SAMSUNG

LED TV user manual

Figures and illustrations in this User Manual are provided for reference only and may differ from actual product appearance. Product design and ifications may be changed without notic 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 images on the screen, such as the dark sidebars on non-expanded standard format television video and programming, should be limited to no more than 5% of the total television viewing time per week.

Additionally, viewing other stationary images and text such as stock market crawls, video game displays, station logos, web sites, or computer graphics and patterns, should be limited as described above for all televisions

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

Be careful 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 burned in images, are not covered by your Samsung limited warranty. • SAMSUNG ELECTRONICS NORTH AMERICAN LIMITED WARRANTY STATEMENT

Subject to the requirements, conditions, exclusions and limitations of the original Limited Warranty supplied with Samsung Electronics (SAMSUNG) products, and the requirements conditions, exclusions and limitations contained herein, SAMSUNG will additionally provide Warranty Repair Service in the United States on SAMSUNG products purchased in Canada, and in Canada on SAMSUNG products purchased in the United States, for the warranty period originally specified, and to the Original Purchase

The above described warranty repairs must be performed by a SAMSUNG Authorized Service Center, Along with this Statement.

Add to Favorite/Delete from Favorite: Lets you add channels to Channel Name Edit: Analog channels only. Lets you assign and delete channels from your Favorite Channels list.

- To add channels to the Favorite Channels list, follow these steps:
- ▲/▼ buttons and the Yellow Select button on your remote. 2. Press the TOOLS button on your remote. The Tools menu
- appears.
- ENTER 🕑 button.

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

- 1. Select one or more channels in the Favorite Channels list using the ▲/▼ buttons and the Yellow Select button on your remote
- 2. Press the TOOLS button on your remote. The Tools menu appears.
- 3. Select Delete from Favorite in the Tools menu, and then press the ENTER 🖃 button
- 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 Timer Viewing.
- To schedule a channel, follow these steps
- 1. Select a channel in the Added Channels list using the \blacktriangle/∇ 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 🔫 button. The Timer Viewing screen appears.

Timer Viewing					
Antenna	Chan	nel	Repe	eat	
DTV Air	DTV Air 6-1		-1 Once		
Date Start Time					
01-01-20	01-01-2016				
♦ Move	🗢 Adjust	🗗 E	nter	ා Return	

- 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.
- 🔊 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.
- 5. Press the ENTER 🕞 button on your remote when done.
- Only Added Channels can be scheduled.
- 🔊 Scheduled programs and channels are displayed in the Programmed List.
- Solution Not Select a digital channel, press the ► button to view the digital program list. If you highlight a program in the list, and then press the ENTER (Cschedule) button, vou set Timer Viewing for that program directly.

- 5 -

the Original Limited Warranty Statement and a dated Bill of Sale as Proof of Purchase must be presented to the Service Center. Fransportation to and from the Service Center of TVs 40" or smaller is the responsibility of the purchaser. Conditions covered are limited only to manufacturing defects in material or workmanship and only those encountered in normal use of the product. Exclusions include, but are not limited to, any originally specified provisions for in-home or on-site services, minimum or maximum

SERIES

5000

repair times, exchanges or replacements, accessories, options, upgrades, or consumables For the location of a SAMSUNG Authorized Service Center, please

call toll-free In the United States: 1-800-SAMSUNG (1-800-726-7864) 🔊 In Canada: 1-800-SAMSUNG

- Still image warning

Avoid displaying still images (such as jpeg picture files) or still image elements (such as TV channel logos, TV shows or movies in panorama or 4:3 format, stock or news scroll bars, etc.) on the reen. The constant display of still pictures can cause ghosting or image burn-in (image retention) on the LED screen, which wil affect image quality. To reduce the risk of this effect, please follow mendations below

 Avoid displaying the same TV channel for long periods. Always try to display any image in full screen mode. Use the TV's Picture Options menu to select the optimal screen size.

 Reduce brightness and contrast values to the minimum required to achieve the desired picture quality. Values that exceed the um may speed up the burn-in process. Contact SAMSUNG WORLDWIDE

If you have any questions or comments relating to Samsung products, please contact the SAMSUNG customer care center. CANADA USA

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ustomer Care enter 🖀	1-800-SAMSUNG (726-7864)			
/eb Site	www.samsung.com/ca/ support (English) www.samsung.com/ca_fr/ support (French)	www.samsung.com/us/ support		

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- a name of up to five characters to an analog channel. Fo kample, Hist, Food, Golf, etc. This makes it easier to find and select a channel.
- 1. Select one or more channels in the All Channels list using the 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.
- 3. Select Add to Favorite in the Tools menu, and then press the 🛛 🖬 Auto Program: See Auto Program under Memorizing Channels. Programmed List (on the Channel List Screen)

The Programmed list displays the channels and programs you have scheduled for viewing using the 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

■ 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 entry you want to change, and then press the TOOLS button. The Tools Menu appears.
- 3. Select Change Info, and then press the ENTER 🕒 button. The Timer Viewing screen appears.
- 4. Use the $\triangleleft/\triangleright$ buttons to move from entry field to entry field and the \blacktriangle/∇ 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 🛃 button. The Cancel Schedules screen appears. 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 I. Select the **Programmed** List icon on the left side of the Channel List screen, and then press the ENTER 🕑 button.
- 2. On the **Programmed** List screen, select the show or channel entry you want information for, and then press the TOOLS
- button. The Tools Menu appears. 3. Select Information, and then press the ENTER 🖃 button. The Timer Viewing Info screen appears.
- 4. Select Change Info, and then press the ENTER 🖃 button to change information, or select Close, and then press the
- ENTER 🕞 button to close the Information screen. Select All / Deselect All: You can select or deselect all channels
- in the channel list

The On Screen Menus

Your TV has two kinds of menus, the Main menu and the various Tools menus. The Main menu gives you access to most or all of the menu options available on your TV. The Tools menus display a selected number of frequently used menu options that change depending on the screen you are viewing. A Tools menu symbo () in the lower right side of the screen indicates that a Tools menu is available.

Input

Application

Picture Options

Dynamic

fits the entire screen.

(1080i / 1080p) HD signals.

right, up, and down

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

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

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

that may appear on the screen.

picture for optimum quality.

If you selected Manual:

(30, 60, 90, 120, 150 and 180 minutes)

Timer1 / Timer2 / Timer3

You must set the clock first.

Inactivate field to Activate.

■ Volume: Set the desired loudness

To cancel the Sleep Timer. select Off

Sleep Timer TOOLS

Picture Off

screen.

Input Source

When the TV is connected to a PC, you can

the TVs 16:9 mode most of the time.

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

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

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

Warm is deactivated when the picture mode is set to

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

Your cable box or satellite receiver may have its own set of

screen sizes as well. However, we highly recommend you use

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

Do not watch your TV in the 4:3 format for a long time. The borders displayed on the left, right, and center of the

screen in 4:3 format 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 / 1080i / 1080p) or Component

HD (High Definition) has a 16:9 aspect ratio and 1080i/1080p

You can adjust and store settings for each external device

you have connected to an input on the TV. Picture Sizes

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

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

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

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

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

■ 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 /

Motion Lighting (Off / On): When on, the TV automatically dims

the screen's backlights when full brightness is not needed -

power consumption. The backlights are returned to full

The screen is turned off but the sound remains on. Press any button except the power key or volume button to turn on the

brightness when the TV displays bright scenes.

for example when the TV is displaying dark scenes - to reduce

The Clock Set screen appears. Use the ▲/▼ buttons to

Available only when Clock Mode is set to Manual

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

Turns the TV on and off automatically at times and days you

Activate/Inactivate fields for the On Time and Off Time. Use

the $\triangleleft/\blacktriangleright$ buttons to move from field to field. Use the $\blacktriangle/\blacktriangledown$

buttons to change the values in each field. To activate the

timer with the setting you have chosen, set the Activate/

Contents: To select what will be turned on when the timer

setting is activated. You can set the TV to turn on a specific

channel or play back contents such as photo or audio files.

press the ENTER 🖼 button. The Contents screen appears.

buttons to change the values in each field.

to your TV before you can select USB.

the USB device:

device is 1000.

appears.

- 6 -

rated lower than USB 2.0.

re-appears.

to select the folder.

and the type or name of the device.

Use the 4/b buttons to move to the Contents field and then

Use the ◀/▶ buttons to move from field to field. Use the ▲/▼

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

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

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

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

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

including sub folders, in one folder of a USB storage

The media may not play smoothly if you use a USB device

or the field under Photo, and then press the ENTER 🕞

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

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

S If there are no folders on your device, press the

3. Use the \blacktriangle/∇ buttons to highlight a folder that contains

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

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

to activate the timer by using the $\triangleleft/\triangleright$ buttons to highlight the

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

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

highlight it, and then press the ENTER 🕑 button.

screen, press either the ENTER riangler or RETURN button.

When you finished making all your selections on the Timer

Yellow select button to select the Root folder, and

then press the RETURN button. The Timer screen

music or photos, and then press the Yellow select button

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

The maximum number of files the TV can display,

select. You can set three different on/off timer settings.

On Time / Off Time: Set the hour. minute. am/pm. and

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 🖃.

options until the TV displays the best picture.

Available only in HDMI mode (RGB signals)

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

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

e 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. Wide Fit. 4:3.

16:9. Zoom1. Zoom2. 4:3

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

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

gray borders on the right and left of the picture.

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

available by Input Source are listed below:

The Main menu has seven primary categories

- Picture Sound
- Channel • Support Setup
- To view the Main menu, press the MENU button on your remote. To view a Tools menu, press the TOOLS button on your remote. The menu options that appear in the Main menu depend
- on the Source you have selected. For example, if you have selected the HDMI source, the Channel category will not appear. To see the Channel category, you must first select TV in the Source List.

The Menu options are presented below, arranged by Main menu categories. A Tools button symbol (TOOLSE) next to an option name indicates the option is also available in one of the Tools menus.

Picture Menu

Mode Tools 7

- Select your preferred picture mode. 🗞 When your TV is connected to a PC, you can only select
- Entertain and Standard. Dynamic: Brightens the screen. Suitable for a bright room.
- Standard: Suitable for normal room brightness Movie: Darkens the screen, making it less glary. Suitable for
- watching movies in a darkened room Entertain: Sharpens the picture. Suitable for games.
- Only available when the TV is connected to a PC.
- Backlight / Contrast / Brightness / Sharpness / Color / Tint (G/R)
- Backlight: Adjusts the brightness of the screen by adjusting the brightness of the individual pixels.
- Contrast: Increases or decreases the contrast between dark and light areas of the picture.
- Brightness: Adjusts the brightness of the screen. Not as
- effective as 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 (G/R): Adjusts the amount of green and red in the picture.
- As you increase the amount of green, the amount of red decreases and vice versa. When the TV is connected to a PC, you can only make
- changes to Backlight, Contrast, Brightness, and Sharpness.

Other Channel Menu Functions

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 **ACH** button

Fine Tune

Setup Menu

Set the menu language.

Setting the Time

instructions, see your Quick Start Guide

Plug & Play

Language

of the TV.

clock again

ENTER 🛃 again.

digital channel

If you selected Auto:

press ENTER

To set the clock, follow these steps:

Select Setup >Time > Clock

Analog channels only.

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

- Select the channel, and then select Fine Tune.
- 🗞 Fine tuned channels that have been saved are marked with an asterisk "*" on the right-hand side of the channel number in the channel banner.
- So To reset fine-tuning, select the channel, select Fine Tune, and then select Reset on the Fine Tune screen.

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

🗞 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

Solution Set the power cord, you have to set the set the set the power cord, you have to set the s

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

The TV will automatically download the correct time from a

Select Time Zone, and then press the ENTER + button.

• Select DST (Daylight Savings Time), and then press

Solution The DST and Time Zone functions are only available

ENTER 🖃 . Select On if you want to turn the DST

DST adjustment. Press ENTER 🖼 when done.

when the Clock Mode is set to Auto.

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

adjustment on and off manually. Select Off to turn off the

Picture Reset

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

Sound Menu

Equalizer

sneaker

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.

Available in Standard sound mode only.

Reset: Resets the equalizer to its default settings.

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.

Auto Volume

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

Speaker Select

If you are listening to the sound track of a broadcast or movie hrough an external receiver, you may hear a sound echo caused by the difference in decoding speed between the TV's speakers ind the speakers attached to your audio receiver. If this occurs, s 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 th 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.

So When Speaker Select is set to External Speaker, the VOLUME and MUTE buttons will not operate and the sound settings will be limited.

Solution If there is no video signal, both the TV's speakers and the external speakers will be mute.

Preferred Language

Digital channels only. Digital-TV broadcasts can transmit many audio tracks multaneously (for example, simultaneous translations of a

program into foreign languages). 🔊 You can only select a language from among the ones being

Multi-Track Sound (MTS)

broadcast

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 Mono, Stereo or SAP.

Other Features

Voice Guide (On/Off)

You can activate voice guides that describe the menu options aloud to aid the visually impaired.

- Voice Guide: Enable or disable the Voice Guide feature. Voice Guid
- is provided in the current language ■ Volume: Set the volume of the voice guide
- Pitch: Set the pitch of the voice guide.

■ Speed: Set the speed of the voice guide

Game Mode (On/Off)

When you connect a game console such as a PlayStation™ or Xbox™ to your TV, you can enjoy a more realistic gaming experience by turning on the Game Mode function. Precautions and limitations for game mode:

Before you disconnect the game console and connect another

external device, set Game Mode to Off in the setup menu. If you display the TV menu in Game Mode, the screen shakes slight Same Mode is not available when the input source is set to TV. After connecting the game console set Game Mode to On You may notice slightly reduced picture quality.

Program Rating Lock

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** 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.

Sector Program Rating Lock is not available in HDMI or Component mode. S The default PIN number of a new TV set is "0-0-0-0". You can set your own PIN using the Change PIN function.

When you access the Program Rating Lock Menu functions for the first time, the PIN input screen appears. Enter 0-0-0-0. The PIN screen closes and the Program Rating Lock Menu appears. Every time you access the Program Rating Lock functions, the PIN screen will appear and you must enter a PIN.

When the Rating Lock screen appears, select Program Rating Lock, and then press ENTER I. Select On, and then press the ENTER I key again. Depending on what type of programs or movies you want to block, select one of the options on the screen, and then press the ENTER 🛃 button. The options are listed below:

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

MPAA Rating: You can block movies based on their MPAA ratings. The Motion Picture Association of America (MPAA) has implemented a rating system that provides parents or quardians with advanced information on which films are appropriate for children.

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

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

Downloadable U.S. Rating: You can use parental restriction information while watching DTV channels.

Locking/Blocking Programs or Movies

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

SPDIF Output

The SPDIF (Sony Philips Digital InterFace) outputs an mpressed 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 (Oms ~ 250ms).

Visually Impaired

(digital channels only) Adds a verbal description to the main audio to help the visually

Dolby Digital Comp

Sets Dolby Digital compression mode.

HDMI Audio Format

You can select the HDMI Audio format. The available HDMI Audio format may differ depending on the input source.

Sound Reset

impaired.

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

Channel Menu

Memorizing Channels

When you first set up your TV using Plug & Play, the TV memorized the channels that were available over the air or through your cable system and added them to the Channel List. The Antenna and Auto Program functions described below let you re-run the channel memorization function without having to re-run the Plug & Play procedure.

Antenna (Air / Cable)

- Before your television can memorize the available channels, you must select your TV's signal source, Air (using an antenna or Cable. Select Menu > Channel > Antenna > Air or Cable. After you have selected the signal source, go on to the Auto Program 🔊 Selecting the signal source using the Antenna function
- also determines the signal source the TV is tuned to. For example, if you receive your TV signal over the air, and you select Cable, you will see only snow. You must select Air to see a picture.

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

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

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

■ Change PIN: Select Change PIN and the Change PIN screen

appears. Choose any 4 digits for your PIN, and then enter

them in the Enter New PIN fields. Re-enter the same 4 digits

disappears, press the OK button. The TV has memorized your

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

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

in the Confirm New PIN fields. When the Change PIN screen

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

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

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

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

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

Analog Caption function operates in either analog TV channel

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

Caption function may or may not work with digital channels.)

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

channels only) The Digital Captions function works with digital

Service1~6 may not be available in digital caption mode

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

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

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

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

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

Foreground Opacity: This adjusts the opacity of text. Options

Background Opacity: This adjusts the opacity of the caption

nclude Default, Transparent, Translucent, Solid, and Flashing

background. Options include Default, Transparent, Translucent,

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

Color, Background Color, Foreground Opacity, and Background

Digital Caption Options are available only when you can

The Foreground and Background cannot be set to the

Enable or disable the display of the Samsung logo when you turn

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

Digital Caption Options: (Digital channels only)

color of the letters. The default is White.

default is Standard.

default is Style 0.

Solid, and Flashing.

Opacity to its default.

same colo

Boot Logo

on the TV.

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

🔊 The Caption feature does not work in Component or HDMI

e RETURN button on your remote

new PIN

Caption

(On-Screen Text Dialogue)

Auto Program

The Auto Program function memorizes all channels that are vailable over the air or through your cable system and adds them to the Channel List. If you are using a cable or satellite box, you do not need to run the Auto Program function

■ 🦓 All Channels: Shows all currently available channels including

Added Channels: Shows all Added Channels. These are the

Programmed: Shows all channels and programs currently

🗞 Remote control buttons active on the Channel List screen.

Yellow (Select): Move the cursor to a channel. Press the Yellow button to select the channel. A ✓ mark appears. Repeat to

I (Tools): Displays the Channel List Tools menu (The Tools)

select additional channels. Then, open the Tools menu and apply

Meaning

• Green (Zoom): Enlarges or shrinks a channel numbe

se you deleted from the Added Channels list.

channels that appear when you press the CH button

Favorite Channels: Shows all favorite channels.

function to the channels you selected.

Channel List or the Channel List functions

A selected channel

A Favorite channel

A reserved program.

Display Icons Used in the Channel List Screens

nenus may differ depending on the situation.

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

A program currently being broadcast.

The Channel List Tools menu contains most of the functions you can

List screens. To view, select a list screen, select a channel, and then

use on the All Channels, Added Channels, and Favorite Channels

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

To delete channels from the Added Channels list, follow these

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

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

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

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

🛸 A gray-colored channel indicates the channel has been

The Add menu option only appears for deleted channels.

deleted from the Added Channels list.

All deleted channels will be shown on the All Channels list

You add channels back to the Added Channels list on the

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

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.

the \blacktriangle/∇ buttons and the Yellow Select button on your remote.

□ The Channel List Tools Menu Tools 1

scheduled using Timer Viewing.

lcons

•

G

ŏ

press the TOOLS button

Added Channels list

appears.

appears.

All Channels list.

pplication Menu

USB Mass Storage Class (MSC) device.

□ Connecting a USB Device

Using the Media Play Menu

1. Turn on your TV.

menu appears.

E USB Change Device

appears

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

files to the USB jack on the back of the TV. A pop up window

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

n Media Play in the Menu, follow these steps

Press the MENU button. Then, press the ▲ or ▼ button to select

Applications on the left, and then press the ENTER 🖃 button.

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

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

Before connecting your device to the TV, please back up your

responsible for any data file damage or loss of data. SAMSUNG is not responsible for any data file damage or data loss.

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

• 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.

downloaded from a for-pay site. Digital Rights Management

interests of content providers, preventing illegal copying of contents, and managing billing and settlements.

are connecting or using a USB device, the device may not be

comprehensive way, including protecting the rights and

If an over-power warning message is displayed while you

• PTP (Pier to Pier) devices are not supported.

recognized or may malfunction.

- 8 -

(DRM) is a technology that supports the creation, distribution, and management of digital content in an integrated and

• The TV cannot play MP3 files with DRM that have been

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

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

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

Media Play might not work properly with unlicensed multimedia files.

Read the list below before using Media Play (USB)

port. USB HDD is not supported.

be supported.

display on the screen.

• The file system supports FAT16, FAT32, and NTFS.

steps:

To start Auto Program, follow these steps

- 1. Push MENU $\square \rightarrow$ Channel \rightarrow Auto Program \rightarrow ENTER \square on your remote. The Antenna Source screen appears. 2. On the Antenna Source screen, select the source of your TV signal.
- If your TV is connected to an antenna choose Air, and then press ENTER 🕒. 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 Auto

If you choose Auto, and then press ENTER 🖼, the TV will automatically select the correct Antenna source. Go to Step 3.

- 3. On the Cable Type screen, use the 4/b/A/V buttons to select the type of digital and analog cable systems you have: STD, HRC, or IRC Most systems are STD (Standard) When done select Start, and then press ENTER 🕑. The TV will start memorizing
- Channel memorization can take up to 45 minutes
- depending on your cable system Solution 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 Channel
- 🔊 This function is only available in Cable mode

Managing 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 n the All Channels, Added Channels, or Favorite Channels screen, pressing the \blacktriangle / \blacksquare buttons, and then pressing the ENTER 🖃 buttor



Channel List Screens icons are listed on the left side Select an icon using the \blacktriangle / ∇ buttons to view each list

Eco Solution

- Energy Saving (Off / Low / Medium / High): Lets you adjust the brightness of the TV to reduce power consumption.
- Eco Sensor (Off / On): To enhance your power savings the picture settings will automatically adapt to the light in the
- This function may not be available, depending on the
- model 🔊 If you adjust the Backlight fuction, Eco Sensor will be set
- Min. Backlight: When Eco Sensor is On, you can adjust the 2. Connect a USB device containing photo, music, and/or movie minimum screen brightness manually
- 🗞 If Eco Sensor is On, the display brightness may change (become slightly darker in most cases) depending on the surrounding light intensity.
- No Signal Power Off (Off / 15 min. / 30 min. / 60 min.): Sets how quickly the TV switches to standby mode, if no picture is being received
- 🔊 Disabled when an attached PC is in power saving mode. ■ Auto Power Off (Off / On): When Auto Power Off is set to On, the TV will automatically turn off when no user operation is detected for 4 hours

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

You can only choose external devices that are connected to the

TV. In the Source List, connected inputs are highlighted.

Edit Name lets you associate a device name to an input source

making it easier to select a source. To access Edit Name, enter the

nput menu, and then select Edit Name. Select the name of the

device from the drop down next to the name of the input jack it is

connected to. For example, if your Blu-ray player is connected to

HDMI 2, select Blu-ray player from the drop down next to HDMI 2.

If you have connected a PC to the HDMI IN 2 (DVI) port with

🔊 If you have connected a PC to the HDMI IN 2 (DVI) port with

S If you have connected an AV device to the HDMI IN 2 (DVI)

an HDMI cable, you should select PC mode in Edit Name.

an HDMI to DVI cable, you should select DVI PC mode in Edit

port with an HDMI to DVI cable, you should select DVI mode

Input Menu

Source List

Use to select TV or other external input sources such as DVD / Blu-ray players / cable box / STB satellite receiver connected to the TV.

TV / AV / Component / HDMI1 / HDMI2/DVI

- 1. Press the SOURCE button.
- 2. Select a desired external input source.

How to use Edit Name

in Edit Name.

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 permanently delete the file.
- Photos only supports the sequential jpeg format.
- The Videos option does not support the scene search and thumbnail functions.
- If the number of files and folders saved on a USB storage device is over approximately 4000, the files and folders may not appear and some folders may not open.
- The maximum displayed number of files, including sub folders, in one folder of a USB storage device is 1000.
- The media may not play smoothly if you use a USB device rated lower than USB 2.0.



Videos, and then press the ENTER 🖃 button.

- 2. Press the ◀/▶/▲/▼ buttons to select a video in the file list. 3. Press the ENTER button or ► (Play) button.
- The file name is displayed on the top of the screen with the playing 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 ►
- 🖄 In this mode, you can play movie clips contained in a game, but you cannot play the game itself.

• Supported Subtitle Formats

SubStation Alpha

Advanced SubStation Alpha

SubRip

MPEG-4 Timed text

Trouble Powering On

Stand Assembly

Poor Picture

Cannot find a channel

The TV image does not look as good as it did in the store.

The picture is distorted has macroblock

error, small block, dots, pixelization.

The color is wrong or missing

There is poor color or brightness

The picture is black and white

There is a dotted line on the edge of the screen.

When changing channels, the picture

There is no sound or the sound is too

The picture is good, but there is no

The speakers are making an inappropriate noise.

The TV turns off automatically.

No Picture, No Video The TV will not turn on

freezes or is distorted or delayed.

Sound Problems

sound.

-	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			.855	
-	Internal				
	Name	Co	ntainer	Format	
	Xsub		AVI	Picture Format	

MKV

MKV

MKV

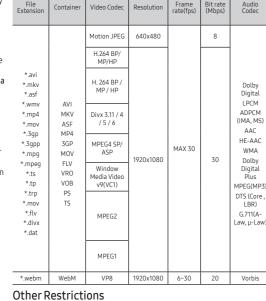
MP4

Text Format

Text Format

Text Format

Text Format



Supported Video Format

- Codecs may not function properly if there is a problem with the content. • Video content will not play or will not play correctly if there is an
- error in the content or contained Sound or video may not work if they have bit rates/frame rates above the TV's compatibility ratings
- If the Index Table contains an error, the Seek (Jump) function will not work.
- When the TV is playing video over a network connection, the video may not play smoothly because of data transmission
- speeds. • Some USB/digital camera devices may not be compatible with
- the TV. • When the TV is playing a video at a bit rate of 10 Mbps or higher,
- the menu screens may be displayed slowly

Video Decoder Supports up to H.264, Level 4.1

H.264 FMO / ASO / RS, VC1 / AP L4 are not supported. GMC 2 or above is not supported. Audio Decoder WMA10 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 containers



🖃 Pause 🔶 Jump 🞜 Tools ゔ Re 1. In the Media Play menu, press the ◀ or ▶ button to select

Music, and then press the ENTER 🔫 button. 2. Press the ◄/▶/▲/▼ buttons to select the desired Music in the ■ Playing a video/music/photo folder

Playing Multiple Files

🔊 NOTE

Playing selected video/music/photo files

Yellow button on your remote.

2. Repeat Step 1 to select multiple files.

then press the ENTER 🔫 buttor

ENTER 🖃 button.

Category

Repeat Mode

Picture Size

Picture Mode

Sound Mode

Audio Format

Language

Stop Slide

Start Slide

Slide Show

Background

Zoom

Rotate

Information

Subtitle

Title

Image: A the second second

Media Play - Additional Functions

■ Videos/Music/Photos Play Ontion menus

When playing a file, press the TOOLS button.

play directly

r preference.

1. On the File List screen, highlight a file, and then press the

• A ✓ mark appears to the left of the selected files

Deselect All, and then the ENTER 🕑 button.

To cancel a selection, press the Yellow button again

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

Operation

can play movie and music

ou can adjust the picture size to

ou can adjust the sound settin

u can select the digital audio tput format.

uage if the video has more

can start or stop a Slide

can select the slide show ed during the slide show.

ou can zoom into images in ful reen mode.

u can see detailed information

You can rotate images in full

about the played file.

ou can set and select

/atching a Slide Show

u can adjust the picture

You can play the video with Subtitles. This function only

works if the subtitles have the

ame file name as the video.

You can change the audio

han one language.

You can select another video file

To deselect all selected files, press the TOOLS button, select

3. Press the TOOLS button, select Play Selected Contents, and

- file list. 3. Press the ENTER button or ▶ (Play) button.
- During music playback, you can search using the 4 and button. 🔍 < (REW) and 🕞 (FF) buttons do not function during
- 🔊 Media Play only displays files with an MP3 or 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 the TV plays MP3 files, adjust
- the Equalizer in the Sound menu. (An over-modulated MP3 file may cause a sound problem.)

Photos



- In the Media Play menu, press the
 ✓ or
 ✓ button to select
- Photos, then press the ENTER 🔫 button. 2. Press the $\langle / \rangle / \langle / \rangle$ buttons to select a photo in the file list.
- Press the ENTER → button or > (Play) button. S NOTE • While a photo list is displayed, press the 🕨 (Play) / ENTER 🚭
- button on the remote control to start a slide show • All files in the file list section will be displayed in the slide
- During the slide show, files are displayed in order During the slide show, you can adjust the slide show speed using (() (REW) or ()) (FF) buttor
- 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. Nou 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 8640
	Progressive	1024 x 768

Other Restrictions

• CMYK, YCCK Color space JPEG are not supported.

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. Rebot the connected device by unplugging and then reconnecting the device's power cable.
RF (Cable/Antenna) Connection	
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.
TV is tilted to the right or left side.	Remove the stand base from the TV and reassemble it.
The Channel menu is grey out (unavailable).	The Channel menu is only available when you select the TV source.
Your settings are lost after 30 minutes or every time the TV is turned off.	 If TV is in the Store Demo mode, it will reset audio and picture settings every 30 minutes. Please change from Store Demo mode to Home Use mode using the Plug & Play procedure. Press the SOURCE button to select TV mode, go to MENU → Setup → Plug & Play → ENTER .
You have intermittent loss of audio or video.	 Check the cable connections and reconnect them. Loss of audio or video can be caused by using overly rigid or thick cables. Make sure the cables are flexible enough for long term use. If mounting the TV to the wall, we recommend using cables with 90 degree connectors.
You see small particles when you look closely at the edge of the frame of	This is part of the product's design and is not a defect.

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

🗞 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.

Nou can watch detailed troubleshooting videos at www.samsung.com/spsn.

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

🗞 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.

- 14-

Settings

Using the Setup Menu

registration is completed. divx.com". USB device.

other sports. 2. Press the TOOLS button, select Play Folder, and then press the Select a part to zoom it in.

is turned off.

Videos Music Photos

 \checkmark

1

 \checkmark

 \checkmark

 \checkmark

 \checkmark

 \checkmark

 \checkmark

 \checkmark

Support Menu

- Self Diagnosis on the screer

- 🗞 Enter your 4-digit PIN. Change the PIN using the Change PIN option. Software Upgrade Software Upgrade can be performed by downloading the latest

Use Mode

etting Use Mode to Store Demo

HD Connection Guide

Contact Samsung

software.

the TV.



License

DIVX HD

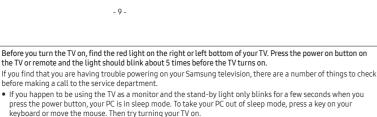
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If you're sure your power cord, remote control, and PC are functioning properly, you may be having a cable issue. If

you have a cable or satellite box, your TV may appear to be off because the cable or satellite box is not outputting a signal. To test the signal output of your cable or satellite box, press the guide or info button on the cable or

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

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

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

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

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

then wait until the cable box reboots. It may take up to 20 minutes.)

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.

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

Try pressing the POWER button on the TV to make sure the problem is not the remote. If the TV turns on, refer to 'Remote control does not work' below.

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.

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

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

Go to MENU - Support - Self Diagnosis - Picture Test

• If the picture size is set to Screen Fit, change it to 16:9. Change the cable/satellite box resolution

scaled SD content is lov

sports and action movies.

1 on the TV.

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

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

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

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

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

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

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

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

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

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

• 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)

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

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

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

Using Sports Mode TOOLS

- This mode provides optimized conditions for watching soccer and A (Zoom): Pauses playback and divides the picture into 9 parts.
- Solution When Sports Mode is On, the picture and sound modes are
- set to Stadium automatically 🔊 If you turn the TV off while Sports Mode is on, Sports Mode

- Picture Test: Use to check for nicture problems. If the problem 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 reception quality is either perfect or the channels are unavailable. Adjust your antenna to increase signal strength.
- Reset: Reset all settings to the factory defaults. Solution Not the Second Se

firmware from samsung.com to a USB memory device.

You can turn the TV into a display model for retail environments by LED-TV

Sor all other uses, select Home Use.

Nith Store Demo, some functions are disabled, and the TV automatically resets itself after a preset amount of time.

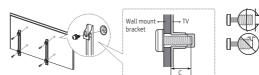
Refer to this information when connecting external devices to

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

Other Information

Installing the Wall Mount Kit The wall mount kit (sold separately) allows you to mount the TV on the wall. For detailed information about installing the wall mount, see

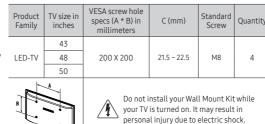
the instructions provided with the wall mount items. Contact a technician for assistance when installing the wall mount bracket. Samsung Electronics is not responsible for any damage to the oduct or injury to yourself or others if you elect to install the wall mount on your own.



Wall Mount Kit Specifications (VESA)

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

- Standard dimensions for wall mount kits are shown in the
- table below.
 When purchasing our wall mount kit, a detailed installation manual and all parts necessary for assembly are provided • Do not use screws that do not comply with the VESA standard
- screw specifications. Do not use screws that are longer than the standard dimension or do not comply with the VESA standard screw specifications Screws that are too long may cause damage to the inside of the TV set
- For wall mounts that do not comply with the VESA standard
- Do not fasten the screws too firmly. This may damage the
- Samsung is not liable for product damage or personal injury when a non-VESA or non-specified wall mount is used or the
- Do not mount the TV at more than a 15 degree tilt. Always have two people mount the TV on a wall.



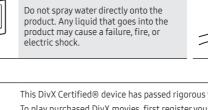
Securing the TV to the Wall

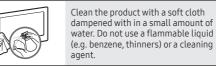
Caution: Pulling, pushing, or climbing onto the TV may cause the TV to fall. In particular, ensure that your children do not hang over or destabilize the TV; doing so may cause the TV to tip over, resulting in serious injuries or death. Follow all safety precautions provided on the included Safety Flyer.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

Storage and Maintenance

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

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





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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Open Source used in this product can be found on the following webpage.

(http://opensource.samsung.com) Open Source License Notice is written only English.

To prevent the TV from falling

- 🗞 Since the necessary brackets, screws, and string or cable are not supplied, please purchase these separately.
- 1. Insert the screws into the wall brackets and firmly fasten them to
- the wall. Make sure the screws are firmly fixed to the wall. We strongly recommend you drive the screws into a stud.
- 2. Using screws, insert the screws through the TV brackets, and then fasten the screws to the top VESA screw holes on the back of the TV.
- Connect the brackets on the TV and the brackets on the wall with a strong string or cable, and then tie the string or cable tightly to the brackets. the brackets.
- Verify all connections are properly secured. Periodically check the connections for any sign of fatigue or failure. If you have any doubt about the security of your connections, contact a performance in the security of your connections. professional installer
- Install the TV close to the wall so that it does not fall Connect the string or cable so that the brackets on the wall are at the same height or lower than the brackets on the TV. Untie the string or cable before moving the TV. ◎ To purchase a TV Holder kit, contact Samsung customer care.

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)

timal re	esolution: 192	0 x 1080@6	0Hz			
Mode	Resolution	Horizontal Frequency (KHz)	Vertical Frequency (Hz)	Pixel Clock Frequency (MHz)	Sync Polarity (H / V)	1920 x 1080
	640 x 350	31.469	70.086	25.175	+/-	~
IBM	720 x 400	31.469	70.087	28.322	-/+	~
	640 x 480	35.000	66.667	30.240	-/-	\checkmark
MAC	832 x 624	49.726	74.551	57.284	-/-	\checkmark
	1152 x 870	68.681	75.062	100.000	-/-	~
	640 x 480	31.469	59.940	25.175	-/-	~
	640 x 480	37.861	72.809	31.500	-/-	~
	640 x 480	37.500	75.000	31.500	-/-	~
	800 x 600	37.879	60.317	40.000	+/+	~
	800 x 600	48.077	72.188	50.000	+/+	~
	800 x 600	46.875	75.000	49.500	+/+	~
	1024 x 768	48.363	60.004	65.000	-/-	~
	1024 x 768	56.476	70.069	75.000	-/-	~
	1024 x 768	60.023	75.029	78.750	+/+	~
ESA DMT	1152 x 864	67.500	75.000	108.000	+/+	~
	1280 x 720	45.000	60.000	74.250	+/+	~
	1280 x 800	49.702	59.810	83.500	-/+	~
1	1280 x 1024	63.981	60.020	108.000	+/+	\checkmark
	1280 x 1024	79.976	75.025	135.000	+/+	~
1	1366 x 768	47.712	59.790	85.500	+/+	~
	1440 x 900	55.935	59.887	106.500	-/+	~
	1600 x 900RB	60.000	60.000	108.000	+/+	~
	1680 x 1050	65.290	59.954	146.250	-/+	~
	1920 x 1080	67.500	60.000	148.500	+/+	~

Troubleshooting

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

Problem	Possible Solution			
Flickering and Dimming	If your Samsung Television is flickering or dimming sporadically, you may need to disable some of its energy efficiency features such as the Energy Saving feature. Follow the steps below with your remote to turn these features off or on.			
	• Energy saving : MENU \rightarrow Setup \rightarrow Eco Solution \rightarrow Energy Saving \rightarrow Select Settings			
	• Eco Sensor : MENU \rightarrow Setup \rightarrow Eco Solution \rightarrow 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.			
	• Self Diagnosis : User Menu \rightarrow Support \rightarrow Self Diagnosis \rightarrow 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 vide source to the blue Pb jack on the TV, the red Pr jack on the source to the red Pr jack on the TV, etc. 			
Screen Brightness	If you find that the colors on your Samsung TV are correct but just a little too dark or bright, there are some settings you should check before calling for a repair. Backlight, Contrast, Brightness, Sharpness, Color, Tint and so on. Go to "Picture" in the Menu, and then try adjusting these options.			
Unwanted Powering off	If your Samsung TV appears to turn off by itself, there may be an issue with either your Timer settings or your Eco friendly No Signal Power Off feature.			
	First make sure the Sleep Timer is not accidentally set. The Sleep Timer lets you fall asleep with the TV still on knowing that it will turn off after a certain period of time and not waste energy.			
	• Sleep Timer : User Menu \rightarrow Setup \rightarrow Time \rightarrow Sleep Timer			
	If the Sleep Timer is not activated, you may have engaged the No Signal Power Off or Auto Power Off feature.			
	 No Signal Power Off : User Menu → Setup → Eco Solution → No Signal Power 			

Specifications				
Environmental Considerations Operating Temperature Operating Humidity Storage Temperature Storage Humidity		50°F to 104°F (10°C to 40°C) 10% to 80%, non-condensing -4°F to 113°F (-20°C to 45°C) 5% to 95%, non-condensing		
Model Name	UN43J5000	UN48J5000	UN50J5000	
Display Resolution	1920 x 1080			
Screen Size (Diagonal)	43" Class (42.5" measured diagonally)	48" Class (47.6" measured diagonally)	50" Class (49.5" measured diagonally)	
Sound Output	20 W (10 W x 2)			
Dimensions (W x H x D) Body With stand	38.8 x 22.6 x 2.8 inches (985.5 x 574.9 x 72.0 mm) 38.8 x 24.8 x 11.3 inches (985.5 x 631.7 x 288.0 mm)	43.2 x 25.1 x 2.9 inches (1098.7 x 638.7 x 73.9 mm) 43.2 x 27.4 x 12.2 inches (1098.7 x 696.6 x 310.5 mm)	44.9 x 26.0 x 2.8 inches (1140.8 x 662.3 x 72.7 mm) 44.9 x 28.3 x 12.2 inches (1140.8 x 719.8 x 310.5 mm)	
Weight Without Stand With Stand	16.5 lbs (7.5 kg) 18.7 lbs (8.5 kg)	20.9 lbs (9.5 kg) 23.1 lbs (10.5 kg)	23.1 lbs (10.5 kg) 25.3 lbs (11.5 kg)	

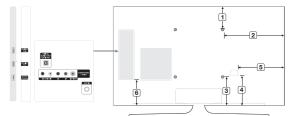
This device is a Class B digital apparatus.

🔊 For information about the power required and more about power consumption, refer to the label attached to the product.

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



(Unit: inches)

Model name	1	2	3	4	5	
UN43J5000	7.2	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.						

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screw specifications, the length of the screws may differ depending on the wall mount specifications. product or cause the product to fall, leading to personal injury. Samsung is not liable for these kinds of accidents. consumer fails to follow the product installation instructions