4000 4050 5000 5050

Figures and illustrations in this User Manual are provided for reference only and may differ from actual product appearance. Product design and pecifications may be changed without notice

### Important Warranty Information Regarding Television Format Viewing

See the warranty card for more information on warranty terms. Wide screen format LED Displays with aspect ratios of 16:9 (the ratio of the screen width to screen height) are primarily designed to display 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 creen if your model offers this feature and the images are constantly moving. Displaying stationary graphics and images on screen, such as the dark sidebars on non-expanded standard format television video and programming, should be limited to no more than 5% of the total television viewing per week. Additionally, viewing other stationary images and text such as stock market crawls, video game displays, station ogos, web sites or computer graphics and patterns, should be limited as described above for all televisions. Displaying stationary images tha 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 nitations 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 nited States, for the warranty period originally specified, and to the Original Purchaser only.

he above described warranty repairs must be performed by a SAMSUNG Authorized Service Center. Along with this Statement and SAMOUNG AUTIONIZED SPICE CENTER. AND IN WITH THIS STRETHEN HE IN the Original Limited Warranty Statement, a dated Bill of Sale as Proof of Purchase must be presented to the Service Center. Transportation 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. Exclusions include but are not limited to, any originally specified product. Exclusions include, but are not limited to, any originally specific provisions for in-home or on-site services, minimum or maximum repair times, exchanges or replacements, accessories, options, upgrades, or For the location of a SAMSUNG Authorized Service Center, please call

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



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

buttons and the Yellow (**Select**) button on your remote.

The Add menu option only appears for deleted channels

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

■ Add to Favorite /Delete from Favorite TOOLS: Lets you add

Select one or more channels in the All Channels list using the ▲/▼ buttons and the Yellow (Select) button on your remote.

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

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

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

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

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

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

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

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

3. Select Add to Favorite in the Tools menu, and then press the

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

channels to and delete channels from your Favorites list.

ne Added Channels list.

function to use Time Viewing.

To schedule a channel, follow these steps

and the Yellow (Select) button on your remote

DTV Air 6-1 Once

UF4000\_5000\_ZA\_BN68-04801A-ENG\_ENG-US.indd 1

4. Use the 
√> buttons to move from entry field to entry field and the

you can also enter numbers directly using the number keypad on

ENTER button

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

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 are shown on the All Channels list. You add

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 panorame or 4:3 format, stock or news scroll bars, etc.) on the screen. The constant display of still pictures can cause ghosting or image burn-in (image retention) on the LED screen, which will affect image quality. To reduce the risk of this effect, please follow the recommendations below • Avoid displaying the same TV channel for long periods.

- Always try to display any image in full screen mode. Use the TV's Picture Options menu to select the optimal screen size. • Reduce brightness and contrast values to the minimum required to achieve the desired picture quality. Values that exceed the minimum may speed up the burn-in process.
- Frequently use all TV features designed to reduce image retention and screen burn-in. Refer to proper user manual section for details.

Contact SAMSUNG WORLDWIDE

contact the SAMSUNG customer care center.						
Country	CANADA	U.S.A				
Address	Samsung Electronics Canada Inc., Customer Service 55 Standish Court Mississauga Ontario L5R 4B2 Canada	Samsung Electronics America, Inc. 85 Challenger Road Ridgefield Park, NJ 07660				
Customer Care Center 🕿	1-800-SAMSUNG (726-786	4)				
Web Site	www.samsung.com/ca (English) www.samsung.com/ca_fr (French)	www.samsung.com				

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If you select **Everyday** or **Every Week**, the date you select in the Date field becomes the start date for your scheduled viewing. For Everyday, the TV will turn on every day, at the time yo 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 elect **Once**, the TV will turn on once, on the date and time you

hannels back to the Added Channels list on the All Channels list. A gray-colored channel indicates the channel has been deleted from 5 Press the ENTER button on your remote when done.

Only **Added Channels** can be scheduled. Scheduled programs and channels are displayed in the

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

that program directly ■ Channel Name Edit: Analog channels only. Lets you assign a name

of up to five characters to an analog channel. For example, Hist, Food, Golf, etc. This makes it easier to find and select a channel.

■ Deselect All: Deselect all the selected displayed channels. You can only select **Deselect All** when one or more channels are 

■ Select All: Select all the channels in the displayed channel list.

■ Auto Program: See Auto Program under Memorizing Channels.

Programmed List (on the Channel List Screen)

The Programmed list displays the channels and programs you have scheduled for viewing using the **Time Viewing** function. You can view modify, or delete a show you have scheduled using the functions on the Programmed List screen Tools menu.

Select a channel in the Added Channels list using the ▲/▼ buttons

**Programmed List Screen Tools Menu** 

P Channel List → Programmed → TOOLS

■ Change Info: Change the scheduling information for a show or

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

3. Select Change Info. and then press the ENTER button. The

4. Use the **◄/▶** buttons to move from entry field to entry field and the A/▼ buttons to change the entries. Where numbers are displayed, you can also enter numbers directly using the number keypad on

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.

he Cancel Schedule screen appears 4. Select OK, and then press the ENTER button

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 (月) in the lower right side of the screen indicates that a Tools menu is available. The Main menu has seven primary categories:

 Sound
 Channel Input Application
 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 1) next to an option name

indicates the option is also available in one of the Tools menus. Picture Menu

### Mode Tools, □

Select your preferred picture mode 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 room brightness

■ Movie: Darkens the screen, making it less glary. Suitable for watching ■ Entertain: Sharpens the picture. Suitable for games

Only available when the TV is connected to a PC. Samsung MagicAngle (for 19", 22" models)

Adjust screen viewing Angle to optimize screen quality according to your

■ Samsung MagicAngle: When viewing the screen at an angle from can obtain a similar picture quality as viewing the screen directly from

**Off**: Select when viewing from the front position. Lean Back Mode: Select when viewing from a slightly lower position.

Standing Mode: Select when viewing from the upper position. ■ Mode: Adjust screen viewing angle.

When Samsung MagicAngle is set to Lean Back Mode or Standing Mode, Gamma is not available. Backlight / Contrast / Brightness / Sharpness / Color / Tint (G/R)

becomes black, white, and gray.

■ Backlight: Adjusts the brightness of the screen by adjusting the brightness of the individual pixels.

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

■ 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

■ Information: Display the information for a show or channel you have

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

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

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

4. Select Change Info and press the ENTER button to change

information, or select Close and press the ENTER button to

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

Lets you select the channel list displayed when you press the ACHV

(Channel) button on your remote. For example, if you select Favorite

f the reception is clear, you do not have to fine tune the channel, as

Fine tuned channels that have been saved are marked with an

asterisk "\*" on the right-hand side of the channel number in the

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

signal is weak or distorted, fine tune the channel manually.

Select the channel and then select Fine Tune

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

Choose between English, Español, and Français.

The time you set will appear when you press the INFO button.

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

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

select Reset on the Fine Tune screen

this is done automatically during the search and store operation. If the

Channels, you will only see Favorite channels when you press the

ou want information for, and then press the TOOLS button. The

scheduled. You can also change the schedule Information

**List** screen, and then press the ENTER button.

☐ Other Channel Menu Functions

Tools Menu appears.

**Channel Mode** 

Analog channels only.

Fine Tune

Plug & Play

Language

Set the menu language

□ Setting the Time

Timer Viewing Info screen appears.

close the Information screen.

When the TV is connected to a PC, you can only make changes to Backlight, Contrast, Brightness, and Sharpness.

**Advanced Settings** 

■ Tint: Adjusts the amount of green and red in the picture. As you

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. ■ Dynamic Contrast: Adjusts the screen contrast

■ Black Tone: 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

■ Color Space: Auto automatically matches the range of colors (the variety and number of colors) available to create pictures with the color range of the video source. Native provides a color range wider han the color range of the video source. ■ White Balance: Adjusts the color temperature of the picture so that

slightly yellow) and the overall color of the picture looks natural. R-Offset / G-Offset / B-Offset: Adjusts how dark each color (red, green, blue) is.

R-Gain / G-Gain / B-Gain: Adjusts how bright each color (red, green,

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

■ Motion Lighting: When on, the TV automatically adjusts the brightness of the screen in response to the brightness of the room. In bright light, the screen brightens. In dim light, the screen dims. Available in Standard mode only.

Picture Options

When the TV is connected to a PC, you can only make changes to the Color Tone, Size, and HDMI Black Level

■ Color Tone: Cool makes the picture bluer (cooler). Warm 1 and Warm make the picture redder (warmer) Warm1 and Warm2 are deactivated when the picture mode is set.

■ Size: Set the size and aspect ratio of the picture on the screen. Your

as well. However, we highly recommend you use the TVs 16:9 mode most of the time. 16:9: Sets the picture to the 16:9 wide screen format.

Zoom1: Provides moderate magnification of the picture. Sides, top, and bottom are cut off. Zoom2: Provides larger magnification of the picture. Sides, top, and bottom are cut off.

Wide Fit: Enlarges the aspect ratio of the picture so the picture fits 4:3: Sets the picture to the old, 4:3 format and puts black or gray porders 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 Screen Fit: Displays the full image without any cut-off when your TV is inputting HDMI (720p / 1080i / 1080p) or Component (1080i / 1080p)

HD (High Definition) has a 16:9 aspect ratio and 1080i/1080p (1920x1080) or 720p (1280x720) resolution

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

The TV will automatically download the correct time from a digital

• Select **Time Zone**, and then press the **ENTER** 🗗 button. Use

Select DST (Davlight Savings Time), and then press ENTER 4.

Select On if you want to turn the DST adjustment on and off manually. Select Off to turn off the DST adjustment. Select Auto it

you want the TV to adjust to **DST** automatically. Press ENTER ☐

ST and Time Zone function are only available when the Clock

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

Automatically shuts off the TV after a preset period of time. (30, 60,

Turns the TV on and off automatically at times and days you select. You

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**.

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 the Contents field, and then press the ENTER ☐ button. The Contents screen appears. Use the ◀/▶ buttons to move from

field to field. Use the ▲/▼ buttons to change the values in each field.
- TV/USB: Select TV or USB. The USB device must be connected

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

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

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

The maximum number of files the TV can display, including sub

The media may not play smoothly if you use a USB device rated lower than USB 2.0.

ose the A/P buttons of move or the field under Muster or the field under Photo, and then press the ENTER A button. The TV displays a single folder (the Root folder) and the type or name of the

olders, in one folder of a USB storage device is 2000.

1. Use the **◄/▶** buttons to move to the field under **Music** or the

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

fields for **On Time** and **Off Time**. Use the **◄/▶** buttons to

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

Available only when Clock Mode is set to Manual.

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

To set the clock, follow these steps

Select Setup >Time > Clock.

If you selected Auto:

If you selected Manual:

■ Sleep Timer TOOLS,

with all the fields, press ENTER 🚭.

90, 120, 150 and 180 minutes).

You must set the clock first.

■ Volume: Set the desired loudness.

to your TV before you can select USB.

To cancel the Sleep Timer, select Off.

can set three different on/off timer settings.

Timer 1 / Timer 2 / Timer 3

🗞 You can adjust and store settings for each external device you have 🏻 🖏 You can only select a language from among the ones being connected to an input on the TV. Picture Sizes available by Input Source are listed below:

Multi-Track Sound Picture Size Analog channels only 16:9, Zoom1, ■ Mono: Select for channels that are broadcasting in mono or if you are ATV. AV. Component (480i, 480p) Zoom2, 4:3 ■ Stereo: Select for channels that are broadcasting in stereo 16:9. Wide Fit. 4:3. DTV (1080i, 1080p), Component (1080i, ■ SAP: Select to listen to the Separate Audio Program, which is usually 1080p), HDMI (720p, 1080i, 1080p) Screen Fit

foreign-language translation ■ Digital Clean View: If the broadcast signal received by your TV is Depending on the program being broadcast, you can listen to **Mono, Stereo** or **SAP**. weak, you can activate the **Digital Clean View** feature to reduce any static and chosting that may annear on the scree

When the signal is weak, try all the Digital Clean View options until the TV displays the best picture ■ MPEG Noise Filter: Reduces MPEG noise to provide improved

■ HDMI Black Level: For HDMI signals, select the black level to adjust

Available only in HDMI mode (RGB signals). ■ Film Mode: Sets the TV to automatically sense and process film signals from all sources and adjusts the picture for optimum quality Available in ATV, DTV (interlace), AV, COMPONENT (480i / 1080i)

and HDMI (480i / 1080i). ■ LED Clear Motion: Removes drag from fast scenes with a lot of novement to provide a clear picture

# Picture Reset

Sound Menu

Resets the picture settings to their factory defaults.

# Mode Tools, □

■ Standard: Selects the normal sound mode.

■ Music: Emphasizes music over voices.

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

### better listening experience for the hearing impaired Equalizer

Available in Standard sound mode only.

■ Balance L/R: Adjusts the balance between the right and left speake ■ 100Hz / 300Hz / 1KHz / 3KHz / 10KHz (Bandwidth Adjustment): Adjusts the loudness of specific bandwidth frequencies

■ Reset: Resets the equalizer to its default settings.

DTS TruSurround

Available in Standard sound mode only. DTS TruSurround is a patented DTS technology that solves the problem of playing 5.1 multichannel content through two speakers. TruSurround delivers a compelling virtual surround sound experience through any two-speaker playback system, including internal television speakers. It is fully compatible with all multichannel formats.

2. Press the ENTER button. A list of folders on the device appears.

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

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

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

When you connect a game console such as a PlayStation™ or Xbox™

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

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

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

The Program Rating Lock feature lets you block programs you've

ratings. To access the **Program Rating Lock** feature and make any

Program Rating Lock is not available in HDMI or Component

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.

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 screen closes and the **Program Rating Lock** Menu appears. Every time you access the **Program Rating Lock** functions, the PIN screen will appear

Rating Lock, and then press ENTER Select On, and then press the ENTER key again. Depending on what type of programs or movies

When the Program Rating Lock screen appears, select Program

you want to block, select one of the options on the screen, and then

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

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

The Motion Picture Association of America (MPAA) has implemente

a rating system that provides parents or guardians with advanced information on which films are appropriate for children.

ess the ENTER button. The options are listed below:

Manual. If you select Manual, you can select the days you want to

activate the timer by using the ◀/▶ buttons to highlight the day, and then pressing the ENTER ☑ button. To unselect a day, highlight it,

If there are no folders on your device, press the Yellow (Select) button to select the Root folder, and then press the RETURN

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

button. The Timer screen re-appears.

and then press the ENTER button.

Precautions and limitations for game mode:

☐ Other Features

on the Game Mode function

Program Rating Lock

**How It Works** 

and you must enter a PIN.

Game Mode

# Preferred Language

Digital channels only. Digital-TV broadcasts can transmit many audio tracks simultaneously (for

example, simultaneous translations of a program into foreign languages

### output when the modulation signal is high or by raising the sound output when the modulation signal is low.

aving difficulty receiving a stereo signal.

SPDIF Output for 32" and above models The SPDIF (Sony Philips Digital InterFace) outputs an uncompressed

volume may fluctuate each time you change the channel. This feature

automatically adjusts the volume of a channel by lowering the sound

Because each station has its own broadcasting conditions, the

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: 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 Select

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 externa 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

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

Adds verbal description to the main audio to help the visually impaired

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

■ Downloadable U.S. Rating: You can use parental restriction

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

You lock or block programs and/or movies in essentially the same way for each option. Each option displays a grid or table. All the tables have

ratings listed on the left. The TV Parental Guidelines option also has kinds of content listed across the top: ALL: Lock all TV ratings. / FV: Fantasy violence / V: Violence / S: Sexual situation / L: Adult Language /

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

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

screen disappears, press the OK button. The TV has memorize

 $\rightarrow$  MUTE  $\rightarrow$  8  $\rightarrow$  2  $\rightarrow$  4  $\rightarrow$  POWER (on)

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

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

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)

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

The Caption feature does not work in Component or HDMI mode.

Default / CC1~CC4 / Text1~Text4: (analog channels only) The Analog Caption function operates in either analog TV channel mode

Depending on the broadcasting signal, the Analog Caption function may or may not work with digital channels.)

Service1~6 may not be available in digital caption mode depending

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

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

Green, Blue, Yellow, Magenta and Cyan. You can change the color of the letters. The default is White.

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

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

channels only) The Digital Captions function works with digital

■ Digital Caption Options: (Digital channels only)

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

ot available, they will not be displayed on the screer

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

**Sound Reset** Resets all sound settings to the factory

Anglophone Canadian ratings.

D: Sexually Suggestive Dialog.

(On-Screen Text Dialogue)

to your TV, you can enjoy a more realistic gaming experience by turning Change PIN: The Change PIN screen will appear. Choose any 4

Caption

information while watching DTV channels

**Locking/Blocking Programs or Movies** 

### Channel Menu

Auto Program

# ■ Memorizing Channels

See your list of Added channels, Favorite channels, or channels you've scheduled for viewing. Add or delete Favorite channels, add or delete If you are not using a cable box or satellite box, when you first set up your TV using **Plug & Play**, the TV memorized the channels that were channels from the Added Channels list, schedule channels or programs for viewing. Select a channel to watch on the All Channels, Added Channels, or Favorite screen by pressing the ▲/▼ buttons, and then 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 procedure.

Antenna (Switch to Cable / Switch to Air TOOLS, 1) Before your television can memorize the available channels, you must select your TV's signal source, **Air** (using an antenna) or **Cable**. Select

receive your TV signal over the air, and you select Cable, you will

If your TV is connected to a cable box or satellite box, you do not

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

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

ENTER 4. The TV will automatically start memorizing channels.

If your TV is connected to a cable outlet, choose Cable, and then

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

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

3. On the Cable Type screen, use 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

Channel memorization can take up to 45 minutes, depending on

Memorized channels are added to the Added Channels list. These

This function filters out scrambled channels after  $\bf Auto\ Program$  is completed. This process may take 20~30 minutes.

Press the ENTER button to stop Clear Scrambled Channel

need to run **Auto Program**. You will use the tuner in the box, not the tuner in the TV, to select channels.

see only snow. You must select Air to see a picture.

To start Auto Program, follow these steps

press ENTER 4. Go to Step 3.

vour cable system.

Clear Scrambled Channel

This function is only available in Cable mode

remote. The Antenna Source screen appea

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 ♥ TV #9 Air ■ Zoom ■ Select ଯ Tools ト Next Pro

■ Managing Channels

essing the ENTER 🚭 button.

Channel List

### The **Auto Program** function memorizes all channels that are available over the air or through your cable system and adds them to the **Channel** Channel List Screens icons are listed on the left side. Select an icon using the ▲/▼ buttons to view each list.

If you use a cable box or satellite box, you cannot use the Channel

■ 🍇 All Channels: Shows all currently available channels including those you deleted from the Added Channels list ■ ♣ Added Channels: Shows all Added Channels. These are the channels that appear when you press the CH button.

1. Push MENUШ → Channel → Auto Program → ENTER → on your ■ Favorite: Shows all favorite channels.

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

Remote control buttons active on the Channel List screen. • Green (Zoom): Enlarges or shrinks a channel number. Yellow (Select): Move the cursor to a channel. Press the Yellow

button to select the channel. A  $\checkmark$  mark appears. Repeat to select additional channels. Then, open the Tools menu and apply a function to the channels you selected. • 🞜 (Tools): Displays the Channel List Tools menu. (The Tools

menus may differ depending on the situation.) • ► (Next Program): Displays next programs.

### Display Icons Used in the Channel List Screens

<b>✓</b>	A selected channel.		
◆ A Favorite channel.			
©	A reserved program.		
Ğ	A program currently being broadcast.		

### are the channels you will see when you use the Channel buttons on The Channel List Tools Menu

M Channel List → TOOLS,

The Channel List Tools menu contains most of the functions you can use on the All Channel, Added Channels, and Favorite List screens view, select a list screen, select a channel, and then press the TOOLS

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

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 remot

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

Background Color: Options include Default, White, Black, Red, 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 Opacity: This adjusts the opacity of the caption ackground. Options include Default, Transparent, Translucent, Solid

Return to Default: This option sets each Size, Font Style, Foregroun Color, Background Color, Foreground Opacity and Background Opacity to its default.

Digital Caption Options are available only when you can select efault and Service1 ~ Service6 in Caption Mode The Foreground and Background cannot be set to the same color.

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

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

has been pressed. When no sound is output from the TV because the volume has been reduced to minimum with the VOL – button. • When the TV is turned off by Sleep Timer function.

# **Eco Solution**

■ Energy Saving: Lets you adjust the brightness of the TV to reduce power consumption. If you select Picture Off, the screen is turned off, but the sound remains on. Press any button except the volume button

Connecting a USB Device ■ Eco Sensor for 5 series: To enhance your power savings, the

Min. Backlight: When Eco Sensor is On, the minimum screen prightness can be adjusted manually If Eco Sensor is On, the display brightness may change (become ☐ Using the Media Plav Menu

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

■ No Signal Power Off: Sets how quickly the TV switches to standby

mode if no picture is being received. Disabled when an attached PC is in power saving mode. ■ Auto Power Off: The TV will automatically turn off when no user

**Auto Protection Time** If a still image remains on the screen for an amount of time you define,

### the screen saver is activated to prevent the formation of ghost images. on the screen.

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 on

■ Sound Test: Use the built-in melody 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. Adjust your antenna to increase signal strength.

■ Reset: Reset all settings to the factory defaults The PIN input screen appears before the setup screer Enter your 4-digit PIN. Change the PIN using the Change PIN

# Software Upgrade

**HD Connection Guide** 

*I*ledia Play

USB Mass Storage Class (MSC) device.



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 appears.

To open Media Play in the Menu, follow these steps: 1. Application on the left, and then press the ENTER 🗗 button.

press the ENTER 🚭 button. 3. Press the ◀ or ▶ button to select an icon (Videos, Music, Photos, Settings) and then press the ENTER & button

 Supported file systems are FAT 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)

Readers. Devices should be connected directly to the TV's USE port. USB HDD is not supported.

Before connecting your device to the TV, please back up your files responsible for any data file 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

display on the screen. If a file is corrupted or the TV does not support the file type, the

 Do not disconnect the LISB device while it is loading. The higher the resolution of the image, the longer it takes to

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

# Refer to this information when connecting external devices to the TV.

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

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

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



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

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

Media Play might not work properly with unlicensed multimedia Need-to-Know List before using Media Play (USB)

devices. MSC is a Mass Storage Class Bulk-Only Transport device. Examples of MSC are Thumb drives and Flash Carc

"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 comprehensive way, including protecting the rights and interests of content providers, preventing illegal copying of contents, and
- managing billing and settlements. PTP devices are not supported.
- If an over-power warning message is displayed while you are connecting or using a USB device, the device may not be recognized or may malfunction.
- If the TV has no input during the time period set in Auto
- Protection Time, the Screensaver will run.
- The power-saving mode of some external hard disk drives may be released automatically when you 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
- 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 number of files the TV can display, including sub
- folders, in one folder of a USB storage device is 2000.
- . The media may not play smoothly if you use a USB device rated 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 playing - If video time information is unknown, playing time and the progress
- bar are not displayed During video playback, you can search using the ◀ and ▶
- In this mode, you can play movie clips contained in a game, but you
- Supported Subtitle Formats

-	External

Name	File extension
MPEG-4 timed text	.ttxt
SAMI	.smi
SubRip	.srt
SubViewer	.sub
Micro DVD	.sub or .txt
SubStation Alpha	.ssa
Advanced SubStation Alpha	.ass

Sound Problem

small block, dots, pixelization.

The picture will not display in full screen

The remote control does not work

The cable/set top box remote c

does not turn the TV on or off, or adjust

A "Mode Not Supported" message

Caption on the TV menu is greved out.

V Signal Strength is unavailable in the

There is a plastic smell from the TV.

TV is tilted to the right or left side.

The Channel menu is greyed out

Others

Container	Format
AVI	Picture Format
MKV	Text Format
MKV	Text Format
MKV	Text Format
MP4	Text Format
	AVI MKV MKV MKV

H264 1920x1080 6~30 30Mbps MP3 / ADPCM

1920x1080 6~30 30Mbps

1920x1080 6~30 30Mbps

1920x1080 6~30 30Mbps

1920x1080 6~30 30Mbps

VX3.11/4.X/ 5.1/6.0 1920x1080 6-30 30Mbps

AVC 1920x1080 6~30 30Mbps

MJPEG 640x480 6~30 10Mbps

PEG4 SP/ ASP 1920x1080 6~30 30Mbps

H264 1920x1080 6~30 30Mbps

H.264 1920x1080 6~30 30Mbps

MPEG2 1920x1080 6~30 30Mbps

MPEG1 1920x1080 24/25/30 30Mbps

MPEG2 1920x1080 24/25/30 30Mbps H. 264 BP/ 1920x1080 6-30 30Mbps

 MPEG4 SP/ ASP
 1920x1080
 6~30
 30Mbps

 H.264
 1920x1080
 6~30
 30Mbps

H.264 1920x1080 6~30 30Mbps

Sorenson H.263 1920x1080 6-30 30Mbps

• Video content will not play, or not play correctly, if there is an error in

Sound or video may not work if the contents have a standard bit rate/

• If the Index Table contains an error, the Seek (Jump) function will not

• The menu may take longer to appear if the video's bit rate exceeds

Video content may not be play if there is too much content in one file.

H.264 FMO / ASO / RS, VC1 SP / MP / AP L4 and AVCHD are not

Supported Video Formats

Other Restrictions

Video Formats table.

10Mbps.

MPEG4 SP, ASP

H.263 is not supported.

GMC is not support.

Audio Decoder

the content or the container.

Supports up to H.264, Level 4.1

- Below 1280 x 720: 60 frame max

Above 1280 x 720: 30 frame max

- 1. In the Media Play menu, press the ◀/▶ buttons to select Music,
- 2. Press the ◄/►/▲/▼ buttons to select the desired Music in the file
- 3. Press the ENTER button or (Play) button.
- During music playback, you can search using the ◄/▶ buttons.
   ◄ (REW) and ► (FF) buttons do not function during play. Media Play only displays files with MP3 file extensions. Other file extensions are not displayed, even if they are saved on the same
- If the sound is abnormal when playing MP3 files, adjust the Equalizer in the Sound menu. (An over-modulated MP3 file may cause a sound problem.)

# Photos

- 1. In the Media Play menu,, press the ◀ or ▶ button to select Photos, then press the ENTER A 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) / FNTER 🚭
- button on the remote control to start a slide show.
- 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 the 

  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

Image Photo Resolution							
Supported Photo Formats							
Background Music file has finished loading.							

Base-line

# **JPEG** Other Restrictions

• CMYK and YCCK color space JPEGs 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 4 button.
  - 3. Press the TOOLS button, select Play Selected Contents, and then press the ENTER button.

### ■ Playing a video/music/photo folder

- 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.

Storage and Maintenance

prevent scratches.

DIVX.

**■ DOLBY** 

**dts** 

License

# Media Play - Additional Functions

■ Videos/Music/Photos Play Option menus

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.	~	~	<b>✓</b>
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.	~	<b>✓</b>	<b>✓</b>

15360 x 8704

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

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.

Solution Support S

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

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

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

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

You can watch detailed troubleshooting videos at www.samsung.com/spsn.
 Some functions and pictures shown in this manual are available on specific models only.

Do not spray water directly onto the

product. Any liquid that goes into the

slot, and then select Support > Software Upgrade in the TV's menu.

1024 x 768

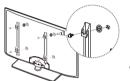
### Using the Setup Menu

- 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 run the file using Media Play, the registration is completed.
- For more information on DivX® VOD, visit "http://vod.divx.com". ■ Information: Select to view information about the connected USB

### Other Information

# **Preparing before installing Wall-Mount**

for 46", 50" models To install a wall-mount from another manufacturer, use the Holder-Ring.



The product shape may diffe depending on the model.

Clean the product with a soft cloth

thinners) or a cleaning agent.

dampened with in a small amount of water.

Do not use a flammable liquid (e.g. benzene,

### **Installing the Wall Mount Kit**

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

For detailed information about installing the wall mount, see the instructions provided with the wall mount kit. 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.

Supports up to WMA7, 8, 9 STD, 9 PRO, and 10 PRO

(LBR mode of WMA Pro is not supported.)

WMA Lossless is not supported.

WMA 9 PRO and WMA 10 PRO support 5.1 channel

Perform the Sound Test to confirm your TV's audio is working properly (Go to MENU - Support - Self Diagnosis - Sound Test) If the audio is OK, the sound problem may caused by the source or signal. There is no sound or the sound is too low at Check the volume control of the device (Cable/Sat Box, DVD, Blu-ray, etc.) connected to your TV.

 If you are using an external device, check the device's audio output option. Ex. You may need to change your cable box's audio option if you have the cable box's audio output connected to your TV using an HDMI cable. • Reboot the connected device by unplugging and then reconnecting the device's power cable.

 Check the cable connections. Make sure a video cable is not connected to an audio input For Antenna or Cable connections, check the signal information. A weak signal may cause sound distortion. • Perform the Sound Test as explained above No Picture, No Video

 Make sure the AC power cord is securely plugged into the wall outlet and the T\ Make sure the wall outlet is working. Try pressing the POWER button on the TV to make sure the problem is not caused by the remote. If the TV turns on, refer to 'Remote control does not work' below. The TV turns off automatically. • Ensure the Sleep Timer is set to Off in the Time menu.

If your PC is connected to the TV, check your PC power settings. Make sure the AC power cord is plugged into the wall outlet and TV securely. When you are watching a TV connected to an antenna or to a cable connection, the TV will turn off after 10 - 15 minutes if there is no signal.

There is no picture/video Check the cable connections, (Remove and reconnect all cables connected to the TV and external devices). Set your external device's (Cable/Sat Rox, 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 that the TV is set to the correct source by pressing the SOURCE button on the remote control. • Reboot the connected device by unplugging and then reconnecting the device's power cable.

 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) The TV is not receiving all channels

• Check the Caption Setup menu. Try changing Caption Mode Service1 to CC1 No Caption on digital channels. Some channels may not have caption data

Adjust the picture size option on your external device or change the TV to full screen.

 Clean the transmission window located on the top of the remote control Try pointing the remote directly at the TV from 5~6 feet away.

Caption must be activated on the external device.

Remove the stand base from the TV and reassemble it The Channel menu is only available when you select the TV source.

You have intermittent loss of audio or video. Check the cable connections and reconnect them.

The picture is distorted: macroblock, error,

• Compression of video contents may cause picture distortion, especially on fast moving pictures such as sports and action A weak signal can cause picture distortion. This is not a TV problem Purple/green rolling horizontal bars and buzzing noise from the TV speakers with Component cable connection.

Black bars on the Top & Bottom will be shown on movies that have aspect ratios different from your TV.

Replace the remote control batteries. Make sure you install the new batteries with their polarity (+/-) correct.

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

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

. You cannot select Caption in the TV menu when watching content from a device connected via HDMI or Component.

If TV is in the **Store Demo** mode, it will reset audio and picture settings every 30 minutes. Please change from **Store Demo** mode to **Home Use** mode using the **Plug & Play** procedure. Press the SOURCE button to select TV mode, go to MENU → **Setup** – **Plug & Play** → ENTER 🚭.

Loss of audio or video can be caused by using overly rigid or thick cables. Make sure the cables are flexible enough for long term use. If mounting the TV to the wall, we recommend using cables with 90 degree connectors.

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

 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. **dts** HD channels will have black hars on either side of the screen when displaying up scaled SD (4:3) contents.

Manufactured under a license from U.S. Patent No's: 6,285,767, 8,027,477, 5,319,713, 5,333,201, 5,638,452, 5,771,295, 5,970,152, 5,912,976, 7,200,236, 7,492,907, 8,050,434, 7,720,240, 7,031,474, 7,907,736 and 7,764,802. DTS, the Symbol, and DTS and the Symbol together are registered trademarks & DTS Studio Sound is a trademark of DTS, Inc. @2012 DTS, Inc. All Rights Reserved.

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

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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. If you are attaching the wall mount to a wall made of building materials othe than drywall, please contact your nearest dealer for information about the appropriate mounting hardware. If you install the TV on a ceiling or slanted wall, it may fall and result in severe personal injury.

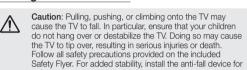
- NOTE • Standard dimensions for wall mount kits are shown in the table
- When purchasing our wall mount kit, a detailed installation manual
- and all parts necessary for assembly are provided • Do not use screws that do not comply with the VESA standard screw specifications.
- Do not use screws that 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

  Optimal resolution not liable for these kinds of accidents. Samsung is not liable for product damage or personal injury whe a non-VESA or non-specified wall mount is used or the consume
- 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	Quant
		19~22	75 X 75	M4	
	I FD-TV	26-28	100 X 100	IVI4	4
LED-TV	LED-IV	32-42	200 X 200	M8	4
	46~60	400 X 400	IVIO		

Do not install your Wall Mount Kit while your TV is turned on. It may result in personal injury due to electric shock.

### Securing the TV to the Wall



### To prevent the TV from falling

TV Holder kits are sold separately. To purchase a TV Holder kit, contact Samsung Customer Care.

safety purposes, as described below

- 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. 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 with a
- strong string or cable, and then tie the string or cable tightly to the 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 professional

UN19F4000

1366 x 768

19" Class

17.8 X 11.0 X 1.9 inches

(453.7 X 281.3 X 49.5 (mm)

17.8 X 12.3 X 4.9 inches

5.5 lbs (2.5 kg)

5.7 lbs (2.6 kg)

1366 x 768

32" Class

(31.5" measured diagonally)

For information about your TV's power requirements 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.
 Dispose unwanted electronics through an approved recycler. To find the nearest recycling location, go to our website: www.samsung.com/

UN32F4000

29.0 X 17.1 X 1.9 inche

(737.9 X 435.8 X 49.5 (mm))

29.0 X 20.0 X 7.5 inches

(737.9 X 509.1 X 191.7 (mm

12.5 lbs (5.7 kg

UN40F5000 / UN40F5050

40.0" measured diagonally

36.5 X 21.7 X 1.9 inches

(928 2 X 552 3 X 49 4 (mm))

(928.2 X 612.2 X 235.0 (mm

Design and specifications are subject to change without prior notice.

This device is a Class B digital apparatus.

recyclingdirect or call, (877) 278-0799

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

**Specifications** 

Operating Temperature

Storage Temperature

Model Name

Screen Size

Dimensions (W x H x D)

(Diagonal)

With stand

Without Stand

lodel Name

Output

With stand

Without Stand

Model Name

Screen Size

(Diagonal)

With stand

With Stand

Weiaht

Display Resolution

Dimensions (W x H x D)

With Stand

Display Resolution

Output

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

### **Kensington Lock**

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

Please find a "🛱" icon on the rear of the TV. The Kensington slot is

The position and color may differ depending on the model.

# **Assembling the Stand Wire Holder**

# for 32" and above models

# Display Modes (HDMI/DVI Input)

4 series:1366 x 768@60Hz / 5 series: 1920 x 1080@60Hz

en er	Mode	Resolution	Horizontal Frequency (KHz)	Vertical Frequency (Hz)	Pixel Clock Frequency (MHz)	Sync Polarity (H / V)	1366 x 768	1920 )
	IBM	720 x 400	31.469	70.087	28.322	-/+	<b>✓</b>	<b>✓</b>
		640 x 480	35.000	66.667	30.240	-/-	<b>✓</b>	<b>✓</b>
	MAC	832 x 624	49.726	74.551	57.284	-/-	<b>✓</b>	~
		1152 x 870	68.681	75.062	100.000	-/-		<b>✓</b>
		640 x 480	31.469	59.940	25.175	-/-	<b>✓</b>	~
		640 x 480	37.861	72.809	31.500	-/-	<b>✓</b>	~
		640 x 480	37.500	75.000	31.500	-/-	<b>✓</b>	~
		800 x 600	37.879	60.317	40.000	+/+	<b>✓</b>	~
		800 x 600	48.077	72.188	50.000	+/+	<b>✓</b>	<b>✓</b>
		800 x 600	46.875	75.000	49.500	+/+	<b>✓</b>	<b>✓</b>
		1024 x 768	48.363	60.004	65.000	-/-	<b>✓</b>	~
		1024 x 768	56.476	70.069	75.000	-/-	<b>✓</b>	<b>✓</b>
		1024 x 768	60.023	75.029	78.750	+/+	<b>✓</b>	<b>✓</b>
	VESA DMT	1152 x 864	67.500	75.000	108.000	+/+		~
		1280 x 720	45.000	60.000	74.250	+/+	<b>✓</b>	<b>✓</b>
		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	+/+		<b>√</b>
		1366 x 768	47.712	59.790	85.500	+/+	<b>✓</b>	~
	İ	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	+/+		~

### Caution of the cover-jack

50°F to 104°F (10°C to 40°C)

10% to 80%, non-condensin

-4°F to 113°F (-20°C to 45°C) 5% to 95%, non-condensing

UN32F4050

10W x 2

29.0 X 17.1 X 1.9 inches

(737.9 X 435.8 X 49.5 (mm))

29.0 X 19.1 X 9.9 inches

12.3 lbs (5.6 kg

UN46F5000 / UN46F5050

1920 x 1080

46" Class

(45.9" measured diagonally

10W x 2

41.7 X 24.6 X 1.9 inches

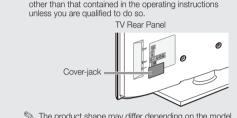
(1059.6 X 626.2 X 49.4 (mm))

(1059.6 X 686.1 X 235.0 (mm

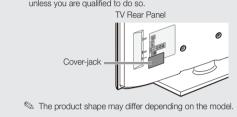
27.1 lbs (12.3 kg

(737.9 X 487.0 X 252.6 (mr

CAUTION: These servicing instructions are for use by other than that contained in the operating instructions



qualified service personnel only. To reduce the risk of electric shock or fire hazard, do not perform any servicing



UN22F5000

1920 x 1080

22" Class

20.2 X 12.6 X 1.7 inches

(513.1 X 321.5 X 43.8 (mm))

20.2 X 14.4 X 6.6 inches

5.7 lbs (2.6 kg)

6.3 lbs (2.9 kg)

UN32F5000 / UN32F5050

1920 x 1080

32" Class

(31.5" measured diagonally)

29.0 X 17.5 X 1.9 inches

29.0 X 19.9 X 7.5 inches

12.3 lbs (5.6 kg)

UN50F5000 / UN50F5050

50" Class

44.7 X 26.2 X 1.9 inches

(1135.4 X 668.0 X 49.8 (mm))

44.7 X 28.6 X 9.2 inches

(1135.4 X 727.9 X 235.0 (mm))

31.9 lbs (14.5 kg)

(49.5" measured diagonally)

(738.0 X 445.4 X 49.0 (mm))

738.0 X 505.8 X 191.7 (mm))

# Color is wrong or missing.

The picture is distorted: macroblock error,

small block, dots, pixelization

There is poor color or brightness.

The picture is black and white.

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

There is a dotted line on the edge of the

JACK PANEL DETAIL / REAR VIEW ■ UN19F4000 / UN22F5000

**Troubleshooting** 

Flickering and Dimming

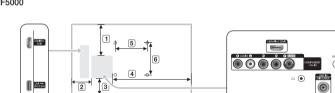
Component Connections /

Screen Brightness

Stand Assembly

Poor picture

Cannot find channel



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

Energy Saving : MENU → Setup → Eco Solution → Energy Saving
 Eco Sensor : MENU → Setup → Eco Solution → Eco Sensor for 5 series

Self Diagnosis : MENU → Support → Self Diagnosis → Picture Test

If the test is ok, try making sure:

still on but, turns it off after a certain

• Sleep Timer : MENU  $\rightarrow$  Setup  $\rightarrow$  Time  $\rightarrow$  Sleep Timer

Go to MENU - Support - Self Diagnosis - Picture Test

sports and action movies.

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

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

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

A weak signal can cause picture distortion. This is not a TV problem

• If the picture size is set to Screen Fit, change it to 16:9.

the cable box reboots. It may take up to 20 minutes.

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

Change the cable/satellite box resolution

If your Samsung television is flickering or dimming sporadically, you may need to disable some of its energy efficient feature like the **Eco Sensor** or the **Energy Saving** feature. Using your remote, follow the steps below to turn these features off or

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

• 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.

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,

Try making sure you have connected to the correct jacks. For example, if you use the Component jacks, labeled Pb. Pr.

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

Backlight, Contrast, Brightness, Sharpness, Color, Tint (G/R) and so on, Go to "Picture" on the User Menu, and then

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 your Sleep Timer is not accidentally set. The Sleep Time allows you the comfort of falling asleep with the TV

Before you turn the TV on, find the red light on the right or left bottom of your TV. Press the power on button on the TV or remote and the light should blink about 5 times before the TV turns on.

If you find that you are having trouble powering on your Samsung television, there are a number of things to check before making a call to the service department.

If you happen to be using the TV as a monitor and the stand-by light only blinks for a few seconds when you press the
power button, your PC is in sleep mode. To take your PC out of sleep mode, press a key on your keyboard or move the
mouse. Then try turning your TV on.

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

a cable or satellite box, your TV may appear to be off because the cable or satellite box is not outputting a signal. To test the

signal output of your cable or satellite box, press the guide or info button on the cable or satellite box remote control. If the screen displays the guide or info data, the problem is caused by the box.

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 SD contents upscaled to HD. The picture quality of upscaled SD content is low.

Mobile phones used close to the TV (within 3.3ft) may cause noise in the picture on analog and digital channels

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

Adjust the Energy Saving option in the TV menu. (Go to MENU - Setup - Eco Solution - Energy Saving)
 Try resetting the picture to view the default picture setting. (Go to MENU - Picture - Picture Reset)

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

If you're using a component connection, make sure the component cables are connected to the correct jacks. Incorrect or loose connections may cause color problems or a blank screen.

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

If the TV is connected to a cable box, reset the cable box. (Disconnect and then reconnect the box's AC cord and wait until

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

f the Sleep Timer is not activated, you may have engaged the No Signal Power Off or Auto Power Off feature.

No Signal Power Off : MENU → Setup → Eco Solution → No Signal Power Off

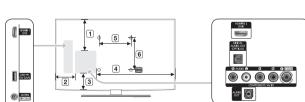
First, perform the **Picture Test** and to see if your TV is properly displaying the test image.

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

Auto Power Off : MENU → Setup → Eco Solution → Auto Power Off

						(Unit: inches)
Model name	1	2	3	4	5	6
UN19F4000	3.0	3.1	3.1	6.9	2.9	2.9
UN22F5000	4.4	4.4	2.6	8.2	2.9	2.9

# ■ LIN32F4000 / LIN32F4050 / LIN32F5000 / LIN32F5050 / LIN40F5000 / LIN40F5000 / LIN46F5050 / LIN46F5050 / LIN50F5000 / LI



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							(Unit: inches)	
	Model name	1	2	3	4	5	6	
	UN32F4000 / UN32F4050	7.7	4.7	4.4	19.0	7.8	7.8	
	UN32F5000 / UN32F5050	7.8	4.8	4.0	19.1	7.8	7.8	
	UN40F5000 / UN40F5050	9.8	6.9	6.2	24.4	7.8	7.8	
	UN46F5000 / UN46F5050	12.1	6.4	6.9	30.1	15.7	15.7	

6.6 32.7 15.7 15.7 UN50F5000 / UN50F5050 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.

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