Figures and illustrations in this User Manual are provided for reference

IMPORTANT WARRANTY INFORMATION REGARDING TELEVISION FORMAT VIEWING

See the warranty card for more information on warranty

Wide screen format LED Displays (with 16:9 aspect ratios, the ratio of the screen width to height) are primarily designed to view wide screen format full-motion video. The images displayed on them should primarily be in the wide screen, 16:9 ratio format, or expanded to fill the screen, if your model offers this feature, with the images constantly in motion. Displaying stationary graphics and

Still image warning images on the screen, such as the dark sidebars on non-expanded standard format television video and programming, should be limited image elements (such as TV channel logos, TV shows or movies to no more than 5% of the total television viewing time per week. Additionally, viewing other stationary images and text such as stock

computer graphics and patterns, should be limited as described above for all televisions. Displaying stationary images that exceed the above guidelines can cause uneven aging of LED Displays that leave subtle, but permanent burned-in ghost images in the LED picture. To avoid this, vary the programming and images, and primarily display full screen moving images, not stationary patterns or dark bars. On LED models that offer picture sizing features, use these controls to view

market crawls, video game displays, station logos, web sites or

different formats as a full screen picture. Be careful about the television formats you select and the length of time you view them. Uneven LED aging as a result of format selection and use, as well as ourned in images, are not covered by your Samsung limited warranty

• SAMSUNG ELECTRONICS NORTH AMERICAN LIMITED WARRANTY STATEMENT Subject to the requirements, conditions, exclusions and limitations of the original Limited Warranty supplied with Samsung Electronics (SAMSUNG) products, and the requirements, conditions, exclusions

and limitations contained herein. SAMSUNG will additionally provide Warranty Repair Service in the United States on SAMSUNG products purchased in Canada, and in Canada on SAMSUNG products purchased in the United States, for the warranty period originally specified, and to the Original Purchaser only. The above described warranty repairs must be performed by a

SAMSUNG Authorized Service Center, Along with this Statement the Original Limited Warranty Statement and a dated Bill of Sale



Fransportation to and from the Service Center of TVs 37" or smaller those encountered in normal use of the product.

Exclusions include, but are not limited to, any originally specified

For the location of a SAMSUNG Authorized Service Center, please call toll-free

In Canada: 1-800-SAMSUNG

in panorama or 4:3 format, stock or news scroll bars, etc.) on the screen. The constant display of still pictures can cause ghosting or image burn-in (image retention) on the LED screen. which will affect image quality. To reduce the risk of this effect, please follow the commendations below:

- Always try to display any image in full screen mode. Use the TV's
- Reduce brightness and contrast values to the minimum required
- minimum may speed up the burn-in process. • Frequently use all TV features designed to reduce image retention

,-----,

| Contact SAMSUNG WORLDWIDE f you have any questions or comments relating to Samsung products, please contact the SAMSUNG customer care center. | | | |
|---|--|---|--|
| Country | CANADA | U.S.A | |
| Address | Samsung Electronics Canada Inc. 2050 Derry Road West, Mississauga, Ontario L5N 0B9 Canada | Samsung Electronics America Inc. 85 Challenger Road Ridgefield Park, NJ 07660 | |
| Customer Care Center 2 | 1-800-SAMSUNG (726-7864) | | |
| Web Site | www.samsung.com/ca/ support (English) www.samsung.com/ca_fr/ | www.samsung.com/us/ support | |

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

To schedule a channel, follow these steps: 1. Select a channel in the Added Channels list using the ▲/▼

- buttons and the Yellow Select button on your remote.
- 2. Press the TOOLS button on your remote. The Tools menu appears.
- 3. Select **Timer Viewing** in the Tools menu, and then press the

| ENTER 🗗 but | ton. The Tim | er Viewing so | reen app |
|-------------|---------------|---------------|----------|
| | Timer Viewing | | |
| Antenna | Channel | Repeat | |
| DTV Air | 6-1 | Once | |

Date Start Time

01-01-2015 12:01 am

number keypad on your remote.

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

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 you selected, starting from that date. For Every Week, the TV will turn on every week. on the same day of the week as the start date you selected, at the time you selected, from that day on. If you select Once, the TV will turn on once, on the date and time you selected.

. Press the ENTER button on your remote when don

Hist, Food, Golf, etc. This makes it easier to find and select a

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

■ Deselect All: Deselect all the selected displayed channels.

channels are selected.

You can only select **Deselect All** when one or more

■ Auto Program: See Auto Program under Memorizing Channels.

Only Added Channels can be scheduled.

Scheduled programs and channels are displayed in the

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

Channel List screen, and then press the ENTER button. 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. button. The Tools Menu appears. ■ Channel Name Edit: Analog channels only. Lets you assign a

name of up to five characters to an analog channel. For example, The Timer Viewing Information screen appears.

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

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

is the responsibility of the purchaser. Conditions covered are limited only to manufacturing defects in material or workmanship, and only

provisions for in-home or on-site services, minimum or maximum repair times, exchanges or replacements, accessories, options, upgrades, or consumables

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

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

- Avoid displaying the same TV channel for long periods.
- Picture Options menu to select the optimal screen size. to achieve the desired picture quality. Values that exceed the
- and screen burn-in. Refer to proper user manual section for details.

| Country | CANADA | U.S.A | | |
|---------------------------|--|--|--|--|
| Address | Samsung Electronics Canada Inc. 2050 Derry Road West, Mississauga, Ontario L5N 0B9 Canada | Samsung Electronics Americ Inc. 85 Challenger Road Ridgefield Park, NJ 07660 | | |
| Customer Care Center 2 | 1-800-SAMSUNG (726-7864) | 1-800-SAMSUNG (726-7864) | | |
| Web Site | www.samsung.com/ca/ support (English) www.samsung.com/ca_fr/ support (French) | www.samsung.com/us/ support | | |

Programmed List (on the Channel List Screen) The **Programmed** list displays the channels and programs you have scheduled for viewing using the Timer Viewing function. You

can view, modify, or delete a show you have scheduled using the functions on the Programmed List screen Tools menu

Programmed List Screen Tools Menu TOOLS, 1

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

To change the information, follow these steps:

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

2. On the **Programmed** List screen, select the show or channel ntry 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 **Timer Viewing** screen appears. 4. Use the **◄/▶** buttons to move from entry field to entry field and the ▲/▼ buttons to change the entries. Where numbers are displayed, you can also enter numbers directly using the

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

■ Cancel Schedules: Cancel a show or channel you have scheduled.

To cancel a scheduled show or channel, follow these steps:

1. Select the **Programmed** List icon on the left side of the Channel List screen, and then press the ENTER - 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 \blacksquare

4. Select **OK**, and then press the ENTER button.

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

have scheduled. You can also change the schedule Information. 1. Select the **Programmed** List icon on the left side of the

2. On the **Programmed** List screen, select the show or channel entry you want information for, and then press the TOOLS

3. Select **Information**, and then press the **ENTER** • button.

☐ Other Channel Menu Functions

The On Screen Menus

The Main menu has seven primary categories:

Picture

Sound

Channel

in the Source List.

Picture Menu

Select your preferred picture mode.

Entertain and Standard.

■ Standard: Suitable for a normal.

Color / Tint (G/R)

watching movies in a darkened room

brightness of the individual pixels.

light areas of the picture.

decreases and vice versa.

Sharpness.

effective as Backlight.

Mode TOOLS 和

Setup

Your TV has two kinds of menus, the Main menu and the various

Tools menus. The Main menu gives you access to most or all of

the menu options available on your TV. The Tools menus display

a selected number of frequently used menu options that change

depending on the screen you are viewing. A Tools menu symbo

Application

Support

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

on the Source you have selected. For example, if you have

selected the HDMI source, the Channel category will not

The Menu options are presented below, arranged by Main menu

categories. A Tools button symbol (TOOLS 27) next to an option

name indicates the option is also available in one of the Tools

When your TV is connected to a PC, you can only select

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

■ Movie: Darkens the screen, making it less glary. Suitable for

Only available when the **TV** is connected to a **PC**.

Backlight / Contrast / Brightness / Sharpness /

■ Backlight: Adjusts the brightness of the screen by adjusting the

■ Contrast: Increases or decreases the contrast between dark and

the more intense the color. Low settings remove color and the

■ Tint (G/R): Adjusts the amount of green and red in the picture.

As you increase the amount of green, the amount of red

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

changes to Backlight, Contrast, Brightness, and

■ Brightness: Adjusts the brightness of the screen. Not as

■ Sharpness: Sharpens or dulls the edges of objects.

picture becomes black, white and gray.

■ Entertain: Sharpens the picture. Suitable for games

appear. To see the Channel category, you must first select TV

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

The menu options that appear in the Main menu depend

Channel Mode (Added Channels/Favorite Channels)

Lets you select the channel list displayed when you press the **^CH∨** (Channel) button on your remote. For example, if you select Favorite Channels, you will only see Favorite channels when you press the **∧CH∨** button.

Fine Tune

Analog channels only.

If the reception is clear, you do not have to fine tune the channel, as this is done automatically during the search and store operation. If the signal is weak or distorted, fine tune the channel

Select the channel, and then select Fine Tune. 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.

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

Setup Menu

Plug & Play

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

Language

Set the menu language.

Choose between English, Español, and Français.

□ Setting the Time

The time you set will appear when you press the INFO

■ Clock: Set the clock so you can use the various timer features If you disconnect the power cord, you have to set the

clock again To set the clock, follow these steps

Select Setup >Time > Clock

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

The TV will automatically download the correct time from a digital channel. • Select Time Zone, and then press the ENTER button. Use the ▲/▼ buttons to select your **Time Zone**, and then

press ENTER ₹. • Select DST (Daylight Savings Time), and then press ENTER . Select On if you want to turn the DST adjustment on and off manually Select Off to turn off the DST adjustment. Select Auto if you want the TV to adjust

to DST automatically. Press ENTER when done. DST and Time Zone function are only available when the Clock Mode is set to Auto.

If you selected Manual:

The Clock Set screen appears. Use the ▲/▼ buttons to change the values in each field or use the number buttons to enter the values directly. Use the **◄/▶** buttons to move from field to field. When done with all the fields, press ENTER Available only when Clock Mode is set to Manual

■ Sleep Timer TOOLS:

Picture Options

Dynamic.

the TVs 16:9 mode most of the time.

top, and bottom are cut off.

and bottom are cut off.

(元) in the lower right side of the screen indicates that a Tools menu Size: Set the size and aspect ratio of the picture on the screen

changes to the Color Tone, Size and HDMI Black Level

■ Color Tone (Cool / Standard / Warm): Cool makes the picture

Your cable box or satellite receiver may have its own set of screen sizes as well. However, we highly recommend you use

Zoom1: Provides moderate magnification of the picture. Sides,

Zoom2: Provides larger magnification of the picture. Sides, top,

Wide Fit: Enlarges the aspect ratio of the picture so the picture

4:3: Sets the picture to the old, 4:3 format and puts black or gray

Do not watch your TV in the 4:3 format for a long time

Custom: Magnifies or shrinks 16:9 pictures vertically and/or

DTV (1080i, 1080p), Component (1080i, 16:9, Wide Fit, 4:3,

■ Digital Clean View (Off / Low / Medium / High / Auto) : If the

When the signal is weak, try all the Digital Clean View

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

■ Film Mode (Off / Auto1 / Auto2): Sets the TV to automatically

sense and process film signals from all sources and adjusts the

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

brightness of the room. In bright light, the screen brightens. In

adjusts the brightness of the screen in response to the

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

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

options until the TV displays the best picture.

Available only in HDMI mode (RGB signals).

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

the Digital Clean View feature to reduce any static and ghosting

horizontally. A magnified or shrunk picture can be moved left,

Picture Size

Screen Fit

16:9, Zoom1, Zoom2

bluer (cooler). Warm makes the picture redder (warmer)

16:9: Sets the picture to the 16:9 wide screen format.

orders on the right and left of the picture.

is not covered by the warranty

by Input Source are listed below:

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

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

that may appear on the screen

picture for optimum quality.

dim light, the screen dims.

Picture Reset

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

picture settings to their factory defaults.

1080i / 1080p) HD signals.

right, up, and down.

Input Source

darker.

■ Color: Adjusts the color saturation. The higher the Color setting, ■ Motion Lighting (Off / On): When on, the TV automatically

Warm is deactivated when the picture mode is set to

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

60, 90, 120, 150 and 180 minutes). To cancel the Sleep Timer, select Off

Timer 1 / Timer 2 / Timer 3

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

You must set the clock first. ■ On Time / Off Time: Set the hour, minute, am/pm, and Activate/Inactivate fields for the On Time and Off Time. Use the ◄/▶ buttons to move from field to field. Use the ▲/▼ buttons to change the values in each field. To activate the timer with

the setting you have chosen, set the Activate/Inactivate field to Activate. ■ Volume: Set the desired loudness ■ Contents: To select what will be turned on when the timer setting is activated. You can set the TV to turn on a specific channel or play back contents such as photo or audio files.

Use the **◄/▶** buttons to move to move to the Contents field.

and then press the ENTER button. The Contents screen

appears. Use the ◀/▶ buttons to move from field to field. Use the ▲/▼ buttons to change the values in each field.

- TV/USB: Select TV or USB. The USB device must be connected to your TV before you can select USB.

- Antenna: Displays the current antenna source. Air or Cable Channel: If you have selected TV, select the desired cha - Music/Photo: If you have selected USB, follow these steps to select a folder containing MP3 (Music) or JPEG (Photo) files 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. Use the ◀/▶ buttons to move to the field under Music. or the field under Photo, and then press the ENTER

button. The TV displays a single folder (the Root folder) and the type or name of the device. 2. Press the ENTER button. A list of folders on the device

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

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

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

■ Repeat: Select Once, Everyday, Mon~Fri, Mon~Sat, Sat~Sun or Manual. If you select Manual, you can select the days you want to activate the timer by using the ◀/▶ buttons to highlight the day, and then pressing the ENTER 🗗 button. To unselect a day, highlight it, and then press the ENTER -

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

Sound Menu

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

Equalizer

Available in Standard sound mode only.

■ Balance L/R: Adjusts the balance between the right and left ■ 100Hz / 300Hz / 1KHz / 3KHz / 10KHz (Bandwidth

Adjustment): Adjusts the loudness of specific bandwidth frequencies. ■ Reset: Resets the equalizer to its default settings.

DTS TruSurround (On/Off)

races of borders displayed on the left, right and center of the screen may cause image retention (screen burn) which DTS TruSurround is a patented DTS technology that solves the problem of playing 5.1 multichannel content over two Screen Fit: Displays the full image without any cut-off when speakers. TruSurround delivers a compelling, virtual surround. ur TV is inputting HDMI (720p / 1080i / 1080p) or Component sound experience through any two-speaker playback system

Available in **Standard** sound mode only.

A HD (High Definition) has a 16:9 aspect ratio and 1080i/1080p (1920x1080) or 720p (1280x720) resolution. multichannel formats. You can adjust and store settings for each external device you Preferred Language have connected to an input on the TV. Picture Sizes available

Digital channels only.

Digital-TV broadcasts can transmit many audio tracks simultaneously (for example, simultaneous translations of a program into foreign languages).

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

including internal television speakers. It is fully compatible with all

Multi-Track Sound (MTS)

Analog channels only.

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

■ SAP: Select to listen to the Separate Audio Program, which is usually a foreign-language translation. Depending on the program being broadcast, you can listen to you have selected the signal source, go on to the Auto Program

Auto Volume

Mono, Stereo or SAP.

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

SPDIF Output

Other Features

Game Mode (On/Off)

Program Rating Lock

enter the same PIN.

Component mode.

children are watching.

Anglophone Canadian ratings.

be used while watching DTV channels.

Locking/Blocking Programs or Movies

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

French Canadian ratings.

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

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

■ 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).

When you connect a game console such as a PlayStation™

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

Before you disconnect the game console and connect another external device, set Game Mode to Off in the setup menu.

 ${}^{\bullet}$ If you display the TV menu in ${\bf Game\ Mode},$ the screen shakes

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

After connecting the game console, set Game Mode to On.

You may notice slightly reduced picture quality.

The Program Rating Lock feature lets you block programs

you've determined are inappropriate for your children based on

the program's ratings. To access the Program Rating Lock

Program Rating Lock is not available in HDMI or

set your own PIN using the Change PIN function.

eature and make any changes, you must enter a PIN (persona

identification number). To watch a blocked program, you must also

The default PIN number of a new TV set is "0-0-0-0". You can

When you access the Program Rating Lock Menu functions for

time you access the Program Rating Lock functions, the PIN

When the Rating Lock screen appears, select Program Rating

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

ENTER → key again. Depending on what type of programs or

■ TV Parental Guidelines: You can block TV programs based

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

movies you want to block, select one of the options on the screen.

and then press the ENTER button. The options are listed below:

on their ratings. This function allows you to control what your

ratings. The Motion Picture Association of America (MPAA) has

implemented a rating system that provides parents or guardians

with advanced information on which films are appropriate for

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

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

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

You lock or block programs and/or movies in essentially the same

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

way for each option. Each option displays a grid or table. All the

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

experience by turning on the **Game Mode** function.

Precautions and limitations for game mode:

Speaker Select

(digital channels only)

Sound Reset

Dolby Digital Comp

Set Dolby Digital compression mode

Channel Menu

the Plug & Play procedure

picture.

Auto Program

to the Channel List.

Antenna (Air / Cable)

■ Memorizing Channels

f 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 If the speakers attached to your audio receiver. If this occurs, set the TV to External Speaker.

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

are on. You will hear sound through both. When Speaker Select is set to External Speaker, the VOLUME and MUTE buttons will not operate and the sound

settings will be limited.

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

external speakers will be mute.

Adds verbal description to the main audio to help the visually

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

When you first set up your TV using Plug & Play, the TV

memorized the channels that were available over the air or through

your cable system and added them to the Channel List. The

Antenna and Auto Program functions described below let you

Before your television can memorize the available channels, you

Cable. Select Menu > Channel > Antenna > Air or Cable. After

Selecting the signal source using the Antenna function also

The Auto Program function memorizes all channels that are

To start **Auto Program**, follow these steps:

available over the air or through your cable system and adds them

1. Push MENU → Channel → Auto Program → ENTER

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

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

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

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

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

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

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

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

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

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

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

■ 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

Default / CC1~CC4 / Text1~Text4: (analog channels only) The

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

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

Analog Caption function operates in either analog TV channel

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

function may or may not work with digital channels

depending on the broadcast

color of the letters. The default is White

Background Opacity to its default.

■ Digital Caption Options: (Digital channels on

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

(Digital channels only) The Digital Captions function works with

Service1~6 may not be available in digital caption mode

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

Foreground Color: Options include Default White Black Red

Background Color: Options include Default, White, Black, Red,

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

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

Foreground Opacity: This adjusts the opacity of text. Options

include Default, Transparent, Translucent, Solid and Flashing.

Background Opacity: This adjusts the opacity of the caption

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

background. Options include Default, Transparent, Translucent

Foreground Color, Background Color, Foreground Opacity and

Digital Caption Options are available only when you can

The Foreground and Background cannot be set to the

Enable/disable displaying the logo while the TV starts up.

select Default and Service1 ~ Service6 in Caption Mode.

background color of the captions. The default is Black.

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

the following sequence, which resets the pin to "0-0-0-0"

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

RETURN button on your remote.

s memorized your new PIN.

(On-Screen Text Dialogue)

digital channels.

default is Standard.

default is Style 0.

Solid and Flashing

same color.

Boot Logo

on your remote. The Antenna Source screen appears

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

must select your TV's signal source, Air (using an antenna) or

re-run the channel memorization function without having to re-run

on your cable system. Visual Impaired

Memorized channels are added to the Added Channels. list. These are the channels you will see when you use the

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

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

On the Cable Type screen, use the ◄/►/▲/▼ buttons to select

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

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

Channel buttons on your remote **Clear Scrambled Channel**

This function filters out scrambled channels after Auto Program is completed. This process may take up to 20~30 minutes

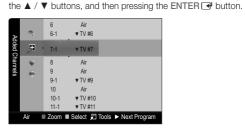
Press the ENTER button to stop the Clear Scrambled

This function is only available in Cable mode.

■ Managing Channels

channels.

Channel List See your list of Added channels, Favorite channels, or channels you've scheduled for viewing. Add or delete Favorite channels, add or delete channels from the Added Channels list, schedule channels or programs for viewing. Watch a channel by selecting the channel in the All Channels, Added Channels, or Favorite screen, pressing



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

■ Channels: Shows all currently available channels including those you deleted from the Added Channels list.

channels that appear when you press the CH button. ■ ♥ Favorite: Shows all favorite channels

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

Remote control buttons active on the Channel List screen. • Green (Zoom): Enlarges or shrinks a channel number. 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 inction to the channels you selected • 🞜 (Tools): Displays the Channel List Tools menu. (The Tools enus may differ depending on the situation.)

Display Icons Used in the Channel List Screens

| If your TV is connected to an antenna choose Air, and then press | | | |
|---|----------|--------------------------------------|--|
| ENTER 3. The TV will automatically start memorizing channels. | Icons | Meaning | |
| Cable | ✓ | A selected channel. | |
| If your TV is connected to a cable outlet, choose Cable, and then | • | A Favorite channel. | |
| press ENTER . Go to Step 3. | © | A reserved program. | |
| Auto | <u> </u> | A program currently being broadcast. | |

☐ The Channel List Tools Menu TOOLS ☐

can use on the All Channels, Added Channels, and Favorite List screens. To view, select a list screen, select a channel, and then

Added Channels list.

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

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

appears.

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

All deleted channels will be shown on the All Channels list You add channels back to the **Added Channels** list on the All Channels list

The Add menu option only appears for deleted channels. ■ Add to Favorite/Delete from Favorite: Lets you add channels to

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

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

1. Select one or more channels in the Favorite Channels list using

■ ♣ Added Channels: Shows all Added Channels. These are the the ▲/▼ buttons and the Yellow Select button on your remote

> 3. Select **Delete from Favorite** in the Tools menu, and then press the ENTER button

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

button to turn on the screen. ■ Eco Sensor (Off / On): To enhance your power savings the picture settings will automatically adapt to the light in the room. This function may not be available, depending on the mode If you adjust the Backlight, the Eco Sensor will be set to Off. 1. Turn on your TV.

screen brightness can be adjusted manually. If Eco Sensor is On, the display brightness may change (become slightly darker in most cases) depending on the surrounding light intensity

now quickly the TV switches to standby mode, if no picture is being received. Disabled when the PC is in power saving mode. ■ Auto Power Off (Off / On): The TV will be automatically turned

Auto Protection Time

■ Auto Protection Time (Off / 2 hours / 4 hours / 8 hours / 10 hours): If the screen remains idle with a still image for a certain period of time you define, the screen saver is activated to prevent the formation of ghost images on the screen.

Support Menu

off when no user operation is received for 4 hours.

appears 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 eception quality is either perfect or the channels are unavailable.

The PIN input screen appears before the setup screen.

Adjust your antenna to increase signal strength.

■ Reset: Reset all settings to the factory defaults.

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

Contact Samsung

Self Diagnosis

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

You can turn the TV into a display model for retail environments by setting Use Mode to Store Demo

For all other uses, select Home Use. With Store Demo some functions are disabled, and the TV automatically resets itself after a preset amount of time.

HD Connection Guide

View this information when your TV does not work properly or

regarding our call centers and how to download products and

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

Refer to this information when connecting external devices to the

recognized or may malfunction.

The Channel List Tools menu contains most of the functions you

Shannel memorization can take up to 45 minutes, depending Add / Delete: Delete a channel from or add a channel to the

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

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

and delete channels from your **Favorites** list.

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

ledia Play

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

menu appears.



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

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

Before connecting your device to the TV, please back up your files to prevent them from damage or loss of data. SAMSUNG is

managing billing and settlements.

If an over-power warning message is displayed while you are connecting or using a USB device, the device may not be

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

press the TOOLS button.

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

A gray-colored channel indicates the channel has been

appears.

USB Mass Storage Class (MSC) device.



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

be supported.

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

button.

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

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

deleted from the Added Channels list.

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

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

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

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

☐ Using the Media Play Menu

open Media Play in the Menu, follow these steps:

 Press the ◀ or ▶ button to select an icon (Videos, Music, Photos, Settings), and then press the ENTER ➡ button. Media Play might not work properly with unlicensed

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

• A USB device that requires high power (more than 0.5A) may not

comprehensive way, including protecting the rights and interests of content providers, preventing illegal copying of contents, and

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

port. USB HDD is not supported.

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

· PTP devices are not supported.

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

appears.

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

• The file system supports FAT16, FAT32 and NTFS.

not responsible for any data file damage or data loss.

display on the screen.

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

☐ Connecting a USB Device

• Do not disconnect the USB device while it is loading.

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

I. Press the MENU button. Then, press the ▲ or ▼ button to elect Applications on the left, and then press the ENTER

• The higher the resolution of the image, the longer it takes to

• The maximum supported JPEG resolution is 15360 x 8640 pixels. • If a file is corrupted or the TV does not support the file type, the "Not Supported File Format" message appears. The TV cannot play MP3 files with DRM that have been

- If the TV has no input during the time period set in Auto
- Protection Time, the Screen saver will run. The power-saving mode of some external hard disk drives may be released automatically when your connect them to the TV.
- If you use a USB extension cable, the TV may not recognize the USB device or may not be able to read the files on the device.
- If a USB device connected to the TV is not recognized, the list of files on the device is corrupted, or a file in the list is not played. connect the USB device to a PC, format the device, and check the connection.
- If a file you deleted from the PC is still found when you run **Media** Play, use the "Empty the Recycle Bin" function on the PC to nanently delete the file.
- Photos only supports the sequential ipeg format. The Videos option does not support the scene search and
- If the number of files and folders saved on a USB storage device is over approximately 4000, the files and folders may not appear and some folders may not open.
- The maximum displayed number of files, including sub folders, in one folder of USB storage device is 2000.
- The media may not be playing smoothly when using the device lower than USB 2.0.



thumbnail functions.

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

- 2. Press the </bd>
 ✓ buttons to select a video in the file list. 3. Press the ENTER → button or ► (Play) button.
- The file name is displayed on the top of the screen with the playing time.
- If video time information is unknown, playing time and the progress bar are not displayed.
- During video playback, you can search using the ◀ and ▶ buttons.
- In this mode, you can play movie clips contained in a game, but you cannot play the game itself. • Supported Subtitle Formats

- External

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

Internal

Trouble Powering Or

Stand Assembly

Poor Picture

it did in the store.

Cannot find a channe

The TV image does not look as good a

The picture is distorted: macroblock

error, small block, dots, pixelization

There is poor color or brightness

The picture is black and white.

Sound Problems

There is a dotted line on the edge of

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

There is no sound or the sound is too

The picture is good, but there is no

The speakers are making an

The TV turns off automatically

No Picture, No Video

Color is wrong or missing.

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

Supported Video Formats

*.webm

Other Restrictions

 $\mbox{H.264 FMO}\xspace$ / ASO / RS, VC1 / AP L4 are not supported. GMC 2 or above is not supported Audio Decoder

Supports up to H 264 | Level 4 1

Video Decoder

WMA 10 Pro supports up to 5.1 channels. Supports up to the M2 $\,$ profile. WMA lossless audio is not supported.

QCELP and AMR NB/WB are not supported. Vorbis is supported for up to 2 channels.

Dolby Digital Plus is supported for up to 5.1 channels.

The DTS LBR codec is only available for MKV / MP4 /TS

Music

containers.

ADPCM (IMA, MS)

MPEG(MP3)



• Codecs may not function properly if there is a problem with the

1920x1080 6~30

• Video content does not play or does not play correctly if there is an error in the content or container

• Some USB/digital camera devices may not be compatible with

File Extension Container Video Codec Resolution Frame rate(fps) (Mbps) Codec

Motion JPEG

H. 264 BP MP / HP

Divx 3.11 / 4 / 5 / 6

MPEG4 SF ASP

Nedia Video v9(VC1)

MPEG2

MPEG:

VP8

- Sound or video may not work if they have standard bit rates/ frame rates above the TV's compatibility ratings.
- If the Index Table is has an error, the Seek (Jump) function will not work.
- When playing video over a network connection, the video may not play smoothly because of data transmission speeds.

Before you turn the TV on, find the red light on the right or left bottom of your TV. Press the power on button

If you find that you are having trouble powering on your Samsung television, there are a number of things to check it

• If you happen to be using the TV as a monitor and the stand-by light only blinks for a few seconds when you

press the power button, your PC is in sleep mode. To take your PC out of sleep mode, press a key on 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 signal. To test the signal output of your cable or satellite box, press the guide or info button on the cable or satellite

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

• If you have an analog cable/satellite box, upgrade to a digital set top box. Use HDMI or Component cables to

Many HD channels broadcast up scaled SD (Standard Definition) content. The picture quality of up

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

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

If you're using a component connection, make sure the component cables are connected to the correct tacks.

Adjust the Energy Saving option in the TV menu. (go to MENU - Setup - Eco Solution - Energy Saving)

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

• If connected to a cable box, please try to reset it. (Reconnect the AC cord and wait until the cable box reboots. It

• If you are using an external device, check the device's audio output option Ex. you may need to change your

For Antenna or Cable connections, check the signal information. A weak signal may cause sound distortion.

• When you are watching TV connected to an antenna or cable connection, the TV will turn off after 10 - 15 minutes

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

• Try resetting the picture to the default picture settings. (go to MENU - Picture - Picture Reset)

box remote control. If the screen displays the guide or info data, the problem is caused by the box.

• Re-run Plug & Play or run Auto Program. (go to MENU - Channel - Auto Program)

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

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

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

before making a call to the service department.

Go to MENU - Support - Self Diagnosis - Picture Test

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

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

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

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

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

(go to MENU - Support - Self Diagnosis - Sound Test)

Perform the Sound Test as explained above.

• 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 wall outlet is working.

Perform the **Sound Test** to confirm that your TV audio is properly operating.

If the audio is OK, the sound problem may be caused by the source or signal.

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

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

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

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

Check the volume of the device (Cable/Sat Box, DVD, Blu-ray, etc.) connected to your TV.

cable box's audio option to HDMI if the box is connected to your TV using an HDMI cable.

Check the cable connections, Make sure a video cable is not connected to an audio input.

· Change the cable/satellite box resolution

may take up to 20 minutes)

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

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

deliver HD (high definition) picture quality.

sports and action movies.

• While the TV is playing a video at the bit rate of 10 Mbps or higher, the menu screens may be displayed slowly

1. In the Media Play menu, press the ◀ or ▶ button to select Music, and then press the ENTER → button.

- 3. Press the ENTER → button or ► (Play) button.
- (REW) and (FF) buttons do not function during

2. Press the ◀/▶/▲/▼ buttons to select the desired Music in the

- During music playback, you can search using the ◀ and
- Media Play only displays files with MP3 and PCM file extension. Other file extensions are not displayed, even if they are saved on the same USB device.
- If the sound is abnormal when playing MP3 files, adjust the Equalizer in the Sound menu. (An over-modulated MP3 file may cause a sound problem.)



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

 or

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

| Image | Photo | Resolution | | |
|--------------------|-------------|--------------|--|--|
| JPEG | Base-line | 15360 x 8704 | | |
| JPEG | Progressive | 1024 x 768 | | |
| 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
- ${}^{\bullet}$ A ${\checkmark}$ mark appears to the left of the selected files
- To cancel a selection, press the Yellow button again To deselect all selected files, press the TOOLS button, select
- Deselect All, and then the ENTER button. 3. Press the TOOLS button, select Play Selected Contents, and
- then press the ENTER button. ■ Playing a video/music/photo folder

1. With the folders on your USB device displayed, use the

- ◄/►/▲/▼ buttons to highlight a folder.
- 2. Press the TOOLS button, select Play Folder, and then press the ENTER button.

| 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 Box, DVD, Blu-ray etc) video outputs to match the connections to the TV input. For example, if an external device's output is HDMI, it should be connected to an HDMI input on the TV. Make sure your connected devices are powered on. Be sure to select the correct input source by pressing the SOURCE button on the remote control. Reboot the connected device by reconnecting the device's power cable. |
|--|--|
| RF (Cable/Antenna) Connection | , and a second s |
| The TV is not receiving all channels. | Make sure the coaxial cable is connected securely. Run Auto Program to add available channels to the channel list. go to MENU - Channel - Auto Program then select Auto and make sure the correct Cable TV signal type is set in the menu. There are 3 options. (STD, HRC and IRC) Verify the antenna is positioned correctly. |
| No Caption on digital channels. | Check the Caption Setup menu. Try changing Caption Mode Service1 to CC1. Some channels may not have caption data. |
| The picture is distorted: macroblock, error, small block, dots, pixelization. | Compression of video contents may cause picture distortion, especially on fast moving pictures such as those in sports and action movies. A weak signal can cause picture distortion. This is not a TV problem. |
| Others | |
| Purple/green rolling horizontal bars and buzzing noise from the TV speakers with Component cable connection. | Remove the left and right audio connections from the set-top-box. If the buzzing stops, this indicates that the set top-box has a grounding issue. Replace the Component video cables with an HDMI connection. |
| The picture will not display in full screen. | HD channels will have black bars on either side of the screen when displaying up scaled SD (4:3) contents. Black bars on the top and bottom appear when movies that have aspect ratios different from your TV play on the TV. Adjust the picture size option on your external device or change the TV to full screen. |
| The remote control does not work. | Replace the remote control's batteries. Make sure you insert them with the polarity (+/-) correct. Clean the transmission window located on the top of the remote control. Try pointing the remote directly at the TV from 5-6 feet away. |
| The cable/set top box remote control does not turn the TV on or off, or adjust the volume. | Program the Cable/Set top box remote control to operate the TV. Refer to the Cable/Set top box user manual for the SAMSUNG TV code. |
| A "Mode Not Supported" message appears. | Check the supported resolution of the TV and adjust the external device's output resolution accordingly. Refer to resolution settings in this manual. |
| Caption on the TV menu is greyed out. | You cannot select Caption in the TV menu when watching content from a device connected via HDMI or Component. Caption must be activated on the external device. |
| There is a plastic smell from the TV. | This smell is normal and will dissipate in a few days. |
| TV Signal Strength is unavailable in the Self Diagnosis Test menu. | This function is only available for digital channels received through an Antenna / RF/Coax connection. |
| | |

POP (TV's internal banner ad) appears • Select Home Use under Plug & Play mode. For details, refer to Plug & Play (Initial Setup). 🖏 This TFT LED panel uses a panel consisting of sub pixels which require sophisticated technology to produce. However, there may

Remove the stand base from the TV and reassemble it.

Check the cable connections and reconnect them.

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

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

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

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

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

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

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

TV is tilted to the right or left side.

The Channel menu is grey out

every time the TV is turned off.

You have intermittent loss of audio or

closely at the edge of the frame of

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

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

Media Play - Additional Functions ■ Videos/Music/Photos Play Option menus

When playing a file, press the TOOLS button.

| Title | You can select another video file to play directly. | ✓ | | |
|---|---|----------|----------|----------|
| Repeat Mode | You can play movie and music files repeatedly. | ✓ | ✓ | |
| Picture Size | You can adjust the picture size to your preference. | ✓ | | |
| Picture Mode | You can adjust the picture setting. | ✓ | | √ |
| Sound Mode | You can adjust the sound setting. | ✓ | √ | √ |
| Subtitle Settings | 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. | ~ | ~ | ✓ |

Using the Setup Menu

- authorized for the TV. If you connect to the DivX web site and register with the 10-digit registration code, you can download the VOD activation file. Once you play it using Media Play, the
- USB device.

Other Information

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

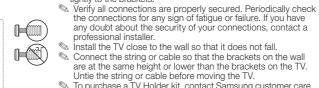
the wall.

the instructions provided with the wall mount items. Contact a technician for assistance when installing the wall mount bracket. Samsung Electronics is not responsible for any damage to the product or injury to yourself or others if you elect to install the wall

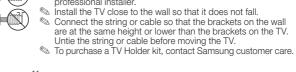














Storage and Maintenance

- nthe exterior and screen of the product can get scratched during cleaning. Be sure to wipe the exterior and screen carefully using a soft cloth to prevent scratches.





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

License

This DivX Certified® device has passed rigorous testing to ensure it plays DivX® video. To play purchased DivX movies, first register your device at vod.divx.com. Find your registration code in the

DivX VOD section of your device setup menu DivX Certified® to play DivX® video up to HD 1080p, including premium content.

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DIVX

(multi-language subtitles, multiple audio tracks, chapters, smooth FF/RW, etc.) streamed to your device. For DTS patents, see http://patents.dts.com. Manufactured under license from DTS Licensing Limited. DTS, the Symbol, & DTS and the Symbol together are registered trademarks, and DTS 2.0 Channel is a trademark of DTS, Inc. @ DTS, Inc. All Rights Reserved.



For DTS patents, see http://patents.dts.com. Manufactured under license from DTS Licensing Limited. DTS, the Symbol, DTS in combination with the Symbol, and DTS Studio Sound are registered trademarks or trademarks of DTS, Inc. in the United States and/or other countries. © DTS, Inc. All Rights Reserved.



DOLBY.
Dolby and the double-D symbol are trademarks of Dolby Laboratories.

The terms HDMI and HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries.

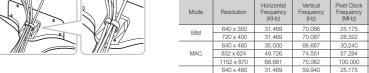
Arranging the cables with the cable guide



Kensington Lock

- The Kensington Lock is not supplied by Samsung. It is a device used to physically fix the system when using it in a public place. Refer to the manual provided with the Kensington Lock for additional information on proper use.
- $\ \ \, \ \,$ Please find a " $\ \ \, \ \,$ icon on the rear of the TV. The Kensington slot is beside the "

 "icon.
- The position and color may differ depending on the model.



Display Modes (HDMI/DVI Input)

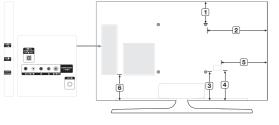
If the TV seems to have a problem, first review this list of possible problems and solution. If none of these troubleshooting tips apply, visit samsung.com, then click on Support, or call Samsung customer service at 1-800-SAMSUNG.

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

Specifications Operating Temperature 50°F to 104°F (10°C to 40°C) 10% to 80%, non-condensing perating Humidity Storage Temperature -4°F to 113°F (-20°C to 45°C) 5% to 95%, non-Storage Humidity Model Name Display Resolution 1920 x 1080 48" Class Screen Size (Diagonal) (42.5" measured diagonal (47.6" measured diago (49.5" measured diagonally) 20 W (10 W x 2) Output Dimensions (W x H x D) 38.8 x 22.6 x 2.8 inches 43.2 x 25.1 x 2.9 inches 44.9 x 26.0 x 2.8 inches (985.5 x 574.9 x 72.0 mm (1098.7 x 638.7 x 73.9 mm) (1140.8 x 662.3 x 72.7 mm) With stand 38.8 x 24.8 x 11.3 inche 44.9 x 28.3 x 12.2 inches 985.5 x 631.7 x 288.0 1098.7 x 696.6 x 310.5 mr 1140.8 x 719.8 x 310.5 mm 20.9 lbs (9.5 kg) 16.5 lbs (7.5 kg) 23.1 lbs (10.5 kg)

- With Stand 18.7 lbs (8.5 kg) Design and specifications are subject to change without prior notice.
- This device is a Class B digital apparatus
- Sor information about the power required and more about power consumption, refer to the label attached to the product. Typical power consumption is measured according to Energy Star Program requirements for televisions.
- Dispose unwanted electronics through an approved recycler. To find the nearest recycling location, go to our website: www. samsung.com/recyclingdirect or call, (877) 278-0799.

■ JACK PANEL DETAIL / REAR VIEW



| Model name | 1 | 2 | 3 | 4 | 5 |
|--|-----|------|-----|-----|-----|
| UN43J5000 | 7.1 | 15.4 | 7.5 | 7.4 | 7.9 |
| UN48J5000 | 8.3 | 17.6 | 8.4 | 6.2 | 6.9 |
| UN50J5000 | 8.8 | 18.5 | 8.9 | 6.4 | 6.9 |
| 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.

NOTE

Photos

When attaching to other building materials, please contact your nearest dealer. If you install the TV on a ceiling or slanted wall, it Category Operation Videos Music Photos may fall and result in severe personal injury.

Settings

■ DivX® Video On Demand: Shows the registration code registration is completed. Solution For more information on DivX® VOD, visit "http://vod.divx.

■ Information: Select to view information about the connected

Installing the Wall Mount Kit For detailed information about installing the wall mount, see











Wall Mount Kit Specifications (VESA)

screw specifications.

Product TV size in VESA screw hole

Securing the TV to the Wall

To prevent the TV from falling

tightly to the brackets.

48

LED-TV

The wall mount kit is not supplied, but sold separately

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

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

• When purchasing our wall mount kit. a detailed installation

manual and all parts necessary for assembly are provided

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

. Do not use screws that are longer than the standard dimension

For wall mounts that do not comply with the VESA standard screw specifications, the length of the screws may differ

Do not fasten the screws too firmly. This may damage the product or cause the product to fall, leading to personal injury.

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.

Caution: Pulling, pushing, or climbing onto the TV

may cause the TV to fall. In particular, ensure that your

children do not hang over or destabilize the TV; doing

injuries or death. Follow all safety precautions provided

on the included Safety Flyer. For added stability, install

the anti-fall device for safety purposes, as follows.

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

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

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

We strongly recommend you drive the screws into a stud.

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

3. Connect the brackets on the TV and the brackets on the wall with a strong string or cable, and then tie the string or cable

so may cause the TV to tip over, resulting in serious

C (mm)

21.5 ~ 22.5

Do not install your Wall Mount Kit while

your TV is turned on. It may result in

ersonal injury due to electric shock.

depending on the wall mount specifications.

Samsung is not liable for these kinds of accidents.

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

200 X 200

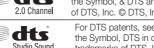
or do not comply with the VESA standard screw specifications. Screws that are too long may cause damage to the inside of the

product may cause a failure, fire, or

electric shock.







To send inquiries and requests for questions regarding open sources, contact Samsung via Email (oss.request@samsung.com).

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