gures and illustrations in this User Manual are provided for reference nly and may differ from actual product appearance. Product design and

IMPORTANT WARRANTY INFORMATION

REGARDING TELEVISION FORMAT VIEWING See the warranty card for more information on warranty

Wide screen format LED Displays (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 mages 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 screen. The constant display of still pictures can cause ghosting of 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 ermanent 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 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 as Proof of Purchase must be presented to the Service Center.

to and delete channels from your Favorite Channels list.

To delete channels from the **Favorite Channels** list, follow these

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

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

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

■ 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

1. Select a channel in the **Added Channels** list using the ▲/▼

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

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

buttons and the Yellow Select button on your remove

DTV Air 6-1 Once

number keypad on your remote

and time you selected.

Programmed List.

Only Added Channels can be scheduled.

Date Start Time

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,

selected, at the time you selected, from that day on. If

you select **Once**, the TV will turn on once, on the date

on the same day of the week as the start date you

5. Press the ENTERCE button on your remote when done.

Scheduled programs and channels are displayed in the

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

you set Timer Viewing for that program directly.

view the digital program list. If you highlight a program in

the list, and then press the ENTER (Schedule) button.



appears.

appears.

press the ENTER ← button

function to use Timer Viewing

To schedule a channel, follow these steps

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 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

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

Country

Customer Care

Web Site

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 image burn-in (image retention) on the LED screen, which will affect image quality. To reduce the risk of this effect, please follow the 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
- minimum may speed up the burn-in process. Frequently use all TV features designed to reduce image retention and screen burn-in. Refer to proper user manual section for details.

Contact SAMSUNG WORLDWIDE

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Mississauga, Ontario L5N

800-SAMSUNG (726-7864)

amsung.com/ca_fr/

pport (English)

you have any questions or comments relating to Samsung products, ase contact the SAMSUNG customer care center U.S.A

Ridgefield Park, NJ 07660

- Contrast: Increases or decreases the contrast between dark and light areas of the picture
- effective as Backlight ■ Sharpness: Sharpens or dulls the edges of objects
- picture becomes black, white, and gray. ■ Tint (G/R): Adjusts the amount of green and red in the picture
- lecreases and vice versa. When the TV is connected to a PC, you can only make

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Channels)

Fine Tune

manually.

Analog channels only

Setup Menu

□ Setting the Time

Language

button

of the TV.

clock again.

ENTER ☐ again.

digital channel.

If you selected Auto:

press ENTER €.

To set the clock, follow these steps:

1. Select Setup >Time > Clock > Clock Mode

you press the **∧CH∨** button.

■ Add to Favorite/Delete from Favorite: Lets you add channels ■ Channel Name Edit: Analog channels only. Lets you assign a name of up to five characters to an analog channel. For example Hist, Food, Golf, etc. This makes it easier to find and select a

To add channels to the Favorite Channels list, follow these steps: 1. Select one or more channels in the All Channels list using the Select All: Select all the channels in the displayed channel list. ▲/▼ buttons and the Yellow Select button on your remote. ■ Deselect All: Deselect all the selected displayed channels. 2. Press the TOOLS button on your remote. The Tools menu 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 ve scheduled for viewing using the Timer Viewing function. You can view, modify, or delete a show you have scheduled using the using the ▲/▼ buttons and the Yellow Select button on your functions on the **Programmed** List screen Tools menu.

Programmed List Screen Tools Menu TOOLS I

■ Change Info: Change the scheduling information for a show or channel you have scheduled To change the information, follow these steps:

. 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. he Tools Menu appears

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

he **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

5. Press the ENTER ☐ button when done.

■ Cancel Schedules: Cancel a show or channel you have

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.

 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. . 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 ■ Color Tone (Cool / Standard / Warm): Cool makes the picture 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 园) in the lower right side of the screen indicates that a Tools menu is available

The Main menu has seven primary categories:

Input Application 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 n the Source List.

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

Picture Menu

Mode Tools

Picture

Sound

Channel

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.

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

■ Color: Adjusts the color saturation. The higher the Color setting. the more intense the color. Low settings remove color and the

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

changes to Backlight, Contrast, Brightness, and Sharpness.

□ Other Channel Menu Functions

Channel Mode (Added Channels/Favorite

Lets you select the channel list displayed when you press the

^CH∨ (Channel) button on your remote. For example, if you

If the reception is clear, you do not have to fine tune the channel.

operation. If the signal is weak or distorted, fine tune the channel

Fine tuned channels that have been saved are marked with

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

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

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

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

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

DST adjustment. Press ENTER ☐ when done.

when the Clock Mode is set to Auto.

ENTERCE. Select On if you want to turn the DST

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

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

The **DST** and **Time Zone** functions are only available

as this is done automatically during the search and store

Select the channel, and then select Fine Tune.

then select Reset on the Fine Tune screen

instructions, see your Quick Start Guide.

select Favorite Channels, you will only see Favorite channels when

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

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

is set to Dynamic.

top, and bottom are cut off.

(1080i / 1080p) HD signals.

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

1080p), HDMI (720p, 1080j, 1080p)

that may appear on the screen.

picture for optimum quality.

Input Source

right, up, and down

by Input Source are listed below:

nd bottom are cut off.

fits the entire screen

the TVs 16:9 mode most of the time

orders on the right and left of the picture.

Warm is deactivated when the picture mode is set to

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

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

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

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

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 Fit: Displays the full image without any cut-off when

burn) which is not covered by the warranty.

1920x1080) or 720p (1280x720) resolution

screen in 4:3 format may cause image retention (screen

your TV is inputting HDMI (720p / 1080i / 1080p) or Component

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

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

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

horizontally. A magnified or shrunk picture can be moved left

■ 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 /

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

reduce 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 screen

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

dims the screen's backlights when full brightness is not

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).

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

brightness when the TV displays bright scenes.

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

the Digital Clean View feature to reduce any static and ghosting

You can adjust and store settings for each external device you

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

Picture Size

Screen Fit

16:9, Zoom1, Zoom2,

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

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

Cool and Standard are only available when Picture Mode

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 field to field. When done with all the fields, press ENTER . Available only when Clock Mode is set to Manual.

■ Sleep Timer TOOLSE 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

If you selected Manual:

Furns 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 the Contents field, and then oress the ENTERCE button. The Contents screen appears

buttons to change the values in each field. TV/USB: Select TV or USB. The USB device must be connected to your TV before you can select USB

- Antenna: Displays the current antenna source. Air or Cable - Channel: If you have selected TV select the desired channel

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

- Music/Photo: If you have selected USB, follow these steps to select a folder containing MP3 (Music) or JPEG (Photo) files on the USB device: The maximum number of files the TV can display.

including sub folders, in one folder of a USB storage The media may not play smoothly if you use a USB device

rated lower than USB 2.0. 1. Use the **◄/▶** buttons to move to the field under **Music** or the field under **Photo**, and then press the ENTER E button. The TV displays a single folder (the Root folder)

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

and the type or name of the device.

If there are no folders on your device, press the **Yellow** select button to select the Boot folder and then press the RETURN button. The Timer screen Use the ▲/▼ buttons to highlight a folder that contains

music or photos, and then press the Yellow select button to select the folder. 4. Press the RETURN button. The Timer screen re-appears.

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

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

Picture Reset

■ Reset Picture Mode: Resets the picture settings to their factory The SPDIF (Sony Philips Digital InterFace) outputs an

Sound Menu

Mode TOOLS 1

■ 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 Zoom1: Provides moderate magnification of the picture. Sides,

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.

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 ough an external receiver, you may hear a sound echo caused by the difference in decoding speed between the TV's speakers and the speakers attached to your audio receiver. If this occurs, se 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 xternal 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

Preferred Language

Digital channels only

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

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

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

Mono, Stereo or SAP.

SPDIF Output

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 externa 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).

Visual Impaired (digital channels only)

Adds verbal description to the main audio to help the visually

Dolby Digital Comp

Sets Dolby Digital compression mode TV Installation Type

■ Stand / Wall Mount: Ontimize TV sound as installed TV type Adjust TV Sound automatically as stand or wall mount type.

HDMI Audio Format

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

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

Memorizing Channels

Channel Menu

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

Antenna (Air / Cable)

Before your television can memorize the available channels, you nust 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

Auto Program

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

ENTER ☐. The TV will automatically start memorizing channels.

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

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

Memorized channels are added to the Added Channels

need to run the Auto Program function To start Auto Program, follow these steps:

press ENTER . Go to Step 3.

on your cable system.

Clear Scrambled Channel

■ Managing Channels

♥ TV #10

using the ▲ / ▼ buttons to view each list.

Channel List

Channel buttons on your remote.

completed. This process may take up to 20~30 minutes

This function is only available in Cable mode.

♠ Press the ENTER button to stop the Clear Scrambled

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 Channels screen,

ressing the ▲ / ▼ buttons, and then pressing the ENTER

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

Auto

1. Push MENU \blacksquare \rightarrow Channel \rightarrow Auto Program \rightarrow ENTER \blacksquare 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

> 🗷 🗇 (Tools): Displays the Channel List Tools menu. (The Tools menus may differ depending on the situation.

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

Display Icons Used in the Channel List Screens

	If you choose Auto , and then press ENTERLE, the TV will	Icons	Meaning
	automatically select the correct Antenna source. Go to Step 3.		A selected channel.
3.	On the Cable Type screen, use the ✓/►/▲/▼ buttons to select		
	the type of digital and analog cable systems you have: STD, HRC,	•	A Favorite channel.
	or IRC. Most systems are STD (Standard). When done, select Start, and then press ENTER. The TV will start memorizing	<u> </u>	A reserved program.
	channels.	Ğ	A program currently being broadcast.
	Channel memorization can take up to 45 minutes, depending		

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

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

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

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

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

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

appears.

3. Select Add in the Tools menu, and then press the ENTER € All deleted channels will be shown on the All Channels list.

A gray-colored channel indicates the channel has been ted from the Added Channels list.

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

Eco Solution

■ Energy Saving (Off / Low / Medium / High): Lets you adjust the brightness of the TV to reduce power consumption

the minimum screen brightness manually.

surrounding light intensity. This function may not be supported depending on the

being received. Disabled when an attached PC is in power saving mode.

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.

■ Auto Power Off (Off / On): When Auto Power Off is set to

Input Menu

ray players / cable box / STB satellite receiver connected

1. Press the SOURCE button. 2. Select a desired external input source. ■ TV / AV / Component / HDMI1 / HDMI2/DVI

You can only choose external devices that are connected to the TV. In the Source List, connected inputs are highlighted. How to use Edit Name

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

⑤ If you have connected a PC to the HDMI IN 2 (DVI) port with n HDMI cable, you should select PC mode in Edit Name. If you have connected a PC to the HDMLIN 2 (DVI) port with an HDMI to DVI cable, you should select DVI PC mode in Edit

in Edit Name.

Application Menu

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



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

 $\mbox{\ensuremath{\bullet}}$ The file system supports FAT16, FAT32, and NTFS.

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.

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

be supported.

• Do not disconnect the USB device while it is loading

display on the screen.

lot Supported File Format" message appears. The TV cannot play MP3 files with DRM that have been downloaded from a for-pay site. Digital Rights Management

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

If an over-power warning message is displayed while you are

□ Other Features

Voice Guide (On/Off) You can activate voice guides that describe the menu options aloud locks. You can also Allow All or Lock All. When done, press the

aid the visually impaired. ■ Voice Guide: Enable or disable the Voice Guide feature. Voice Guide is provided in the current language.

■ Pitch: Set the pitch of the voice guide. ■ Speed: Set the speed of the voice guide.

■ Volume: Set the volume 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:

• If you display the TV menu in **Game Mode**, the screen shakes Game Mode is not available when the input source is set to TV.

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

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

How It Works

are watching.

Anglophone Canadian ratings.

Locking/Blocking Programs or Movies

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 atings. To access the **Program Rating Lock** feature and make any changes, you must enter a PIN (personal identification number). To watch a blocked program, you must also enter the same PIN.

Program Rating Lock is not available in HDMI or Componen 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.

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

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

When the Rating Lock screen appears, select Program Rating Lock,

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

The Motion Picture Association of America (MPAA) has implemented a rating system that provides parents or guardians with advanced mation on which films are appropriate for children ■ Canadian English: You can block TV programs based on their

■ 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.

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.

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

RETURN button on your remote ■ 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 in the Confirm New PIN fields. When the Change PIN screen disappears, press the OK button. The TV has memorized your

new PIN. If you forget the PIN, press the remote-control buttons in the following sequence, which resets the pin to "0-0-0-0"

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

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

Caption (On-Screen Text Dialogue)

large. The default is Standard

Solid, and Flashing.

captions are not available, they will not be displayed on the The Caption feature does not work in Component or HDMI mode. ■ Caption Mode: You can select the desired caption mode

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

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

Analog Caption function operates in either analog TV channel

TV. (Depending on the broadcasting signal, the Analog Caption function may or may not work with digital channels.) Default / Service1~Service6 / CC1~CC4 / Text1~Text4:

digital channels Service1~6 may not be available in digital caption mode depending on the broadcast ■ Digital Caption Options: (Digital channels only)

Size: Options include Default, Small, Standard, Large, and Extra

Font Style: Options include Default and Styles 0 to 7. The default Foreground Color: Options include Default, White, Black, Red. Green, Blue, Yellow, Magenta, and Cyan. You can change the color of the letters. The default is White. Background Color: Options include Default, White, Black, Red.

Green, Blue, Yellow, Magenta, and Cvan, You can change the

background color of the captions. The default is **Black**.

Window Color: Options include Default, White, Black, Red, Green, Blue, Yellow, Magenta, Cyan. Default is Black. Foreground Opacity: This adjusts the opacity of text. Options include Default, Transparent, Translucent, Solid, and Flashing. Background Opacity: This adjusts the opacity of the caption background. Options include Default, Transparent, Translucent,

Window Opacity: This refers caption to window background, not

Translucent, Solid, Flashing. Default is Transparent. Edge Type: Options include No Edge, Raised, Depressed Uniform, Drop Shadow. Default is No Edge. Edge Color: Options include Default, White, Black, Red, Green Blue, Yellow, Magenta, Cyan. Default is White Return to Default: This option sets Size, Font Style, Foreground Color Background Color, Window Color, Foreground Opacity

Background Opacity, Window Opacity, Edge Type, and Edge

character background. Options include Default, Transparent,

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

Boot Logo

on the TV.

■ Eco Sensor (Off / On): To enhance your power savings the icture settings will automatically adapt to the light in the roor Min. Backlight: When Eco Sensor is On, you can adjust

If Eco Sensor is On, the display brightness may change (become slightly darker in most cases) depending on the

odel or geographical area. ■ No Signal Power Off (Off / 15 min. / 30 min. / 60 min.): Sets how quickly the TV switches to standby mode, if no picture is

On, the TV will automatically turn off when no user operation is

Source List Use to select TV or other external input sources such as DVD / Blu3. Press the ◀ or ▶ button to select an icon (Videos, Music,

Edit Name lets you associate a device name to an input source, naking it easier to select a source. To access Edit Name, enter the Input menu, and then select Edit Name. Select the name of the HDMI 2, select Blu-ray player from the drop down next to HDMI 2

If you have connected an AV device to the HDMLIN 2 (DVI) port with an HDMI to DVI cable, you should select DVI mode

□ Connecting a USB Device Turn on your TV. 2. Connect a USB device containing photo, music, and/or movie



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

Photos, Settings), and then press the ENTER ☑ but

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

port, USB HDD is not supported. Before connecting your device to the TV, please back up your

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

(DRM) is a technology that supports the creation, distribution and management of digital content in an integrated and comprehensive way, including protecting the rights and interests

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

■ Channels: Shows all currently available channels including

■ **Favorite Channels**: Shows all favorite channels.

Programmed: Shows all channels and programs currently

scheduled using Timer Viewing.

those you deleted from the Added Channels list.

Remote control buttons active on the Channel List screen. . Green (Zoom): Enlarges or shrinks a channel number.

Yellow (Select): Move the cursor to a channel. Press the Yellow button to select the channel. A \checkmark mark appears. Repeat to select additional channels. Then, open the Tools menu and apply a function to the channels you selected.

☐ The Channel List Tools Menu TOOLS ☐

list. These are the channels you will see when you use the channel, and then press the TOOLS button. This function filters out scrambled channels after Auto Program is

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

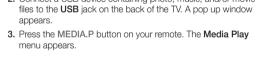
3. Select **Delete** in the Tools menu, and then press the **ENTER**

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

You add channels back to the Added Channels list on the All Channels list.

The Add menu option only appears for deleted channels

USB Mass Storage Class (MSC) device.





Press the MENU button. Then, press the ▲ or ▼ button t

Media Play might not work properly with unlicensed Read the list below before using Media Play (USB)

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

• 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

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

connecting or using a USB device, the device may not be recognized or may malfunction.

To add channels to the **Added Channels** list, follow these steps: . Select one or more channels in the All Channels list using the





- 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
- JSB device or may not be able to read the files on the device. If a USB device connected to the TV is not recognized, the list of files on the device is corrupted, or a file in the list is not played, connect the USB device to a PC, format the device, and check
- If a file you deleted from the PC is still found when you run Media Play, use the "Empty the Recycle Bin" function on the PC to
- permanently delete the file. Photos only supports the sequential jpeg format.
- The Videos option does not support the scene search and thumbnail functions.
- If the number of files and folders saved on a USB storage device is over approximately 4000, the files and folders may not appear and some folders may not open
- The maximum 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



- 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

-	Externa

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

Trouble Powering On

Stand Assembly

Poor Picture

Cannot find a channe

error, small block, dots, pixelization.

The color is wrong or missing.

There is poor color or brightness

The picture is black and white

the screen.

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

inappropriate noise

No Picture, No Video

The TV will not turn on

The TV turns off automatically

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

Supported Video Formats

	File Extension	Container	Video Codec	Resolution	Frame rate(fps)	Bit rate (Mbps)	Audio Codec
			Motion JPEG	640 x 480		8	
			H.264 BP/ MP/HP				
	*.avi *.mkv *.asf	AVI	H. 264 BP / MP / HP	MAX 30			Dolby Digi LPCM ADPCM (IMA, MS AAC HE-AAC WMA Dolby Digi
	*.wmv *.mp4 *.mov	.mp4 MKV .mov ASF .3gp MP4 .3gpp 3GP .mpg MOV .ts VRO .ts VRO .ts VOB	DivX 3.11 / 4 /5/6		MAX 30		
	*.3gpp *.mpg		MPEG4 SP/ ASP				
	*.ts *.tp		Window Media Video v9(VC1)				
	*.trp *.mov *.flv *.divx *.dat	PS TS	MPEG2			LBR) G.711(A Law, µ-La	
			MPEG1				

*.webm WebM VP8 1920 x 1080 6~30 20 Vorbis Other Restrictions

- Codecs may not function properly if there is a problem with the
- Video content will not play or will not play correctly if there is an error in the content or container.
- 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
- When the TV is playing video over a network connection, the video may not play smoothly because of data transmission
- Some USB/digital camera devices may not be compatible with
- When the TV is playing a video at a bit rate of 10 Mbps or higher, the menu screens may be displayed slowly.

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 WMA 10 Pro supports up to 5.1 channels. Supports up to the M2

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

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

• 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

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

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

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

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

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

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

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

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

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

If you are using an external device, check the device's audio output option Ex. you may need to change your cable box's audio option to HDMI if the box is connected to your TV using an HDMI cable.

• 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

ou have a cable or satellite box, your TV may appear to be off because the cable or satellite box is not outputting a

efore making a call to the service department.

keyboard or move the mouse. Then try turning your TV on.

Go to MENU - Support - Self Diagnosis - Picture Test

deliver HD (high definition) picture quality.

scaled SD content is low.

The TV image does not look as good as • If you have an analog cable/satellite box, upgrade to a digital set top box. Use HDMI or Component cables to

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

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

The picture is distorted has macroblock • Compression of video contents may cause picture distortion, especially on fast moving pictures such as those in

• 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

· Change the cable/satellite box resolution

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

and 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.

If the TV turns on, refer to 'Remote control does not work' below.

If your PC is connected to the TV, check your PC power settings

• Ensure the Sleep Timer is set to Off in the Time menu.

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

• 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.

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

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

• Perform the **Sound Test** as explained above.

Make sure the wall outlet is working.

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

• 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.

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

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



- 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 1. With the folders on your USB device displayed, use the
- 3. Press the ENTER

 button or

 (Play) button.
- During music playback, you can search using the
 and Significant states of the second states of the 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.)

- 1. In the Media Play menu, press the

 or

 button to select Photos, then press the ENTER ☐ button.
- 2. Press the **◄/▶/▲/▼** buttons to select a photo in the file list.
- 3. Press the ENTER button or ► (Play) button. 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 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.
- 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		
JPEG	Progressive	1024 x 768		
Other Bestrictions				

Otner Restrictions

CMYK_YCCK Color space .IPEG are not supported.

Playing Multiple Files

RF (Cable/Antenna) Connection

No Caption on digital channels.

Others

The picture is distorted: macroblock error, small block, dots, pixelization.

Purple/green rolling horizontal bars and

buzzing noise from the TV speakers wit

Component cable connection

The remote control does not work.

does not turn the TV on or off, or adjust

A "Mode Not Supported" message

There is a plastic smell from the TV.

TV is tilted to the right or left side.

Your settings are lost after 30 minutes or

You have intermittent loss of audio or

The Channel menu is grev out

every time the TV is turned off.

(unavailable).

The TV is not receiving all channels.

■ Playing selected video/music/photo files

- 1. On the File List screen, highlight a file, and then press the Yellow button on your remote
- 2. Repeat Step 1 to select multiple files
- NOTE • A \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
- 2. Press the TOOLS button, select Play Folder, and then press the ENTER € button.

Media Play - Additional Functions

When playing a file, press the TOOLS button.

◄/►/▲/▼ buttons to highlight a folder.

Category	Operation	Videos	Music	Photos
Title	You can select another video file to play directly.	~		
Repeat Mode	You can play movie and music files repeatedly.	~	~	
Picture Size	You can adjust the picture size to your preference.	~		
Picture Mode	You can adjust the picture setting.	✓		✓
Sound Mode	You can adjust the sound setting.	~	✓	~
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.	✓	✓	~

All care protection (Depending on the country and model.)

- All care protection will update Picture quality every 5,000 hours. 2. All care protection popup menu will show every 5,000 hours, Max 3 times (5.000/10.000/15.000 hours.)
- 3. The notification or popula menu will be closed by timeout (30 sec.) or electing any key on the remote except power key
- When user turns the power off and then on again, popup menu Popup menu is provided only 3 times including initial popup
- Popup menu will show only at TV on time.

• Check the cable connections. (Remove and reconnect all cables connected to the TV and external devices

• Be sure to select the correct input source by pressing the SOURCE button on the remote control.

Reboot the connected device by unplugging and then reconnecting the device's power cable.

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.

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)

Compression of video contents may cause picture distortion, especially on fast moving pictures such as those in sports and action movies.

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.

Black bars on the top and bottom appear when movies that have aspect ratios different from your TV play on the

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

If TV is in the Store Demo mode, it will reset audio and picture settings every 30 minutes. Please change from

• 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

Store Demo mode to Home Use mode using the Plug & Play procedure. Press the SOURCE button to select

• Make sure your connected devices are powered on.

• Make sure the coaxial cable is connected securely

Verify the antenna is positioned co

resolution settings in this manual.

Some channels may not have caption data

Run Auto Program to add available channels to the channel list.

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

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.

• Try pointing the remote directly at the TV from 5~6 feet away.

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

• Caption must be activated on the external device.

This smell is normal and will dissipate in a few days.

TV Signal Strength is unavailable in the . This function is only available for digital channels received through an Antenna / RF/Coax connection

· Remove the stand base from the TV and reassemble it

Check the cable connections and reconnect them.

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

TV mode, go to MENU \rightarrow Setup \rightarrow Plug & Play \rightarrow ENTER \sqsubseteq

• Check the Caption Setup menu. Try changing Caption Mode Service1 to CC1.

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

Clean the transmission window located on the top of the remote control.

The cable/set top box remote control

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

Replace the remote control's batteries. Make sure you insert them with the polarity (+/-) correct

Storage and Maintenance

Using the Setup Menu

gistration is completed.

Select a part to zoom it in.

Support Menu

follow the directions on the screen

set to Stadium automatically

USB device.

other sports.

is turned off.

Self Diagnosis

on the screen

PIN option

Use Mode

Software Upgrade

setting Use Mode to Store Demo

HD Connection Guide

Contact Samsung

For all other uses, select Home Use

■ 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

Tor more information on DivX® VOD, visit "http://vod.divx.

■ Information: Select to view information about the connected

This mode provides optimized conditions for watching soccer and

• A (Zoom): Pauses playback and divides the picture into 9 parts

When **Soccer Mode** is **On**, the picture and sound modes are

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

■ Sound Test: Use the built-in melody sound to check for sound

■ Signal Strength: (Digital channels only) An HD channel's

Adjust your antenna to increase signal strength.

■ Reset: Reset all settings to the factory defaults.

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

problems. If the problem occurs during the test, select Yes and

reception quality is either perfect or the channels are unavailable

The PIN input screen appears before the setup screen.

Software Upgrade can be performed by downloading the latest

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

With 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 the

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

irmware from samsung.com to a USB memory device.

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

☐ Using Soccer Mode TOOLS ☐

🖎 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



Do not spray water directly onto the product. Any liquid that goes into the product may cause a failure, fire, or electric shock.



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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HDMI

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Manufactured under license from Dolby Laboratories. Dolby, Dolby Audio, Pro Logic, and the double-D

Open Source Announcemen

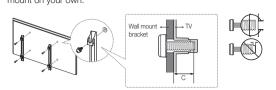
To send inquiries and requests for questions regarding open sources, contact Samsung via Email (oss.request@samsung.com).

Other Information

Installing the Wall Mount Kit

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

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



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. Soccer Mode is on, Soccer Mode

Soccer When attaching to other building materials, please contact you 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
- The Samsung wall mount kit contains a detailed installation
- nanual 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 or do not comply with the VESA standard screw specifications. Screws that are too long may cause damage to the inside of the
- For wall mounts that do not comply with the VESA standard screw specifications, the length of the screws may differ
- depending on the wall mount specifications.

 Do not fasten the screws too firmly. This may damage the
- product or cause the product to fall, leading to personal injury
- Samsung is not liable for these kinds of accidents. Samsung is not liable for product damage or personal injury

- when a non-VESA or non-specified wall mount is used or the consumer fails to follow the product installation instructions.
- Do not mount the TV at more than a 15 degree tilt.
 Always have two people mount the TV on a wall.

Standard dimensions for wall mount kits are shown in the table below. If you are installing a third-party wall mount, note that the length of the screws you can use to attach the TV to the wall mount is shown in column C in the table below.

Product Family	specs (A * B) in		C (mm)	Standard Screw	Quantity	
ED-TV	32	100 x 100	20.9-21.9	M4	4	
		your TV	nstall your Wall is turned on. It I injury due to e	may result i	n	

To prevent the TV from falling

the brackets.

Since the necessary brackets, screws, and string or cable are ot supplied, pleasé purchase these separat

We strongly recommend you drive the screws into a stud.

2. Insert the screws through the TV brackets, and then fasten the

screws to the top VESA screw holes on the back of the TV.

Verify all connections are properly secured. Periodically check

the connections for any sign of fatigue or failure. If you have any doubt about the security of your connections, contact a professional installer.

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.

Caution: Pulling, pushing, or climbing onto the TV may cause the TV to fall. In particular, ensure that your

When you have to relocate or lift the TV for replacement or

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 described in

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

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

- 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. 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.
 - Refer to the manual provided with the Kensington Lock for additional information on proper use.
 - Please find a "\(\overline{\ove is beside the "\mathbb{m}" icon.
- 3. Connect the brackets on the TV and the brackets on the wall with a strong string or cable, and then tie the string or cable tightly to The position and color may differ depending on the model.

Display Modes (HDMI/DVI Input)

Kensington Lock

Mode	Resolution	Horizontal Frequency (KHz)	Vertical Frequency (Hz)	Pixel Clock Frequency (MHz)	Sync Polarity (H / V)	1366 x 768
IBM	720 x 400	31.469	70.087	28.322	-/+	√
MAC	640 x 480	35.000	66.667	30.240	-/-	√
	832 x 624	49.726	74.551	57.284	-/-	√
VESA DMT	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	-/-	✓
1	1024 x 768	60.023	75.029	78.750	+/+	√
	1280 x 720	45.000	60.000	74.250	+/+	✓
İ	1360 x 768	47.712	60.015	85.500	+/+	✓
Ì	1366 x 768	47.712	59.790	85.500	+/+	✓

- The interlace mode is not supported
- The set might operate abnormally if a non-standard video format is selected.
- Optimal resolution depends on your model.

Troubleshooting

cleaning, be sure not to pull out the stand.

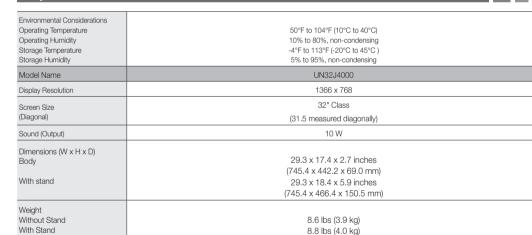
the next column.

Securing the TV to the Wall

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.
	$\bullet \ \text{Energy saving} : MENU \to Setup \to Eco \ Solution \to Energy \ Saving \to Select \ Settings$
	$\bullet \ Eco \ Sensor : MENU \to Setup \to Eco \ Solution \to Eco \ Sensor$
	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, labeled Pb, Pr, and Y, to connect your TV and video source, make sure you have connected the blue Pb jack on the video source to the blue Pb jack on the TV, the red Pr jack on the source to the red Pr jack on the TV, 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.
	$\bullet \ Sleep Timer : User Menu \to Setup \to Time \to Sleep Timer$
	If the Sleep Timer is not activated, you may have engaged the No Signal Power Off or Auto Power Off feature.
	$\bullet \ \ \text{No Signal Power Off: User Menu} \rightarrow \text{Setup} \rightarrow \text{Eco Solution} \rightarrow \text{No Signal Power}$
	$ \bullet \ \text{Auto Power Off : User Menu} \to \text{Setup} \to \text{Eco Solution} \to \text{Auto Power Off} $

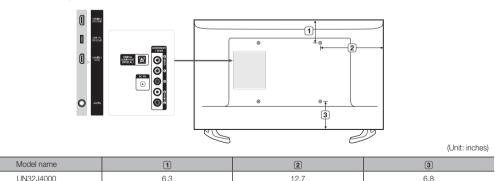
Specifications



Design and specifications are subject to change without prior notice.

- This device is a Class B digital apparatus
- Solution For information about the power required and more about power consumption, refer to the label attached to the product National 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



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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This is part of the product's design and is not a defect. closely at the edge of the frame of 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 be a few bright or dark pixels on the screen. These pixels will have no impact on the performance of the product. Sourcan 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.