Figures and disstrations in this User Manuel are provided for reference only and may offer from actual product appearance. Product design and

#### 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 Wide sozen format LED Displays (16:6), the sepect ratio of the screen width to height) and printing designed to leve wide sozen format jub indiction video. The images deplayed on them soparadid to primerily be in twell sozen to let 3 and formats, or expanded to primerily be in well sozen to 16:3 and formats, or expanded to constantly moving. Displaying statisticinary agraphes and images on screen, such as the dark shibbers on once responds standard format stellars on which are programming, should be limited to not more than 5% of the total takeholds will wrightly will wrightly and for stationary images and text such as stock market records. Wildow game displays, station tripose, will be stor a computation. iscons, water game displays, station logos, was sites of completing and patterns, should be limited as described above to alf televisions. Displaying stationary images that exceed the above guidelines can cause uneven aging of LED Displays that leave ubtie, but permanent burned in abost images in the LED picture. o avoid this, vary the programming and images, and primarily display full screen moving images, not stationary patterns or dark iars. 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 talavision 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 · 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. ne above described warranty repairs must be performed by a

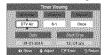
SAMSUNG Authorized Service Center, Along with this Statement the Original Limited Warranty Statement and a dated Bill of Sale as Proof of Purchase must be presented to the Service Center.



M Timer Viewing: You can schedule a channel to be displayed automatically at a set time, even when you are watching another channel. You must set the current time first in the Time > Clock function to use Time Viewing.

To schedule a channel, follow these steps:

- 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
- . Safect **Time Viewing** in the Tools menu, and then press the ENTER ☐# button. The Time Viewing screen appears.



 Use the 
 buttons to move from entry field to entry field and the ▲/♥ buttons to change the entries. Where re displayed, you can also enter numbers directly using the umber keypad on your remote

If you select Everyday or Every Week, the date you select in the Date field hercymes the stant date for your select in the Date field hercymes. cheduled viewing. For **Everyday**, the TV will turn on very day, at the time you selected, starting from that every day, at the time you selected, starting from the date. For **Everyweek**, the TV will turn on every we on the same day of the week as the start date you selected, at the time you selected, from that day on. If you select **Once**, the TV will turn on once, on the date

5. Press the ENTERCE 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 channet, press the ▶ button to view the digital program list. If you highlight a program in the list, and then press the ENTERLE\*/Schedule; button, you set Timer Viewing for that program directly.
- **Select All**: Select all the channels in the displayed channel list. # 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 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
- Mauto Program: See Auto Program under Memorizing Channels.

ransportation to and from the Service Center is the responsibility of

refects in material or workmanship, and only those encountere

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

minimum or maximum repair times, exchanges or replacements

For the Incetion of a SAMSLING Authorized Service Center please

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

Award displaying still images lsuch as joeg picture files) or still image elements (such as 1V chennel logos, 1V shows or movies in panarame of 45 ments stock on reversoral bars, etc.) on the screen. The constant display of still pictures can cause ghosting o image bum-in image retartion on the EED screen, which will affect image quality. Or solution the risk first effect, please action when mage quality. To exhaust the risk first effect, please action the

Always try to display any image in full screen mode. Use the TV's Fixture Options menu to select the optimal screen size.

· Reduce brightness and contrast values to the minimum required

Frequently use all TV features designed to reduce image retention

CANADA USA

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@ 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.

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

Select the Programmed List icon on the left side of the Channel List screen, and then press the ENTER C# button.

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

Select Change Info, and then press the ENTER \* button. The Time Viewing screen appears.

Use the ◄/▶ buttons to move from entry field to entry field.

and the A/V buttons to change the entries. Where numbers are displayed, you can also enter numbers directly using the

nt to change, and then press the TOOLS button

Programmed List Screen Tools Menu 100157

To change the information, follow these steps:

entry you want to change, The Tools Menu appears.

umber keypad on your remote

Press the ENTER ( button when done.

button. The Cancel Scharkela erreen and

button. The Tools Menu appears.

Select OK, and then press the ENTER (→ button.

Cancel Schedules: Cancel a show or channel you have

cancel a scheduled show or channel, follow these steps:

Select the Programmed List icon on the left side of the Channel List screen, and then press the ENTER → button.

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. Solort Cannot Schoolules, any Uhan cross the ENTER F#

Information: Display the information for a show or channel you have scheduled. You can also change the schedule information 1. Select the Programmed List loon on the left side of the Channel List screen, and then press the ENTERCE buffon.

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

Select Information, and then press the ENTER bulton.
The Time Viewing Information screen appears.

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

Select Change Info and press the ENTER □ button to change information, or select Close and press the ENTER □

t information for, and then press the TOOLS

to achieve the desired picture quality. Values that exceed the

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

If you have any questions or comments relating to Samsung products, please contact the SAMSUING oustoner care penter.

800-SAMSUNG(738-7864

Availd displaying the same TV channel for long periods

minimum may speed up the burn-in process.

Contact SAMSUNG WORLDWIDE

Dustomer Care Senter **S** 

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

accessories, options, upgrades, or consumables

Still image warning

Your TV has two kinds of menus, the Main menu and the valous Tools menus. The Main menu gives you access to most or all of the menu opinion seriable on your TV. The Tools menus display a selected number of frequently used menu opinions that change depending on the order you developed that the order you are knowing. A Tools menu symbol. [21] in the lower right side of the screen you are to

The Main menu has seven primary categories:

The On Screen Menus

- Sound
- Application Support Channel

· Setup

To view the Main many proce the MENLE button on your remote. To w a Tools menu, press the TOOLS button on your remo

• Input

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 Y in the Source List.

The Menu cotions are presented below, arranged by Main mers 

### Picture Menu

#### Mode (COST)

Select voor preferred picture mode.

- When your TV is connected to a PC, you can only select Entertain and Standard. W Dynamic: Brightens the screen. Suitable for a bright room.
- Standard: Suitable for a normal.
   Movie: Darkens the screen, making it less glary. Suitable for watching movies in a darkened room.

Entertain: Shamens the picture, Suitable for games %. Only available when the TV is connected to a PC.

#### Backlight / Contrast / Brightness / Sharpness / Color / Tint (G/R)

Backlight: Adjusts the brightness of the screen by adjusting the brightness of the individual pixels. Contrast: increases or decreases the contrast between dark and light areas of the picture.

ingrit areas of the picture.

Bightness: 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 decr
- is. When the TV is connected to a PC, you can only make nanges to Backlight, Contrast, Brightness, and

Other Channel Menu Functions

Channels)

Fine Tune

Plug & Play

Language

enu languagi

☐ Setting the Time

Analog channels ontv.

Channel Mode (Added Channels/Eavorite

you select the channel list displayed when you press the

ACHY (Channel) button on your remote. For example, if you select Favorite Channels, you will only see Favorite channels when your press the ACHY button.

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, line tune the channel

Fine tuned channels that have been saved are marked with an asterisk "" on the right-hand side of the channel number in the channel banner.

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

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

Choose between English, Español, and Français.

The time you set will appear when you press the INFO

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

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

Press ENTER ( and select Auto or Manual, and then press ENTER ( acain.

TV will automatically download the correct time from a

· Select Time Zone, and then press the ENTER [#] button.

S. DST and Time Zone function are only available when

Select DST (Daylight Savings Time), and then press ENTER CSP. Select On if you want to turn the DST adjustment on and off manually. Select Off to turn oil the DST adjustment. Select Autor if you want he TV to adjust to DST automatically. Press ENTER CSP when done.

To set the clock, follow these steps:

. Select Setup >Time > Clock.

If you selected Auto:

%. Select the channel and then select Fine Tune

#### Advanced Settings alleble 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.

- Digital Clean View (Off / Low / Medium / High / Auto) : If the proadcast signal received by your TV is weak, you can activate the **Digital Clean View** feature to reduce any static and ghosting E Cofor Space (Auto / Native): Auto automatically matches the range of colors available to create pictures to the color range of the video source. Native provides a color range vider than the polor range of the video source.
- the bighar Clean view seators preclude any standard girl
  that may appear on the screen.

  When the signal is weak, Iry all the Digital Clean View
  options until the TV (fishlays the hest picture.)

  MMPEG Noise Filter (Off / Low / Medium / High / Auto): White Batance: Adjust the color temperature of the picture so that white objects look white finstead of, for example, sightly pink or sightly yellow) and the overall color of the picture looks. Reduces MPEG noise to provide improved picture quality.

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

B-Offset / G-Offset / B-Offset: Adjusts each color's ired he black level to adjust the screen depth, Low make blacks lool Available only in HDMI mode (RGB signals).

green, tousy dearwises.

R-Gain / R-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.
- M Dynamic Contrast (Off / Low / Medium / High): Adjusts the Black Tone (Off / Dark / Darker / Darkest): Selects the black
- 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 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 Cotor Tone, Size and HDMt Black Level
- Color Tone (Cool / Standard / Warm1 / Warm2): Cool makes the picture bluer (cooler). Warm 1 and Warm 2 make the picture
- Warm1 and Warm2 are deactivated when the picture morte is set to Dvnamic.

mode is set to Unnamic.

Size. Soft 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 recomment you use the TVs 16th mode nock of the time.
10:9. Sets the picture to the 16th 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 the ordire screen.

fits the online science.

43: Sets the joicture to the old, 4:3 format and puts black or gray borders on the right and left of the plotture.

50: Do not watch your 17 in the 43 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 your TV is inputting HDMI (720p / 1080l / 1080p) or Component (1080l / 1080p) HD sionals

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

The Clock Set screen appears. Use the ▲/♥ buttons to change the values in each field or use the number button

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 C#

Available only when Clock Mode is set to Manual

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

Nou can adjust and store settings for each external device you have connected to an input on the TV. Picture Sizes available by Input Source are listed below

If you selected Manual:

60, 90, 120, 150 and 180 minutes

Timer 1 / Timer 2 / Timer 3

S. You must set the clock first

■ Volume: Set the desired loudness.

To cancel the Sleep Timer, select Off

Turns the TV on and off automatically at times and days you select. You can set three different on/off timer settings.

B On Time / Off Time: Set the hour, minute, arr/pm, and On time our time: set the hour, minute, anylym, and Achivate/inscrivate fields for the On Time and Off Time. Use the 4/P buttors to change the values in each field. To activate the timer with the setting you have chosen, set the Activate/inscrivate 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 specifi-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 C# button. The Contents screen.

and anonypiess in elevaters to move from field to field. Use the ▲/♥ buttons to move from field to field. Use the ▲/♥ buttons to change the values in each field.

- 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) likes on

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.

Lise the 4/▶ buttons to move to the field under Music

r the field under Photo, and then press the ENTER C

button. The TV displays a single folder (the Root folder) and the type or name of the device.

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

then press the RETURN button. The Timer screen

%. If there are no folders on your device, press the

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

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

replact 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 ◀/IP buttons to highlight the day, and then pressing the ENTERI® button. To unselect a day, highlight it, and then press the ENTERI® button.

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

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

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

connected to your TV before you can select USE

Steen Timer (CXC)

#### Input Source Picture Size ATV. AV. Component (480), 480pl 1080i, 1080p), Component (1080 1080p), HDMI [720p, 1080i, 1080p)

Picture Reset

Mode 1001973

Equalizer

Film Mode (Off / Auto1 / Auto2): Sets the TV to automatically sense and process film signals from all sources and adjusts the picture for optimum quality.

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

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

Sound Menu

Standard: Selects the normal sound mode

Movie: Provides the best sound for movies

■ Clear Voice: Emphasizes voices over other sounds.

a better listening experience for the hearing impaired

M 100Hz / 300Hz / 1KHz / 3KHz / 10KHz (Bandwidth Adjustment): Adjusts the loudness of specific bandwidth

■ Reset: Resets the equalizer to its default settings.

SRS TruSurround HD (On/Off)

ivailable in Standard sound mode only

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

SRS TruSurround HD is a patented SRS technology that solves

sakers. TruSurround delivers a compelling, virtual surround

cluding internal television speakers. It is fully compatible with all

Digital-TV broadcasts can transmit many audio tracks simultaneously (for example, simultaneous translations of a program

Na You can only select a language from among the ones being

and experience through any two-speaker playback s

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

Music: Emphasizes music over voices.

Available in Standard sound mode only

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

Multi-Track Sound (MTS)

Auto Volume

Sound Reset

☐ Memorizing Channels

the Plug & Play procedure.

Antenna (Air / Cable)

Auto Program

- Mono: Select for channels that are broadcasting in mono or if you are having difficulty receiving a stereo signa
- Stereo: Select for channels that are broadcastion in stere SAP: Select to listen to the Separate Audio Program, which is usually a foreign-language translation.

Automatically adjusts the volume level when you change video sources or content so the level remains the same.

Reset All: Resets all sound settings to the factory defaults

Channel Menu

Antenna and Auto program functions described below let you

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

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

orization function without having to re-run

- On the Cable type screen, use the ◀►/A/▼ buttons to select the type of digital and analog cable systems you have: STD, HRC, or IRC. Most systems are STD (Standard), When done, select Start, and then press ENTERE™. The TV will start memorizing Solution of the program being broadcast, you can listen to Mono, Stereo or SAP.
  - Channel memorization can take up to 45 minutes, depending The Channel List Tools Menu (COLST)

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

automatically select the correct Antenna source. Go to

on your cable system.

Ma 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

©s. This function is not available in Cable mode

#### ☐ Managing Channels

Step 3.

#### When you first set up your TV using Plug & Play, the TV memorized the channels that were available over the air of your cable system and added them to the Channel List. The

vour list of Adolad channels. Equatio channels, or channel ou've scheduled for viewing. Add or delete Favorite channels, delete channels from the Added Channels list, schedule chan



Channel List Screens icons are listed on the left side, Select an icon using the ▲/▼ buttons to view each 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 List.

To start Auto Program, follow these steps:

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

If your TV is connected to an antenna choose Air, and then pres-ENTERCY. The TV will automatically start memorizing channels Cable

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

# Channel List

M (M) All Channels: Shows all currently available channels including those you deleted from the Added Channels

Iss.
 Added Channels: Shows all Added Channels. These ere the channels that appear when you press the CH button.
 Favorite: Shows all favorite channels.

scheduled using Timer Viewing

iote control buttons active on the Channel List screen

Yekow (Select): Move the cursor to a channel. Press the Yellow button to select the channel. A ✓ mark appears. Repeat to se additional channels. Then, open the Tools menu and apply a function in the channels was affected.

ET (Tools): Displays the Channel List Tools many (The Tools)

■ Programmed: Shows all channels and programs currently

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

2. Press the TOOLS button on your remote. The Tools menu in the All Channels, Added Channels, or Favorite screen, p the ▲ / ▼ buttons, and then pressing the ENTER 🕒 button. 3. Select Add in the Tools menu, and then press the ENTER 🖃

> %. All deleted channels will be shown on the All Channels list 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.

Display Icons Used in the Channel List Screens

leans Meaning

A selected channel

A Favorite channel

A reserved program

A program currently being broadcas

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

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

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

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

. 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

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

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

0

Added Channels list.

Add to Favorite/Delete from Favorite: Lets you add channels to and delete channels from your Favorites list.

To add channels to the Favorites list, follow these stens:

- Select one or more channels in the All Channels list using the **A** / ▼ buttons and the Yellow Select button on your remote. 2. Press the TOOLS button on your remote. The Tools menu
- 3. Select Add to Favorite in the Tools menu, and then press the
- To delete channels from the Favorites list, follow these stens

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

- 2. Press the TOOLS button on your remote, The Tools menu
- 3. Select Delete from Favorite in the Tools menu, and then press
- the ENTER F# butter

# Other Features

multichannel formats

Digital channels only

into foreign languages).

Preferred Language

### Program Rating Lock

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

Program Rating Lock is not available in HDMI or

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 when you access the Program hand book when in housing the first time, the PIN input screen appears. Enter 0-0-0. The PIN screen closes and the Program Rating Look Menu appears. Every time you access the Program Rating Look functions, the PIN screen will appear and you must enter a PIN.

When the Rating Look screen appears, select Program Rating Look, and then press ENTERION. Select On, and then press the ENTERION select On, and then press or movies you want to block, select one of the options on the screen, and then press the ENTER C# button. The options are listed belo

- TV Parental Guidelines: You can block TV programs based on their relings. 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 guardians with advanced information on which films are appropriate for
- Canadian Enolish: You can block TV programs based on their ■ Canadian French: You can block TV programs based on their
- B Downloadable U.S. Rating: Parental restriction information can be used while watching DTV channels.
- Locking/Blocking Programs or Movies

You lock or block programs and/or movies in essentileity the same way for each option. Each option displays a grid or table. All the tables have ratings listed or the felt. The ITV Parenta Guidelines option also has kinds of content listed across the top: ALL\*Lock all ITV ratings. / FV. Fantasy violence / V. Violence / S. Sexual situation / L.\* Adult Language; / D. Sexuall 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, tick 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.

The UNIV DUICO on your remote.

If Change PIN: The Clarge PIN screen will appread. Choose any 4 digits for your PIN and enter them in Enter New PIN Belds. Pile-enter the same 4 digits in Confirm New PIN Belds. When the Change PIN screen disappears, press the OK button. The TV has memorized your new PIN.

\*But you sorget the PIN, press the remote control buttons in the following sequence within execution print (1-0-0-0).

he following sequence, which resets the pin to  $^{+}0$ -0-0 POWER (off)  $\rightarrow$  MUTE  $\rightarrow$  8  $\rightarrow$  2  $\rightarrow$  4  $\rightarrow$  POWER (on)

# Game Mode (On/Off)

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

- Precautions and limitations for game mode:
- Before you disconnect the game console and connect another external device, set Game Mode to Off in the setup mercu. 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 quali

#### (On-Screen Text Dialoque)

- Caption: You can switch the caption function on or off, if captions are not available, they will not be displayed on the
- The Caption feature does not work in Component or
- Caption Mode: You can select the desired caption mode.
- Default / CC1~CC4 / Text1~Text4: (analog channels only) The
- Default / Service1 ~ Service6 / CC1 ~ CC4 / Text1 ~ Text4: Service1~6 may not be available in digital caption mode
- 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
- Foreground Color: Options include Default, White, Black, Red, irean, Blue, Yellow, Magenta and Cyan, You can change the olor of the letters. The default is White. Background Color Options include Default, White Black, Red.
- Green, Blue, Yellow, Magenta and Oyan. You can change the background color of the captions. The default is Black. transgrover ocen or me capitons. The deliate is brain. Foreground Opacity: This adjusts the opacity of text. Options include Default, Transparent, Translucent, Solid and Flashing Background Opacity: This adjusts the opacity of the capitor background. Options include Default, Transparent, Translucent,

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

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

# Melody

Set so that a melody plays when the TV is turned on or of The Melody does not play:

- The immody doles for 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

# Auto Protection Time

Watto Protection Time (0ff / 2 hours / 4 hours / 8 hours / 10 hours): If the screen remains idle with a still image for a certain period of the you deline, the screen sever is activated to preve the formation of ghost images on the screen.

#### Eco Solution

- Energy Saving (Off / Low / Medium / High / Picture Off): This adjust the brightness of the TV in order to reduce power consumption. If you select Picture Off, the screen is turned off, but the sound remains on. Press any button except volume utton to turn on the so
- No Signat Power Off (Off / 15 min. / 30 min. / 60 min.): Sets how guiddy the TV switches to standity mode, if no occurre is
- abled when the PC is in power saving mode Auto Power Off (Off / On): The TV will be automatically turned off when no user operation is received for 4 hours.

#### Self Diagnosis

- Picture Test: Use to check for nicture problems. If the cyoblem ars in the test picture, select Yes and follow the directions
- Sound Test: Use the built-in melody sound to check for sound problems. If the problem occurs during the test, select Yes and follow the directions on the screen.
- Signal Strength: (Digital channels only) An HD channel's reception quality is either perfect or the channels are unavailable. Adjust your antenna to increase signal strength. Adjust your antenna to increase signal strength.

  Reset: Reset all settings to the factory defaults.

#### The PIN input screen appears before the setup scr No. Enter your 4-digit PIN. Change the PIN using the Change PIN option.

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

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

### Media Play

Enjoy photos, music and/or movie files saved on a USB Mass Storage Class (MSC) device.



#### ☐ Connecting a USB Device 1. Turn on your TV.

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

#### Using the Media Play Menu



- Press the MENU button. Then, press the ▲ or ♥ button to select Application on the left, and then press the ENTER ☐ €
- Press the ▲ or ♥ button to select Media Play (USB), and then Press the ◀ or ➤ button to select an icon (Videos, Music, Photos, Settings), and then press the ENTER C# button.
- Media Play might not work property with unlicense
- ed-to-Know List before using Media Play (USB)
- The Ne system supports FAT16, FAT32 and NTFS Cortain types of USB Digital camera and audio devices may not be compatible with this TV.
- be compatible with this I.V. Media Play only supports USB Mass Storage Class (MSC) devices, MSC is a Mass Storage Class Bulk-Crby Transport device. Examples of MSC are il Thumb drives and Plass Card Readers. Devices should be connected directly to the TV's USB port. USB HDb a not supported. of the content of the supplement of the TV, please back up your feviler to the TV, please back up your feviler to the TV, please back up your feviler to the true of the content of the true of the content of the conte
- not disconnect the LISB device while it is loading
- The higher the resolution of the image, the longer it takes to display on the screen.
- display on the screen. The maximum supported JPEG resolution is 15380 x 8640 pixels
- The measurum supported JPEG resolution is 15800 x 8940 pasé. If all sie compagned or the IT Vices not support for file year. He Most Supported File Format missage apposes. The TV cannot pay MPG files with DPM that have been ownercaded from a for spy site. Diptail Figures Management (DPM) is a technology that supports the creation, delicitation, and integerned of digital content in an integrated and comprehensive two, including priving the register and finese comprehensive two, including priving the register and finese 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 make miles.
- 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 ma be released automatically when your connect them to the TV.
- if you use a USB extension editio, the TV may not recognize the USB device or may not be able to read the files or the device. If a USB device or may not be able to read the files or the device. If a USB device connected to the TV is not recognized, the sist is files on the device is corrupted, or a file in the list is not played, correct the USB device is a PV, fatmat the device, and others.
- ane 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
  promannelly deline the life.
- Photos only supports the sequential iped format.
- If the number of files and folders saved on a USB storage device over approximately 4000, the files and folders may not appear as some folders may not open.

2014-01-29 🖽 2:33:29

1\_BN68-05829B\_ENG-US.indd 1

- The maximum displayed number of files, including sub-folders, in che folder of USB storage device is 2000.
   \*\*Supported Video Formats\*\*

   \*\*Supported Video Formats\*\*

   \*\*Comparison of the comparison of the comparis
- The media may not be playing smoothly when using the device lower than USB 2.0.

#### Videos



- In the Media Play menu, press the ◀ or ► button to select. Videos, and then press the ENTER C# 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
- In this mode, you can play movie clips contained in a game.
- but you cannot play the game itself.
- Supported Subtitle Formats

Rome	Fig. extension
MFG-4 lined Rd	.tht
SAM	Brai
GubPip	/yn
SubViewer	d.si.
Micro DVD	.sub or .txt
SubStation Alpha	980

Internal		
Name	Container	Formst
Xsub	AV	Picture Format
SubStation Aligna	MKV	Text Formst
Advanced SubStation Alpha	MKV	Test Formst
SubPip	MKV	Teel Format
MPROS-4 Timed text	fdF4	Text Formst

File Extension	Container	Visian Codec	Residution	Frame rute(ps)	pto Microsi	Audio Socie
	AVI MRO ASF MIPH SISP MOV VIRO VOB PS TS	Divx 3.11/4/5/6				
1,846 1,896 1,896		MPEG4 SP / ASP	1925×1090		30	AC3 LPCM
1,900 1 mp4 1 Sgp		H 384 BP / MP / HP				ACIPCM (MAME) AAC
".mpg ".mpg		Motion JPEG	640×480	8-30	8	HE-AAC WASA CIG+
1.89 1.8p 1.8pp 1.8ep 1.8ev		Window Media Video vB				MPES (MPS) DTS (Core) G.711
1.vob 1.svá 1.divo		MPE02	1920×1060		30	(A -Law, u -t,aw)
		Linger				

#### Other Restrictions

- . Video content will not play, or not play correctly, if there is an error in the content or the container
- Sound or video may not work if the contents have a standard bit rate/ trame rate above the compatible Frame/sec listed in t 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

1. In the Media Play menu.

Video Decoder

MPEG4 SP, ASP

GMP is not suppo

Audio Decoder

Music

Supports up to H.264, Level 4.1

- Below 1280 x 720; 60 frame max

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

mode of WMA Pro is not supported)

WMA Lossless is not supported.

H.264 FMO / ASO / RS, VC1 SP / MP / AP L4 and AVCHD are

WMA 9 PPO and WMA 10 PRO support 5.1 channel, (LBR)

ress the ENTER E# butro 2. Press the </b/>
/▲/▼ buttons to select the desired Music in the

press the 4 or > button to select

- 3. Press the ENTER (3) button or 💽 (Play) button So During music playback, you can search using the ◀ and ► button.
- \* (REW) and FF (FF) buttons do not function during Nedia Play only displays files with MP3 and PCM file
- extension. Other file extens ions are not displayed, even if they are saved on the same USB device.
- If the sound is abnormal when playing MP3 files, adjust the Equalizer in the Sound menu. (An over-modulated MP3 file may cause a sound problem.)



re Media Play menu, press the ◀ or ➤ button to select tos, then press the ENTER 🖅 button.

 Press the ◄/►/▲/♥ buttons to select a photo in the file ist. 3. Press the ENTER 👺 button or 💽 (Play) button.

- While a photo list is displayed, press the [E] (Play) / ENTER [9] 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 (FE) (FEW) or (FE) (FF) button.
- 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	

#### Base-line 15360 x 8704 Progressive 1024 x 768 JPEG Other Restrictions

# . CMYK, YCCK Color space JPEG are not supported

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

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

  - 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.

  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

### 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 it before making a call to the service department. before making a call to the service department. If you happen not be depired the Year eminter and the stand-by light only planks for a flow seconds when you press the power button, your PC six is seep mode. To take your PC cut of seep mode, press a key on your septiced or mode the mode. Them they turning your YO or. If you're sure your power cord, amorde control, amord PC are functioning properly, you may be having a cable seau. If you taked a control is suffered to the control of the power o If you have any trouble assembling the stand, refer to hinstell the Stand" in the Start Up or Stand installation Guide Cannot find a channe . Re-run Plug & Play or run Auto Program, (go to MENU - Channel - Auto Program) First, perform the Procure Test and to see if your YV is displaying the rest image properly. Go to MCRU - Support - Self Diagnostis - Pricture Test If the test image is properly displayed, the poor procure may be caused by the source or signal. Poor Picture dia ... 1 yeur breis an increas produits all the diable to au oppose to a digital set top box. Use HSM or Component cables to select 10 Fig. 4 point principate causable. Cable Sealists absorbitions Try HD channels here the channel fine up. ArXicable Annews connectice Try HD channels set unrung Auto Picques. Sin Marry HD channels broadces up scaled SD (Standard Definition) content. The picture quality of up scaled SD content is low. The TV image does not look as goo Adjust the Cable/Set top box video output resolution to 1090 or 720p. Compression of video contents may cause pricture districtive, especially on fast moving pictures such as those in profits and action movines. A wask signal cause picture distortion. This is not a TV problem. Models phones used close to the TV (within 3.3%) may cause noise in the picture on arraing and digital channels. The picture is distorted: macrobiock Ocior is wrong or missing. If you're using a component connection, make sure the component cables are connected to the correct jacks, incorrect or loose connections may assise color problems or a blank screen. Adjust the Picture options in the TV mens. (go to Picture Mode / Color / Brightness / Sturpness) Adjust the Energy Saving octors in the TV mens. (go to MiRNU - Setup - Eco Solution - Energy Saving) Ty resetting the picture or too deside picture settings. (go to MENU - Picture - Picture Reset) If the picture size is set to Screen Fit. Change it to 16.9. There is a dotted line on the edge of · Change the cable/safelite box resolution If you are using an AV composite input, connect the video cable (yellow) to the Green jack of Component Input 1 on the TV. The picture is black and white If connected to a cable box, please by to reset it. (Reconnect the AC cord and wait until the cable box ret may take up to 20 minutes) When changing channels, the pictur Sat the cutout description of the cable how to 1090; or 720n Perform the **Sound Test** to confirm that your TV audio is properly operating, tgo to MEAU - **Support - Self Diagnosis - Sound Test**) Sound Problems If the audio is OK, the sound problem may be caused by the source or signal Change the values of the display Capita/Set Roy, DVD, Rui-cau, etc.) connected to your Till If you are using an external device, check the devices audic output option. Ex, you may ne cable box's audic option to HDMI if the box is connected to your TV using an HDMI dable. Reboot the connected device by reconnecting the device's power cable. \*\*Resource for connections seemed by reconnecting are universe grower scales. \*Check the cable connections. Make sure a video cable is not connected for an audio input. \*For Anterers or Cable connections, check the signal information. A week signal may cause sound distortion. \*Perform the Sound Test as explained above. No Picture, No Vide . Make sure the AC nower conf is securely cludged into the wall outlet and the TV Make sure the wall cubits is working. Try pressing the POWER button on the TV to make sure the problem is not the remote. If the TV turns on, refer to "Pernote control does not work" below. is the LV turns on, rister to "Parricle control does not work" below. • Ensure the Sheep Timer is set to Off in the Time man. • For the Sheep Timer is set to Off in the Time man. • For the Sheep Timer is set to Off in the Time man. • For the Sheep Timer is set to Off in the Time man. • Make sure the AC power cont is plagged securely into the well outlet and the TV. • When you are setablishing TV connected to an antenna or cable connection, the TV will turn off after 10 - 15 natures.

 Check the cable connections, Pheniove and reconnect all cables connected to the TV and external devices).
 Set your seturnal devices (Cable Stat Box, DVD, Bit-ray stelly vibro outputs to match the connections to the TV input. For exempt. If an external devices output is Halfful it should be connected to an HDM input on the TV. Maire sure your connected devices are nowered on. . Re-sure to select the correct inout source by pression the SOURCE button on the remote contra Make sure the coasial bable is connected securely.
 Rain Auto Program to add available channels to the channel fatige to MENU - Channel - Auto program then select Auto and in the menu. There are 3 options, (\$10, HRC and IRC). . Verify the antenna is positioned correctly No Caption on digital channels Check this Caption Setup menu. Try changing Caption Mode Service 1 to CC1.
 Some channels may not have caption data. Compression of video contents may cause picture distortion, especially on fast moving pictures such as those in sports and action movies. The picture is distorted; rescribiosis error, small block, dots, pixelization. A weak signal can cause picture distortion. This is not a TV problem. Remove the left and right sudio 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 correction. . Black hars on the top and bottom appear wisen movies that have aspect ratios different from your TV play on the Adjust the picture size option on your external device or change the TV to full screen. Replace the remote control's batteries. Make sare you incest them with this
 Clash the transmission window located on the top of the remote control.
 Try pointing the remote checity at the TV from 5–6 feet away. The cabbleset top box remote control does not turn the TV on or off, or adjust the VAMSUNIG TV code. The volume. A "Mode Not Supported" message of the Supported resolution of the TV and actius the external device's culput resolution accordingly, Refer to resolution settings in this manual. You cannot select Caption is the TV menu when watching content from a device connected via HDMI or Compound. . Caption must be activated on the external device This smet is normal and will dissipate in a few days. TV Signal Strength is unavailable in the Soft Diagnosis Test menu.

• This function is only available for digital channels received through an Antenna / RPCoax connection soft Diagnosis Test menu. Remove the stand base from the TV and reassemble it. The Channel meet is only mainthly selection and select the TV source If TV is in the Store Demo mode, it will reset audio and picture settings every 30 mituries. Please change for Store Demo mode to Home Use mode using the Plug & Play procedure. Pleas the SOURCE button to set TV mode, or DM EMBU — SHOPU on Plug & Play = EMTRETS. Lose of Budko or video can be caused by using overly rigid or tritick cables. Name sure the cables are flexible enough for long term use. 8 mounting the TV to the wall, we recommend using cables with 50 degree. You see small particles when you look obsertly at the edge of the fearne of the TV.

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

This is part of the product's design and is not a defect. POP (TV's internal barrier ad) appears . Select Home Use under Plug & Play mode. For details, refer to Plug & Play (mital Setup)

- This TFT LED panel uses a panel consisting of sub pixels which require sophisticated technology to produce. However, there may be a few bright or dark pixels on the screen. These pixels will have no impact on the performance of the product.
- Natch these troubleshooting on video at www.samsung.com/span.
- % Some functions and pictures shown in this manual are available on specific models only
- % You can keep your TV in optimum condition by upgrating it with the latest firmware from the Samsung web site (samsung.com Support Downloads). To upgrate, download the firmware by our computer, copy the firmware file to a USB memory stick, insist the USB memory stick to the ITV S USB solt, and then select Support > Software Upgrade in the ITV memu.

### Media Play - Additional Functions

■ Videos/Music/Photos Play Option menu When playing a file, press the TOOLS button

Catagory	Operation	Videos	Music	Photos
Tittle	You can select another video file to play directly.	4		
Repeat Mode	You can play movie and music lies repeatedly.	¥	<b>V</b>	
Picture Size	You can adjust the picture size to your preference.	~		
Picture Mode	You can adjust the picture setting,	V		✓
Sound Mode	You can adjust the sound setting.	V	· 🗸	¥.
Subtitle Setting	You can play the video with Subtities. This function only works: if the subtitles have the same file name as the video.	4		
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,	4		
Stop Slide Show / Start Slide Show	You can start or stop a Side Show.			¥
Slide Show Speed	You can select the slide show speed during the slide show.			V
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 acreen mode.			4
Information	You can see detailed information about the plewed file.	~	~	~

#### Settings

#### Using the Setup Menu

- BirXiV Video On Demand : Shows the registration code subtorizes for the TV. If you connect to the CirXi 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. Epirmore information on DivX® VOD, visit "http://vod.dax.
- Information: Select to view information about the connected USB device.

### Other Information

# Installing the Wall Mount Kit

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

### Wall Mount Kit Specifications (VESA)

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

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

  - On not use somewistims.

    On not use somewistims are longer than the standard demension or do not comply with the VESA standard sorew specifications. Screws that are too long may cause damage to the inside of the fy set.
  - For wall mounts that do not comply with the VESA standard
  - sories send to the college with the VESA standar sories specifications, the length of the sories may differ depending on the walf mount specifications. Do not fasten the screws too firmly. This may damage the product or cause the product to fall, leading to personal in Semsung is not liable for these kinds of accidents.

  - Samsung is not liable for product damage or personal injury when a non-VESA or non-specified wall mount is used or the consumer fails to follow the product installation instructions.
  - Do not mount the TV at more than a 15 degree tilt.
     Always have two people mount the TV on a wait.
- Product Typese in VESA screen role species Stargers (Questing Family Inspects An Bild mismesses Space) 19-22 75 X 75 26-28 100 X 100



#### Securing the TV to the Wall



Caution: Pulling, pushing, or climbing onto the TV may cause the TV to fall. In perticular, ansure that your children do not hang over or destabilize the TV-doing so may cause the TV to tip over resulting in serious injuries or death. Follow all safety precautions provided on the included Safety Flyer. For added stability, install the anti-tall device for safety purposes, as follows:

#### To prevent the TV from falling

- Since the necessary brackets, screws, and string or cable are not supplied, please purchase these separately.
- Insert the screws into the wall brackets and firmly fasten them to the wall. Make sure the screws are firmly fixed to the wall. Its We strongly recommend you drive the screws into a stud.
- Connect the brackets on the TV and the brackets on the wall with a strong string or cable, and then lie the string or cable tightly to the brackets.
- uguary in unsurvotatis. Verify all commentations 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 installer.
- Install the TV close to the wall so that it does not fail.
- A in season and in Youse or the week so that it uses not 186.
  Connect the string or cable last hat the brackets on the wall are at the same height or lower than the brackets on the TV. Unite the string or cable before moving The TV.
  5 To purchase a TV Holder kit, contact Samsung oustorner care.

#### Storage and Maintenance

- 4s. 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.
- 15. The exterior and screen of the product can get scretched during cleaning. Be sure to wipe the exterior and screen carefully using a soft cloth to prevent scratches





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

# License



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SBS TheaterSound™ provides the most immersive speakers, white maintaining steady volume and delivering rich bass and dear dialog



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

ADOUT DWX VDCC: DWX9 is a digital video format created by DWX, LLC, a subsidiary of Povi Corporation. This is an official DwX Centrise® device that place DWX vdco. Wist dwx, com for more information and software tools to convert your files into DWX vdcos. ABOUT DWX VDCO-ON-DEVAMD. This DWX Centrifield device must be registered in order to play purchased DWX Vdco-on-Demand (VOI) movies. To obtain your registration code, locate the DWX VOO section in your device skips manu, do to void, dwx, com for more information not not be completely our registration. Covered by one or more of the following U.S. patients 7.296,677, 7.466,688, 7.515,710, 7.519.274 DWX9, DWX Centrified® and associated logos are trademarks of Pow Corporation or its subsidiaries and are used under followen.



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Manufactured under icense under U.S. Patent Nos. 5,956,674; 5,974,390; 6,487,595 & other U.S. and workfwide patents issued & panding, DTS, the Symbol, & DTS and the Symbol together are registered bademarks & DTS 2,0+Digital Out is a trademark of DTS, Inc. Product includes software. © DTS, Inc. All Software Decrease. The terms HDMI and HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing ELC in the United States and other countries.

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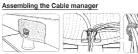
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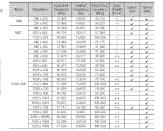
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#### Kensington Lock

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

- Please find a "a" icon on the rear of the TV. The Kensington slot is beside the "a" icon.
- The position and color may differ depending on the m





Display Modes (HDMI/DVI Input)

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

Problem	Possible Solution		
Fischering and Dimming	If your Samsung Television is flickering or dimming spotsolically, you may need to disable some of its energy efficient features first the Exp Sensor or the Energy Saving feature. Follow the steps below with your namote to furn these features of or on.		
	<ul> <li>Energy saving : Menu → Setup → Eco Solution → Energy Saving → Select Settings</li> </ul>		
Component Connections / Soveen Color	If you find that the color on your Samsung television's screen is not correct or black and write, first run a Self Diagnosis Test on the TV to make sure there are no device issues.		
	Self Diagnosis: User Menu → Support → Self Diagnosis → Picture Test		
	If the test is ok, try making sure :		
	<ul> <li>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 Cut jack on your video source.</li> </ul>		
	<ul> <li>Thy making sure you have booneded to the corned jacks. For example, it you use the Component jacks, labels Pb, Pt, and V, to connect your TV and vides source, make sure you have connected the base Pb jack on the video source to the other Pb jack on the TV, the ned Pt jack on the source to the ned Pt jack on the TV.</li> </ul>		
Screen Brightness	If you find that the ocions on your Sameung TV are correct but just a little too dask or bright, there are some setting you should check before caling for a repair.		
	<ul> <li>Backlight, Contrast, Skightness, Sharpness, Color, Tint and so on. Go to "Picture" in the Menu, and then try adjusting those options.</li> </ul>		
Unwarited 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 Mendy No Signal Power Off feature.		
	First make sure the Sleep. Timer is not accidentally sat. The Sleep Timer lets you tall asleep with the TV still on knowing that it will turn off after a certain period of time and not weate energy.		
	Sleep Timer : User Menu → Setup → Time → Sleep Timer		
	If the Seep Timer is not activated, you may have engaged the No Signal Power Off or Auto Power Off feature.		
	<ul> <li>No Signal Power Off: User Menu → Setup → Eco Solution → No Signal Power</li> </ul>		
	Auto Power Off : User Menu → Setup → Eco Solution → Auto Power Off		

Environmental Considerations	
Operating Temperature	50°F to 104°F (10°C to 40°C)
Operatrig Hamkley	10% to 80%, non-condensing
Storage Temperature	4F to 113F (20°C to 45°C)
Storage Humidity	5% to 95%, non-condensing
Model Name	CHIST MONEY
Display Resolution	1988 x 788
Screen Size	28° Class
(Diagonal)	(27.5" measured diagonally)
Sound Output	5W×2
Dimensiona (W x H x D)	
Body	25.3 X 15.6 X 2.4 inches
	(643.4 X 396.5 X 62.9 (nmi))
With stand	25.3 X 17.1 X 6.4 inches
	(643.4 X 435.1 X 163.4 (mm))
Weight	
Without Stand	8.2 lbs (3.73 kg)

- Design and specifications are subject to change without prior notice.

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   This drives is a Class B digital sportarius.
   For information about the power required and more about power consumption, refer to the label attached to the product.
   For information about the power required and more about power consumption in assecuted according to Energy Star Program requirements for talkinsons.
   Dispose unwarpted electronics through an approved recycler. To find the nearest recycling location, go to our websites www.sarsung.com/recycling/discr to radii (EFT 27F-276-018).

### M JACK PANEL DETAIL / REAR VIEW



| 5,6c (notes) | 1,5c (notes) | 1,5c

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NOTE: All drawings are not necessarily to scalinstalliation of your TV. Not responsible for type © 2014 Samsung Electronics America, Inc.

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