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

### Important Warranty Information Regarding Television Format Viewing

See the warranty card for more information on warranty terms. Wide screen format PDP 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 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 for more than 5% of total viewing time can cause uneven aging of your PDP display and leave subtle, but permanent burned-in ghost mages in the PDP picture. To avoid this, vary the programming and image and primarily display full screen moving images, not stationary patterns or dar bars. On PDP models that offer picture sizing features, use these controls to view different formats as a full screen picture.

Be careful in the selection of television formats you use for viewing and the amount of time you view them. Uneven PDP 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

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 herei SAMSUNG will additionally provide Warranty Repair Service in the United St 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. Transportation to and from the Service Center is the responsibility of the purchaser. Conditions covered are limited only to manufacturing defects in material or workmanship, and only those encountered in normal use of the product.

Excluded, but not limited to, are 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

### Important User Information Screen Image retention

Do not display a still image (such as that from a video game) on the plasma display panel for more than a few minutes. Still images can cause screen image retention (burn in). To avoid such image retention, reduce the degree of brightness and contrast of the screen when displaying a still image.

Heat on the top of the Plasma TV The top side of the TV may become hot after long periods of use as heat This is normal and does not indicate any defect or operational failure of unit

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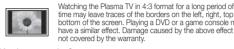
However, children should be prevented from touching the upper part of

The TV is making a 'cracking' noise

A 'cracking' noise may occur when the TV contracts or expands due changes in the surrounding environment such as temperature or humidity. This is normal and not a defect. Cell Defects

Your plasma TV has a panel containing 2,360,000 (HD-level) to 6,221,000 (EHD-level) pixels which require sophisticated technology to produce lowever, there may be a few bright or dark pixels on the screen. These pixels will have no impact on the performance of the product.

 Avoid operating the TV at temperatures below 41°F (5°C) A still image displayed too long may cause permanent damage to the



watching the Plasma TV III 4.3 format for a long period of time may leave traces of the borders on the left, right, top, or bottom of the screen. Playing a DVD or a game console may have a similar effect. Damage caused by the above effect is

Displaying still images from Video games or a PC for longer than a certain

period of time may produce partial after-images. To prevent this effect, reduce the 'brightness' and 'contrast' when displaying still images for a

Warranty does not cover any damage caused by image retention. Caution

e glass screen of your PDP TV can break if you accidently drop the TV. Handle

he TV with care. When moving the TV, always have two or more people pick it ip and carry it as a safety precaution. Do not lay the TV flat on its face or back.

- 1	Contact SAMSUNG WORLDWIDE
	If you have any questions or comments relating to Samsung products, pleas SAMSUNG customer care center.

Country	CANADA	U.S.A.		
Address	Samsung Electronics Canada Inc., Customer Service 55 Standish Court Mississauga, Ontario L5R 4B2 Canada	Samsung Electronics America, Inc. 85 Challenger Road Ridgefield Park, NJ 07660		
Customer Care Center 2	1-800-SAMSUNG(726-7864)			
Web Site	www.samsung.com/ca (English) www.samsung.com/ca_fr (French)	www.samsung.com		

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

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

4 Use the **◄/▶** buttons to move from entry field to entry field

and the ▲/▼ buttons to change the entries. Where numbers

are displayed, you can also enter numbers directly using the

If you select Everyday or Every Week, the date you

select in the Date field becomes the start date for your

scheduled viewing. For **Everyday**, the TV will turn on

every day, at the time you selected, starting from that

date. For Everyweek, 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

Press the ENTER button on your remote when

Scheduled programs and channels are displayed in the

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

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

Only Added channels can be scheduled.

ENTER button. The Time Viewing screen appears.

Antenna Channel Repeat

DTV Air 6-1 Once

Date Start Time

01-01-2012 12:01 am

number keypad on your remote.

and time you selected.

Programmed List.

appears.

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

# Display Icons Used in the Channel List Screens

		automatically at a set time, even when you are watching another
Icons	Meaning	channel. You must set the current time first in the Time > Clock
✓	A selected channel.	function to use <b>Time Viewing</b> .
•	A Favorite channel.	<ul> <li>To schedule a channel, follow these steps:</li> <li>1. Select a channel in the Added Channels list using the ▲/▼</li> </ul>
<b>©</b>	A reserved program.	buttons and the Yellow Select button on your remote.
台	A program currently being broadcast.	Press the TOOLS button on your remote. The Tools menu appears.
	✓ • •	<ul> <li>✓ A selected channel.</li> <li>✓ A Favorite channel.</li> <li>⊙ A reserved program.</li> </ul>

## ☐ The Channel List Tools Menu TOOLS ☐

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

The Channel List Tools menu contains most of the functions you

can use on the All Channel. Added Channels. and Favorite List

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

Added Channels list.

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

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

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

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

To add channels to the Added Channels list, follow these steps: 1. Select one or more channels in the All Channels list using the ▲/▼ buttons and the Yellow Select button on your remote.

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

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

You add channels back to the Added Channels list on the All Channels list. A gray-colored channel indicates the channel has been

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

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

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

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

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

ENTER button.

press the ENTER button.

appears.

deleted from the Added Channels list. the list, and then press the ENTER (Schedule) button, you set Timer Viewing for that program directly. The Add menu option only appears for deleted channels.

■ Select All: Select all the channels in the displayed channel list. ■ Add to Favorite/Delete from Favorite TOOLS : Lets you add ■ Deselect All: Deselect all the selected displayed channels. channels to and delete channels from your **Favorites** list. To add channels to the Favorites list, follow these steps:

Nou can only select **Deselect All** when one or more channels are selected.

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

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

can view, modify, or delete a show you have scheduled using the

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

functions on the Programmed List screen Tools menu. Programmed List Screen Tools Menu TOOLS 和 TOOLS A TOO

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

 Picture Sound

is available.

Setup

 Application Channel Support

The Main menu has seven primary categories:

The On Screen Menus

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

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

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

a selected number of frequently used menu options that change

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

(元) in the lower right side of the screen indicates that a Tools menu 

Color Space (Auto / Native): Auto automatically matches the

range of colors available to create pictures to the color range of

the video source. Native provides a color range wider than the

■ White Balance: Adjusts the color temperature of the picture so

that white objects look white (instead of, for example, slightly

pink or slightly yellow) and the overall color of the picture looks

R-Offset / G-Offset / B-Offset: Adjusts each color's (red.

R-Gain / G-Gain / B-Gain: Adjusts each color's (red, green,

Reset: Resets the White Balance to it's default settings.

■ Dynamic Contrast (Off / Low / Medium / High): Adjusts the

■ Black Tone (Off / Dark / Darker / Darkest): Selects the black

■ Flesh Tone: Adjusts the amount of red in skin tones.

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

adjusts the brightness of the screen in response to the

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

level to adjust the screen depth. Darker settings make blacks

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

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

■ Color Tone (Cool / Standard / Warm1 / Warm2): Cool makes

Warm1 and Warm2 are deactivated when the picture

■ 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

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

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

Zoom1: Provides moderate magnification of the picture. Sides,

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

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

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

Traces of borders displayed on the left, right and center of

the screen may cause image retention (screen burn) which

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

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 available

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

by Input Source are listed above and to the right:

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 DST (Daylight Savings Time), and then press

the Clock Mode is set to Auto.

• Select **Time Zone**, and then press the **ENTER** dutton.

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

to DST automatically. Press ENTER when done.

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

change the values in each field or use the number buttons to

enter the values directly. Use the ◀/▶ buttons to move from

field to field. When done with all the fields, press ENTER 4.

Available only when Clock Mode is set to Manual.

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

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

◄/► buttons to move from field to field. Use the ▲/▼ buttons

the setting you have chosen, set the Activate/Inactivate field to

to change the values in each field. To activate the timer with

DST adjustment. Select **Auto** if you want the TV to adjust

DST and Time Zone function are only available when

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

instructions, see your Quick Start Guide.

the picture bluer (cooler). Warm 1 and Warm 2 make the picture

color range of the video source.

green, blue) darknes

dim light, the screen dims.

mode is set to **Dynamic** 

top, and bottom are cut off.

fits the entire screen.

the TV's 16:9 mode most of the time.

borders on the right and left of the picture.

is not covered by the warranty.

(1080i / 1080p) HD signals.

Setup Menu

Language

Time

of the TV.

clock again.

ENTER again.

digital channel.

If you selected Auto:

press ENTER .

If you selected Manual:

60, 90, 120, 150 and 180 minutes).

Timer 1 / Timer 2 / Timer 3

You must set the clock first.

■ Volume: Set the desired loudness

To cancel the Sleep Timer, select Off.

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

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

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

■ Sleep Timer TOOLS 5

To set the clock, follow these steps:

Select Setup >Time > Clock.

Set the menu language

 $\hfill \square$  Setting the Time

**Picture Options** 

redder (warmer).

■ Gamma: Adjusts the primary color intensity.

Available in Standard mode only.

blue) brightness

look darker.

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

Input

The menu options that appear in the Main menu depend on the Source you have selected. For example, if you have selected the HDMI source, the Channel category will not appear. To see the Channel category, you must first select TV in 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 TOOLS₁□

Select your preferred picture mode

 $\ensuremath{\,^{\bowtie}\,}$  When your TV is connected to a PC, you can only select Entertain and Standard.

■ Dynamic: Brightens the screen. Suitable for a bright room. ■ Standard: Suitable for a normally lit room

■ Movie: Darkens the screen, making it less glary. Suitable for vatching movies in a darkened roor

■ Entertain: Sharpens the picture. Suitable for games Only available when the TV is connected to a PC.

Cell Light / Contrast / Brightness / Sharpness / Color / Tint (G/R)

■ Cell Light: Adjusts the brightness of the screen by adjusting the orightness 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 Cell Light.

■ Sharpness: Sharpens or dulls the edges of objects. ■ Color: Adjusts the color saturation. The higher the Color setting the more intense the color. Low settings remove color and the picture becomes black, white, and gray.

■ Tint: Adjusts the amount of green and red in the picture. As you increase the amount of green, the amount of red decreases and vice versa.

When the TV is connected to a PC, you can only make changes to Cell Light, Contrast, Brightness, and

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

Channel List screen, and then press the ENTER → button.

entry you want to change, and then press the TOOLS button.

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

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

4. Use the 
✓/▶ buttons to move from entry field to entry field

■ 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.

entry you want to cancel, and then press the TOOLS button.

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

3. Select Cancel Schedules, and then press the ENTER

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

I. Select the **Programmed** List icon on the left side of the

The **Time Viewing** Information screen appears.

4. Select Change Info and press the ENTER button

to change information, or select **Close** and press the

ENTER button to close the Information screen.

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

☐ Other Channel Menu Functions

Channel Mode (Added Channels/Favorite

ets you select the channel list displayed when you press the

select Favorite Channels, you will only see Favorite channels when

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

Sine 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

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.

**∧CH**✓(Channel) button on your remote. For example, if you

have scheduled. You can also change the schedule Information.

Channel List screen, and then press the ENTER button.

entry you want information for, and then press the TOOLS

ect Information, and then press the ENTER 🔫 button

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

button. The Cancel Schedule screen appears.

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

button. The Tools Menu appears.

channels in the channel list.

you press the ACHV button.

in the channel banner.

Analog channels only.

Channels)

Fine Tune

and the ▲/▼ buttons to change the entries. Where numbers

are displayed, you can also enter numbers directly using the

To change the information, follow these steps:

The **Time Viewing** screen appears.

number kevpad on your remote.

The Tools Menu appears

scheduled.

5. Press the ENTER button when done.

The Tools Menu appears.

### Advanced Settings Input Source vailable in Standard and Movie mode only. Compared to previous models, new Samsung TVs offer a more 16:9. Zoom1 ATV, AV, Component (480i, 480p) precise picture with more precise controls. When your TV is connected to a PC, you can only make DTV (1080i, 1080p), Component (1080i, 16:9, Wide Fit, changes to Gamma and White Balance. 1080p), HDMI (720p, 1080i, 1080p) 4:3, Screen Fit

■ Digital Noise Filter (Off / Low / Medium / High / Auto) : If the padcast signal received by your TV is weak, you can activate the Digital Noise Filter feature to reduce any static and ghosting a better listening experience for the hearing impaired. that may appear on the screen.

When the signal is weak, try all the Digital Noise Filter options until the TV displays the best picture.

■ HDMI Black Level (Normal / Low): For HDMI signals, select the black level to adjust the screen depth. Low make blacks look Available only in HDMI mode (RGB signals).

■ Film Mode (Off / Auto): Sets the TV to automatically sense and

process film signals from all sources and adjusts the picture for optimum quality. Available in ATV, DTV (interlace), AV, COMPONENT (480i /

1080i) and HDMI (480i / 1080i). ■ Screen Burn Protection: To reduce the possibility of screen

technology. Pixel Shift moves the picture slightly on the screen. The Time function setting allows you to program the time between movement of the picture in minutes. • Pixel Shift (Off / On): Using this function, you can set the TV multichannel formats.

to move pixels minutely on the PDP screen in a horizontal overtical direction to minimize after images on the screen. Available Pixel Shift Settings and Optimum Settings

	Available Settings	Optimum Settings
Horizontal	0~4 (pixels)	4
Vertical	0~4 (pixels)	4
Time (minute)	1~4 min	4 min

The Pixel Shift value may differ depending on the monitor size (inches) and mode. This function is not available in the Screen Fit mode

Your TV also has the following additional screen burn protection functions: • Scrolling: This function removes after-images on the screen

by illuminating all the pixels on the PDP according to a pattern. Use this function when there are after images or symbols on he screen, especially when you displayed a still image on the screen for a long time. The after-image removal function has to run a long time

(approximately 1 hour) to remove after-images on the screen effectively. If the after-image is not removed after you run the function, run the function again. Press any key on the remote control to cancel this

• Side Grey (Dark/Light): Lets you select the color of the sidebars your TV displays when you set the screen size to 4:3.

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

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

the ▲/▼ buttons to change the values in each field

connected to your TV before you can select USB.

the USB device:

appears.

re-appears.

device lower than USB 2.0.

the type or name of the device.

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

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

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

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

and then press the ENTER button. The Contents screen

appears. Use the </

/▶ buttons to move from field to field. Use

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

The maximum displayed number of files, including sub

folders, in one folder of USB storage device is 2000.

The media may not be playing smoothly when using the

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

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

If there are no folders on your device, press the

3. Use the ▲/▼ buttons to highlight a folder that contains

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

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

When you finished making all your selections on the Timer screen,

day, highlight it, and then press the ENTER d button.

The Program Rating Lock feature lets you block programs

vou've determined are inappropriate for your children based or

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

Program Rating Lock is not available in HDMI or

set your own PIN using the  ${\bf Change\ PIN}$  function.

feature and make any changes, you must enter a PIN (personal

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

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

When you access the Program Rating Lock Menu functions for

time you access the Program Rating Lock functions, the PIN

screen will appear and you must enter a PIN.

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

press either the ENTER or RETURN button.

Other Features

enter the same PIN.

Component mode

**Program Rating Lock** 

want to activate the timer by using the </

✓/> buttons to highlight

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

or the field under Photo, and then press the ENTER

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

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

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

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

# Sound Menu

### ■ Standard: Selects the normal sound mode.

■ Music: Emphasizes music over voices.

■ Movie: Provides the best sound for movies.

■ Clear Voice: Emphasizes voices over other sounds.

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

Equalizer

Available in Standard sound mode only.

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

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

■ Reset: Resets the equalizer to its default settings

SRS TruSurround HD (On/Off) Available in Standard sound mode only

SRS TruSurround HD is a patented SRS technology that solves burn, this unit is equipped with Pixel Shift screen burn prevention the problem of playing 5.1 multichannel content through two speakers. TruSurround delivers a compelling, virtual surround sound experience through any two-speaker playback system including internal television speakers. It is fully compatible with all

### **Preferred Language**

Digital-TV broadcasts can transmit many audio tracks

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

broadcast.

simultaneously (for example, simultaneous translations of a progran

### **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.

### **Auto Volume**

Because each station has its own broadcasting conditions, the volume may fluctuate each time you change the channel. This feature automatically adjusts the volume of a channel by lowering the sound output when the modulation signal is high or by raising the sound output when the modulation signal is lov

## **SPDIF Output**

children are watching.

Anglophone Canadian ratings.

RETURN button on your remote.

has memorized your new PIN.

Game Mode (On/Off)

(On-Screen Text Dialogue)

be used while watching DTV channels.

Locking/Blocking Programs or Movies

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

French Canadian ratings.

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

Canadian English: You can block TV programs based on their

4. Press the RETURN button. The Timer screen re-appears. ■ Change PIN: The Change PIN screen will appear. Choose any

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

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

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

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

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

ENTER key again. Depending on what type of programs or

■ TV Parental Guidelines: You can block TV programs based

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

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

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

with advanced information on which films are appropriate for

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

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

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

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

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.

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

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

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

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

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

When you connect a game console such as a PlayStation™

experience by turning on the Game Mode function.

Precautions and limitations for game mode:

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

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

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

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

• If you display the TV menu in Game Mode, the screen shakes

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

After connecting the game console, set Game Mode to On

You may notice slightly reduced picture quality.

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

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

The Caption feature does not work in Component or

implemented a rating system that provides parents or guardians

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

> ■ Caption Mode: You can select the desired caption mode. Default / CC1~CC4 / Text1~Text4: (analog channels only) The

By connecting the TV to a receiver or home theater with

Dolby Digital and 5.1ch speakers and selecting Dolby

Digital, you can maximize your interactive 3D sound

■ 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

If you are listening to the sound track of a broadcast or movie

through an external receiver, you may hear a sound echo caused

by the difference in decoding speed between the TV's speakers

When you set Speaker Select to External Speaker, the

When Speaker Select is set to External Speaker, the

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

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

the channels that were available over the air or through your cable system and added them to the **Channel List**. The **Antenna** and

nemorization function without having to re-run the Plug & Play

Before your television can memorize the available channels, you

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

elected the signal source, go on to the Auto Program function.

Selecting the signal source using the **Antenna** function also

determines the signal source the TV is tuned to. For example

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

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

1. Push MENU  $\blacksquare \hspace{-0.1cm} \blacksquare \to \hspace{-0.1cm} \hspace{-0.1cm} \hspace{-0.1cm} \hspace{-0.1cm} \blacksquare \to \hspace{-0.1cm} \hspace{-0.1cm} \hspace{-0.1cm} \hspace{-0.1cm} \hspace{-0.1cm} \hspace{-0.1cm} \hspace{-0.1cm} \blacksquare \to \hspace{-0.1cm} \hspace{-0.1c$ 

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

ENTER . The TV will automatically start memorizing channels

Analog Caption function operates in either analog TV channel

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

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

The Auto Program function memorizes all channels that are

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

slider. Press ENTER when done (0ms ~ 250ms).

■ Speaker Select (External Speaker / TV Speaker)

are on. You will hear sound through both

**Speaker Settings** 

the TV to External Speaker.

settings will be limited.

Channel Menu

☐ Memorizing Channels

Antenna (Air / Cable) TOOLS,

To start Auto Program, follow these steps:

Antenna Source screen appears.

Sound Reset

procedure.

Auto Program

the Channel List.

signal.

external speakers will be mute

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 only) The Digital Captions function works with digital

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 and Large. The default is Standard.

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

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

of the letters. The default is White.

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

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

background. Options include Default, Transparent, Translucent,

## Melody

Lets you control whether a melody plays when the TV is turned on The Melody does not play

 $\ensuremath{^{\bullet}}$  When no sound is output from the TV because the MUTE button has been pressed.

• When no sound is output from the TV because the volume has

### been reduced to minimum with the VOL - button . When the TV is turned off by the Sleep Timer function.

### **Auto Protection Time** ■ Auto Protection Time (Off / 10 min / 20 min / 40 min / 1 hour): If

the screen remains idle with a still image for a certain period of time

2. Connect a USB device containing photo, music, and/or movie files you define, the screen saver is activated to prevent the formation of

**Eco Solution** ■ Energy Saving (Off / Low / Medium / High / Picture Off) : This adjust the brightness of the TV in order to reduce power consumption. If you select **Picture Off**, the screen is turned off, but

### the sound remains on. Press any button except the volume button to turn on the screen ■ Eco Sensor (Off / On) : To enhance power savings, the picture

settings will automatically adapt to the light in the room. If you adjust Cell Light in the Picture menu, the Eco Sensor

will be set to Off. Min Cell Light: When Eco Sensor is On, you can manually adjust

If Eco Sensor is On, the display brightness may change (become slightly darker or brighter) depending on the light

or delete channels from the Added Channels list, schedule channels or programs for viewing. Watch a channel by selecting the channel in the All Channels, Added Channels, or Favorite screen, pressing the ▲ / ▼ buttons, and then pressing the ENTER → button.



icon using the ▲/▼ buttons to view each list. Channels: Shows all currently available channels including

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

scheduled using Timer Viewing.

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

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.

menus may differ depending on the situation.]

Disabled when the PC is in power saving mode.

when no user operation is detected for 4 hours.

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

follow the directions on the screen.

quality is either perfect or the channels are unavailable. Adjust your

The PIN input screen appears before the setup screen. Enter your 4-digit PIN. Change the PIN using the Change

### PIN option. Software Upgrade

### **HD Connection Guide** Refer to this information when connecting external devices to the TV.

View this information when your TV does not work properly or when ou want to upgrade the software. You can find information regarding our call centers and how to download products and software.

USB Mass Storage Class (MSC) device.

1. Turn on your TV.

to the **USB** jack on the back of the TV. A pop up window appears. 3. Press the MEDIA.P button on your remote. The Media Play menu

## ☐ Using the Media Play Menu



Press the MENU button. Then, press the ▲ or ▼ button to select intensity in your room. You can control the screen's minimum brightness with the Min Cell Light function. Application on the left, and then press the ENTER button.

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

channels.

press ENTER . Go to Step 3.

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

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

B. On the Cable Type screen, use the </ri> the type of digital and analog cable systems you have: STD, HRC, or IRC. Most systems are STD (Standard). When done, select

Channel memorization can take up to 45 minutes, depending on your cable system

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

### Memorized channels are added to the Added Channe and the speakers attached to your audio receiver. If this occurs, set list. These are the channels you will see when you use the Channel buttons on your remote.

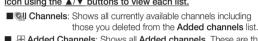
## Clear Scrambled Channel

completed. This process may take up to 20~30 minutes. Press the ENTER button to stop the Clear Scramble

VOLUME and MUTE buttons will not operate and the sound

Channel.





■ **Favorite**: Shows all favorite channels. ■ **® Programmed**: Shows all channels and programs currently

Yellow (Select): Move the cursor to a channel. Press the Yellow.

• 🞜 (Tools): Displays the Channel List Tools menu. (The Tools

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

■ Auto Power Off (Off / On): The TV will be automatically turned off

## Support Menu

### **Self Diagnosis**

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

■ Sound Test: Use the built-in melody sound to check for sound problems. If the problem occurs during the test, select Yes and

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

antenna to increase signal strength. ■ Reset: Reset all settings to the factory defaults.

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

## **Contact Samsung**

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

# ☐ Connecting a USB Device



TV's speakers are turned off. You will hear sound through the external speakers only. When you set Speaker Select to TV This function filters out scrambled channels after Auto Program is **Speaker** both the TV's speakers and the external speakers

This function is only available in Cable mode

## ■ Managing Channels

## **Channel List**

See your list of Added channels, Favorite channels, or channels u've scheduled for viewing. Add or delete Favorite channels, add 3. Press the ◀ or ▶ button to select an icon (Videos, Music, 2. Press the ✓/►/▲/▼ buttons to select a video in the file list. Photos, Settings), and then press the ENTER 🗗 button.

Media Play might not work properly with unlicensed multimedia files

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

 The file system supports FAT16, FAT32 and NTFS. Certain types of USB Digital camera and audio devices may not

 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

port. USB HDD is not supported. Before connecting your device to the TV, please back up your files to prevent them from 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 · Do not disconnect the USB device while it is loading.

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

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

 The TV cannot play MP3 files with DRM that have been downloaded from a for-pay site. Digital Rights Management (DRM) is a technology that supports the creation, distribution, and management of digital content in an integrated and

comprehensive way, including protecting the rights and inter of content providers, preventing illegal copying of contents, and managing billing and settlements

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

ognized or may malfunction

• If the TV has no input during the time period set in **Auto Protection Time**, the Screensaver will run.

 The power-saving mode of some external hard disk drives may 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 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 chec

• If a file you deleted from the PC is still found when you run **Medi**: **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

over approximately 4000, the files and folders may not appear a some folders may not open.

The maximum displayed number of files, including sub folders, in one folder of USB storage device is 2000.

• The media may not be playing smoothly when using the device lower than USB 2.0.

Stand Assembly

Cannot find a channel

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



# Videos, and then press the ENTER - button.

3. Press the ENTER button or (Play) button The file name is displayed on the top of the screen with the

playing time. - If video time information is unknown, playing time and the

progress bar are not displayed. During video playback, you can search using the ◀ and buttons.

In this mode, you can play movie clips contained in a game, but you cannot play the game itself. Supported Subtitle Formats

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

IIILEITIAI			
N	ame	Container	Format
>	sub	AVI	Picture Format
SubSta	tion Alpha	MKV	Text Format
Advanced S	ubStation Alpha	MKV	Text Format
Su	ıbRip	MKV	Text Format
MPEG-4	Timed text	MP4	Text Format

Supported Video Formats

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

• 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.

be	File Extension	Container	Video Codec	Resolution	Frame rate(fps)	Bit rate(Mbps)	Audio Codec
Э			DivX 3.11/4.x/5.1 /6.0	1920x1080	6~30	30Mbps	MP3 /
t of	*.mp4	MP4	H264	1920x1080	6~30	30Mbps	ADPCM AAC
d,			AVC	1920x1080	6~30	30Mbps	
ck			MJPEG	640x480	6~30	10Mbps	
lia			DivX 3.11/4.x/5.1 /6.0	1920x1080	6~30	30Mbps	MP3 / AC3 /
	*.avi *.mkv		MPEG4 SP / ASP	1920x1080	6~30	30Mbps	LPCM / ADPCM / DTS
			H264	1920x1080	6~30	30Mbps	Core
e is			MJPEG	640x480	6~30	10Mbps	
and in	*.asf *.wmv		DivX 3.11 / 4.x /5.1 / 6.0	1920x1080	6~30	30Mbps	MP3 / AC3 / LPCM /
			MPEG4 SP / ASP	1920x1080	6~30	30Mbps	ADPCM / WMA / WMA
			H.264	1920x1080	6~30	30Mbps	Pro
	*.ts		MPEG2	1920x1080	6~30	30Mbps	AC3 /
	*.trp *.tp TS *.m2ts	TS	H. 264 BP / MP / HP	1920x1080	6~30	30Mbps	AAC / MP3 / DD+ / HE-AAC
	*.dat		MPEG1	1920x1080	24/25/30	30Mbps	AC3 /
	*.mpg	PS	MPEG2	1920x1080	24/25/30	30Mbps	MPEG /
	*.mpeg *.vob		H. 264 BP / MP / HP	1920x1080	6~30	30Mbps	LPCM / AAC
			MDEC/LSD				

1920x1080 6~30 30Mbps

Other Restrictions

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

• Sound or video may not work if the contents have a standard bit rate/ frame rate above the compatible Frame/sec listed in the Supported Video Formats table.

• If the Index Table erroneous, the Seek (Jump) function is not

• The menu may take longer to appear if the video's bit rate exceeds 10Mbps. • Video content can not be played if there are many contents in

one file. Video Decoder

Supports up to H.264, Level 4.1 H.264 FMO / ASO / RS, VC1 SP / MP / AP L4 and AVCHD are not supported

MPEG4 SP. ASP

- Below 1280 x 720: 60 frame max

H.263 is not supported

GMC is not support.

Audio Decoder Supports up to WMA7, 8, 9 STD, 9 PRO, 10 PRO WMA 9 PRO and WMA 10 PRO support 5.1 channel. (LBR

Music



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

During music playback, you can search using the ◀ andPress the TOOLS button, select Play Folder, and then press the

(REW) and (FF) buttons do not function during Media Play only displays files with MP3 and PCM file

If the sound is abnormal when playing MP3 files, adjust the Equalizer in the Sound menu. (An over-modulated MP3 file may cause a sound problem.)

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.

 While a photo list is displayed, press the 
 (Play) / ENTER
 □ button on the remote control to start a slide sho All files in the file list section will be displayed in the slide show

· During the slide show, files are displayed in order During the slide show, you can adjust the slide show speed using (() (REW) or () (FF) button.

You can move to other files using ◀ or ▶ button. Media Play can play Music files automatically during a Slide Show if Background Music is set to On.

You cannot change the Mode in Background Music until the Background Music file has finished loading. • Supported Photo Formats

Image Photo Base-line 15360 x 8704

**JPEG** Other Restrictions

Playing Multiple Files

■ Playing selected video/music/photo files

1. On the File List screen, highlight a file, and then press the Yellow button on your remote

2. Repeat Step 1 to select multiple files

NOTE

• CMYK, YCCK Color space JPEG are not supported.

• 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. 2. Press the ◀/▶/▲/▼ buttons to select the desired Music in the ■ Playing a video/music/photo folder

> 1. With the folders on your USB device displayed, use the ◄/►/▲/▼ buttons to highlight a folder

ENTER button.

Problem	Possible Solution     Check the Caption Setup menu. Try changing Caption Mode Service 1 to CC1.     Some channels may not have caption data.			
No Caption on digital channels.				
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 th 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 top-box has a grounding issue. Replace the Component video cables with an HDMI connection.			
Plasma TV is making humming noise.	Plasma TVs typically make a soft humming sound. This is normal. It's caused by the electrical charges that used to create the images on the screen.			
	<ul> <li>If the humming sound is loud, you may have set the brightness on the TV too high. Try setting the brightne lower.</li> </ul>			
	You can also have loud humming if the back of your Plasma TV is too close to a wall or other hard surface, the TV away from the wall. Also, try rerouting your connection cables.			
	An improperly installed of wall mount can also create excessive noise.			
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 TV.			
	Adjust the picture size option on your external device or change the TV to full screen.			
Image Retention (Burn In) Issue.	To minimize the possibility of screen burn, this unit is equipped with Pixel Shift screen burn reduction techno Pixel Shift lets you set the picture so it moves slightly up and down (Vertical Line) and side to side (Horizontal The regular, slight movement of the picture reduces screen burn in.			
The remote control does not work.	Replace the remote control's batteries. Make sure you insert them with the polarity (+/-) correct .			
	<ul> <li>Clean the transmission window located on the top of the remote control.</li> <li>Try pointing the remote directly at the TV from 5~6 feet away.</li> </ul>			
The cable/set top box remote control does not turn the TV on or off, or adjust the volume.	<ul> <li>Program the Cable/Set top box remote control to operate the TV. Refer to the Cable/Set top box user man the SAMSUNG TV code.</li> </ul>			
A "Mode Not Supported" message appears.	Check the supported resolution of the TV and adjust the external device's output resolution accordingly. Re 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 <b>Channel</b> 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.	<ul> <li>If TV is in the Store Demo mode, it will reset audio and picture settings every 30 minutes. Please change for Store Demo mode to Home Use mode using the Plug &amp; Play procedure. Press the SOURCE button to so TV mode, go to MENU → Setup → Plug &amp; Play → ENTER [-].</li> </ul>			
You have intermittent loss of audio or	Check the cable connections and reconnect them.			
video.	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 conr			
You see small particles when you look closely at the edge of the frame of the TV.	This is part of the product's design and is not a defect.			
POP (TV's internal banner ad) appears on the screen.	Select Home Use under Plug & Play mode. For details, refer to Plug & Play (Initial Setup).			

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.

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

Category	Operation	Videos	Music	Photos
Title	You can select another video file to play directly.	~		
Repeat Mode	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.	<b>✓</b>		<b>✓</b>
Sound Mode	You can adjust the sound setting.	<b>✓</b>	<b>✓</b>	<b>✓</b>
Subtitle Setting	You can play the video with Subtitles. This function only works if the subtitles have the same file name as the video.	~		
Audio Format	You can select the digital audio output format.	~		
Audio Language  You can change the audio language if the video has more than one language.		~		
Stop Slide Show / Start Slide Show	You can start or stop a Slide Show.			~
Slide Show Speed	You can select the slide show speed during the slide show.			~
Background Music	You can set and select background music when watching a Slide Show.			~
Zoom	You can zoom into images in full screen mode.			~
Rotate	You can rotate images in full screen mode.			~
Information	You can see detailed information about the played file.	<b>✓</b>	~	~

### Settings

### Using the Setup Menu

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

USB device.

### Other Information

### 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 mount on your own

### Wall Mount Kit Specifications (VESA)

The wall mount kit is not supplied, but sold separately.

# When attaching to other building materials, please contact your nearest dealer. If you install the TV on a ceiling or slanted wall, it

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

When purchasing our wall mount kit, a detailed installation

manual and all parts necessary for assembly are provided.

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

Do not use screws that are longer than the standard dimension or do not comply with the VESA standard screw specifications.

• For wall mounts that do not comply with the VESA standard

screw specifications, the length of the screws may differ

. Do not fasten the screws too firmly. This may damage the

product or cause the product to fall, leading to personal injury. Samsung is not liable for 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.

specs (A \* B) in

400 X 400

600 X 400

electric shock.

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.

not supplied, please purchase these separately

Since the necessary brackets, screws, and string or cable are

1. Insert the screws into the wall brackets and firmly fasten them to

We strongly recommend you drive the screws into a stud.

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

2. Using M8 screws insert the screws through the TV brackets

3. Connect the brackets on the TV and the brackets on the wall

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. Until the string or cable before moving the TV.

To purcase a TV Holder kit, contact Samsung customer care.

with a strong string or cable, and then tie the string or cable

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

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

M8

Do not install your Wall Mount Kit

while your TV is turned on. It may

result in personal injury due to

depending on the wall mount specifications.

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

Always have two people mount the TV on a wall.

crews that are too long may cause damage to the inside of the

may fall and result in severe personal injury.

screw specifications.

Product | TV size in

inches

43~51

60~64

Securing the TV to the Wall

To prevent the TV from falling

back of the TV.

tightly to the brackets

Family

PDP-TV

NOTE

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 • Standard dimensions for wall mount kits are shown in the table Please find a "
 icon on the rear of the TV. The Kensington slot is beside the "R" icon.

The position and color may differ depending on the model.

To lock the product, follow these steps:

Kensington Lock

1. Wrap the Kensington lock cable around a large, stationary object such as desk or chair.

2. Slide the end of the cable with the lock attached through the looped end of the Kensington lock cable.

3. Insert the locking device into the Kensington slot on the product.

4. Lock the lock 

User manual supplied with the locking device. The locking device has to be purchased separately.

The location of the Kensington slot may be different depending on the TV model

## Troubleshooting

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

Problem	Possible Solution			
Flickering and Dimming	If your Samsung Television is flickering or dimming sporadically, you may need to disable some of its energy efficient features like the Eco Sensor or the Energy Saving feature. Follow the steps below with your remote to turn these features off or on.  • Energy saving: Menu → Setup → Eco Solution → Energy Saving →Select Settings			
	Eco Sensor : Menu → Setup → Eco Solution → Eco Sensor →Select Settings      Eco Sensor → Select Settings			
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 → Support → Self Diagnosis → Picture Test			
	If the test is ok, try making sure ;			
	<ul> <li>Your connections are all consistent. For example, if you've used the AV In jack on your TV, make sure you have used the AV Out jack on your video source.</li> </ul>			
	<ul> <li>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.</li> </ul>			
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.			
	<ul> <li>Backlight, Contrast, Brightness, Sharpness, Color, Tint and so on. Go to "Picture" in the Menu, and then try adjusting these options.</li> </ul>			
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} : \text{User Menu} \rightarrow \text{Setup} \rightarrow \text{Eco Solution} \rightarrow \text{No Signal Power} $			
	$ \bullet \   \text{Auto Power Off : User Menu} \rightarrow \text{Setup} \rightarrow \text{Eco Solution} \rightarrow \text{Auto Power Off} $			
Trouble Powering On	Before you turn the TV on, find the red light on the right or left bottom of your TV. Press the power on button on the TV or remote and the light should blink about 5 times before the TV turns on.			
	If you find that you are having trouble powering on your Samsung television, there are a number of things to check it before making a call to the service department.			
	<ul> <li>If you happen to be using the TV as a monitor and the stand-by light only blinks for a few seconds when you press the power button, your PC is in sleep mode. To take your PC out of sleep mode, press a key on your keyboard or move the mouse. Then try turning your TV on.</li> </ul>			

### Storage and Maintenance

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

Name The exterior and screen of the product can get scratched during cleaning. Be sure to wipe the exterior and screen carefully using



License

Do not spray water directly onto the product. Any liquid that goes into the



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

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HDMI

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SRS TheaterSound $^{\text{TM}}$  provides the most immersive surround sound experience from the TVs built-in speakers, while maintaining steady volume and delivering rich bass and clear dialog.



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### Environmental Considerations 50°F to 104°F (10°C to 40°C) Operating Temperature Operating Humidity 10% to 80%, non-condensing -4°F to 113°F (-20°C to 45°C) Storage Temperature 5% to 95%, non-condensing Storage Humidity Model Name PN64E533 1920 x 1080 Display Resolution Screen Size 64" Class (Diagonal) (64.0" measured diagonally) Output 10W x 2 Dimensions (W x H x D) 58.6 x 34.8 x 2.2 inches (1488.8 x 885.8 x 57.0 mm) 58.6 x 37.8 x 13.1 inches With stand 1488.8 x 960.2 x 335.0 mm 79.8 lbs (36.2 kg) Without Stand 91.0 lbs (41.3 kg)

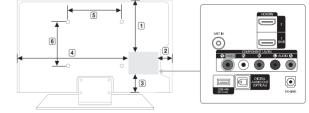
🦠 For information about the power required and more about power consumption, refer to the label attached to the product.

National 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

**Specifications** 



						(Unit: inches)
Model name	1	2	3	4	5	6
PN64E533	21.4	9.2	8.9	42.4	23.6	15.7

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. Make sure the AC power cord is plugged securely into the wall outlet and the TV. When you are watching TV connected to an antenna or cable connection, the TV will turn off after 10 - 15 minutes · Check the cable connections. (Remove and reconnect all cables connected to the TV and external devices). Set your external device's (Cable/Sat Box. DVD. Blu-ray etc) video outputs to match the connections to the TV input. For example, if an external device's output is HDMI, it should be connected to an HDMI input on the TV. Make sure your connected devices are powered on. Be sure to select the correct input source by pressing the SOURCE button on the remote control. Reboot the connected device by reconnecting the device's power cable. · 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

If the test image is properly displayed, the poor picture may be caused by the source or signal. 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. Cable/Satellite subscribers: Try HD channels from the channel line up. Air/Cable Antenna connection: Try HD channels after running Auto Program. Many HD channels broadcast up scaled SD (Standard Definition) content. The picture quality of up 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. Reboot the connected device by reconnecting the device's power cable. • Check the cable connections. Make sure a video cable is not connected to an audio input. · For Antenna or Cable connections, check the signal information. A weak signal may cause sound distortion • Perform the Sound Test as explained above. · Make sure the AC power cord is securely plugged into the wall outlet and the TV. Make sure the wall outlet is working. ry 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. 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

 Adjust the Cable/Set top box video output resolution to 1080i or 720p. The picture is distorted: macroblock 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. • 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. Incorrect or loose connections may cause color problems or a blank screen There is poor color or brightness Adjust the Picture options in the TV menu. (go to Picture Mode / Color / Brightness / Sharpness • Adjust the Energy Saving option in the TV menu. (go to MENU - Setup - Eco Solution - Energy Saving ) • Try resetting the picture to the default picture settings. (go to MENU - Picture - Picture Reset) If the picture size is set to Screen Fit, change it to 16:9. There is a dotted line on the edge of · Change the cable/satellite box resolution • If you are using an AV composite input, connect the video cable (yellow) to the Green jack of Component Input 1 When changing channels, the picture If connected to a cable box, please try to reset it. (Reconnect the AC cord and wait until the cable box reboots. It may take up to 20 minutes) freezes or is distorted or delayed. · Set the output resolution of the cable box to 1080i or 720p Perform the **Sound Test** to confirm that your TV audio is properly operating. (go to MENU - Support - Self Diagnosis - Sound Test) If the audio is OK, the sound problem may be caused by the source or signal. • Check the volume of the device (Cable/Sat Box, DVD, Blu-ray, etc.) connected to your TV. There is no sound or the sound is to

Color is wrong or missing.

Possible Solution

error, small block, dots, pixelization

Go to MENU - Support - Self Diagnosis - Picture Test

The picture is black and white

Sound Problems

low at maximum volume.

The picture is good, but there is no The speakers are making an

No Picture, No Video

The TV will not turn on

The TV turns off automatically There is no picture/video

RF (Cable/Antenna) Connection The TV is not receiving all channels

> in the menu. There are 3 options. (STD, HRC and IRC) · Verify the antenna is positioned correctly

if there is no signal.

- 13 -

- Above 1280 x 720: 30 frame max

mode of WMA Pro is not supported) WMA Lossless is not supported

3. Press the ENTER → button or ► (Play) button.

extension. Other file extensions are not displayed, even if they are saved on the same USB device.

When playing a file, press the TOOLS button.

■ DivX® Video On Demand : Shows the registration code

egistration is completed Some For more information on DivX® VOD, visit "http://vod.divx.

■ Information: Select to view information about the connected

the cloth provided or a soft cloth to prevent scratches.



product may cause a failure, fire, or

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SISO

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

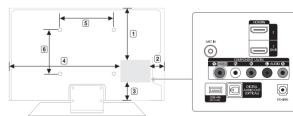
and are used under license. **DOLBY** 

Display Modes (HDMI/DVI Input) Optimal resolution is 1920 x 1080@60Hz

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

This device is a Class B digital apparatus



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.

Design and specifications are subject to change without prior notice.

