a TV Holder kit, contact Samsung customer care.

Storage and Maintenance

a soft cloth to prevent scratches.

- 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



trademarks of SRS Labs, Inc.

TheaterSound, SRS and the @ symbol are

heaterSound technology is incorporated under



rich bass and clear dialog.

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



SISO

License

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

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HDMI

Kensington Lock

. Standard dimensions for wall mount kits are shown in the table The Kensington Lock is not supplied by Samsung. It is a device 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.

Possible Solution

Please find a "@" icon on the rear of the TV. The Kensington

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



Display Modes (HDMI/DVI Input) Optimal resolution is 1920 x 1080@60Hz

IDM 4	040 X 000	01.400	10.000	20.170	17
IBM	720 x 400	31.469	70.087	28.322	-/+
	640 x 480	35.000	66.667	30.240	-/-
MAC	832 x 624	49.726	74.551	57.284	-/-
	1152 x 870	68.681	75.062	100.000	-/-
	640 x 480	31.469	59.940	25.175	-/-
	640 x 480	37.861	72.809	31.500	-/-
	640 x 480	37.500	75.000	31.500	-/-
	800 x 600	37.879	60.317	40.000	+/+
	800 x 600	48.077	72.188	50.000	+/+
	800 x 600	46.875	75.000	49.500	+/+
	1024 x 768	48.363	60.004	65.000	-/-
	1024 x 768	56.476	70.069	75.000	-/-
	1024 x 768	60.023	75.029	78.750	+/+
VESA DMT	1152 x 864	67.500	75.000	108.000	+/+
	1280 x 720	45.000	60.000	74.250	+/+
	1280 x 800	49.702	59.810	83.500	-/+
	1280 x 1024	63.981	60.020	108.000	+/+
	1280 x 1024	79.976	75.025	135.000	+/+
	1366 x 768	47.712	59.790	85.500	+/+
	1440 x 900	55,935	59.887	106.500	-/+

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

Specifications

Considerations 50°F to 104°F (10°C to 40°C) Operating Temperature 10% to 80%, non-condensing -4°F to 113°F (-20°C to 45°C 5% to 95%, non-condensing Storage Humidity UN40EH6000 UN46EH6000 UN55EH6000 Model Name UN40EH6050 UN55FH6050 Display Resolution Screen Size 55" Class (40.0" measured diagonally (45.9" measured diagonally) (54.6" measured diagonally (60.0" measured diagonally (Diagonal)

Output Dimensions (W x D x H) 41 7 X 3.7 X 24.7 inches 38 2 X 3 6 X 21,8 inches 49.2 X 3.7 X 28.9 inches 54 0 X 3 7 X 31 7 inches (927.6 X 93.3 X 555.5 (mm)) 1059.8 X 94.3 X 629.4 (mm)) (1250.6 X 94.3 X 735.7 (mm)) 374.1 X 94.3 X 807.0 (mm) 41.7 X 8.9 X 26.7 inches 49.2 X 8.9 X 31.0 inches 54.0 X 12.9 X 33.8 inches 38.2 X 8.9 X 23.8 inches 374.1 X 329.8 X 859.0 (mm) 927.6 X 227.6 X 606.5 (mm (1059.8 X 227.6 X 680.3 (mm) (1250.6 X 227.6 X 789.2 (mm)

26.4 lbs (12.0 kg)

30.8 lbs (14.0 kg)

45.6 lbs (20.7 kg)

51.3 lbs (23.3 kg)

UN60EH6000

UN60EH6050

54.6 lbs (24.8 kg)

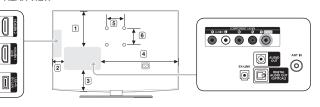
60.4 lbs (27.4 kg)

(Unit: inches)

This device is a Class B digital apparatus. Nor information about power supply, and more about power consumption, refer to the label attached to the

Typical power consumption is measured according to Energy Star Program requirements for Televisions. Dispose unwanted electronics through an approved recycler. To find the nearest recycling location, go to our

■ JACK PANEL DETAIL / REAR VIEW



Model name UN40EH6000 / UN40EH6050 UN46FH6000 / UN46FH6050 11.6 29.8 15.7 15.5 36.4 15.7 15.7 UN55EH6000 / UN55EH6050 16.7 8.6 38.5 15.7 15.7 UN60EH6000 / UN60EH6050 8.8

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

Operating Humidity Storage Temperature

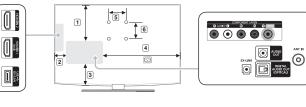
Without Stand

With Stand

24.6 lbs (11.2 kg) Design and specifications are subject to change without prior notice

20.2 lbs (9.2 kg)

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



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

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