Figures and illustrations in this User Manual are provided for reference only and may differ from actual product appearance. Product design and specifications

### Still image warning

Avoid displaying still images (like jpeg picture files) or still image element (like TV orogramme logo, panorama or 4:3 image format, stock or news bar at screen bottom etc.) on the screen. Constant displaying of still picture can cause ghosting of LED screen, which will affect image quality. To reduce risk of this effect, please follow below · Avoid displaying the same TV channel for long periods

- Always try to display any image on full screen, use TV set picture format menu for best possible match.
- Reduce brightness and contrast values to minimum required to achieve desired picture quality, exceeded values may speed up the burnout process.
- Frequently use all TV features designed to reduce image retention and screen. rnout, refer to proper user manual section for details.

For India Only This product is RoHS compliant

Correct Disposal of This Product

(Waste Electrical & Electronic Equipment) This marking on the product & accessories literature indicates that the product and its electronic accessories (e.g. charge) headset, USB cable) should not be disposed of with other household waste at the end of their working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate these items from other types of waste and recycle them responsibly to promote should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take these items for environmentally safe recycling. Business user should contact their supplier and check the terms and conditions of the purchase contract. This product and its electronic accessories should not be mixed other commercial wastes for disposal.

For personal and non-commercial use only.

Usage is subject to following the guidelines in the User Manual and may not be available in all regions.

For more information on safe disposal and recycling visit our website www. samsung.com/in or contact our helpline number - 18002668282, 180030008282

# Contact SAMSUNG WORLD WIDE you have any questions or comments relating to Samsung products, please ontact the SAMSUNG customer care centre. 1800-88-999 | contact) PHILIPPINES | 1-800-10-7267864 [PLDT] | www.samsung.com/ph/support BANGLADESH 9612300300 SRI LANKA 0094117540540 0094115900000 08000-726786 www.samsung.com/eg/support ALGERIA 021 36 11 00 www.samsung.com/sa\_en/ | 7864) | 800-SAMSUNG (800 - 726 | | (English) OMAN www.samsung.com/Levant/ 96 5777444 SYRIA 18252273 support (English) www.samsung.com/Levant/ SYRIA 18252273 www.samsung.com/Levant/ MOROCCO 080 100 22 55 www.samsung.com/n. africa/support SOUTH AFRICA 0860 SAMSUNG (726 7864) www.samsung.com/support BOTSWANA 8007260000 www.samsung.com/support NAMIBIA 08 197 267 864 www.samsung.com/support WAMBIO U21 350370 www.samsung.com/support MOZAMBIQUE 8472267864 / 827267864 www.samsung.com/support MIGERIA 0800-726-7864 www.samsung.com/sirca en/support Ghana "0800-10077" www.samsung.com/africa\_en/support www.samsung.com/africa\_en/support www.samsung.com/africa\_en/support



# Changing the Input Source

## Source List

Use to select TV or other external input sources such as DVD / Blu-ray players / cable box / STB satellite receiver connected to the TV. 1. Press the SOURCE button.

2. Select a desired external input source

You can only choose external devices that are connected to the TV. In the Source List, connected inputs will be highlighted.

■ TV / AV / Component / HDMI1 / HDMI2/DVI

# I How to use Edit Name

Edit Name lets you associate a device name to an input source. To cess Edit Name, enter Support menu and select Edit Name. Name evice connected to the input jacks to make your input source selection easier.

When connecting a PC to the HDMI IN 2 (DVI) port with HDMI cable, you should set the TV to PC mode under Edit Name.

When connecting a PC to the HDMI IN 2 (DVI) port with HDMI to DVI cable, you should set the TV to DVI PC mode under **Edit Name**.

When connecting an AV devices to the HDMI IN 2 (DVI) port with HDMI to DVI cable, you should set the TV to DVI mode under Edit Name

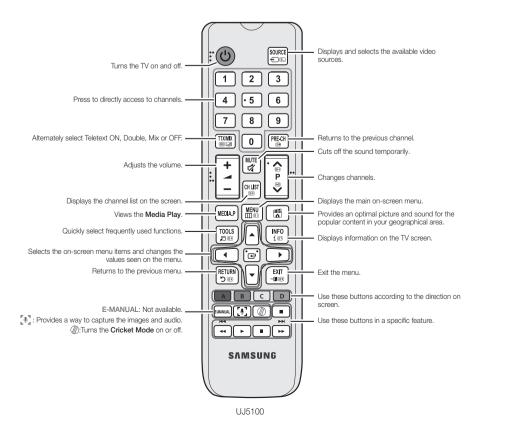
## Information

Press INFO(INFO), you can see detailed information about the selected

external device. Information only available for the current connected source.

BN68-06938W\_ENG. indd 1

This remote control has Braille points on the Power, Channel, and Volume buttons and can be used by visually impaired persons



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### **Important Safety Instructions**

### SAMSUNG **Warning! Important Safety Instructions**

(Please read the safety instructions below before installing and using the product.)

# RISK OF ELECTRIC SHOCK DO NOT OPEN REMOVE COVER (OR BACK). THERE ARE NO USER SERVICEABLE PARTS INSIDE. REFER ALL SERVICING TO QUALIFIED PERSONNEL.

This symbol indicates that high voltage is present inside. It is dangerous to make any kind of contact with any internal

- The slots and openings in the cabinet and in the back or bottom are provided for necessary ventilation. To ensure reliable operation of this apparatus, and to protect it from overheating, these slots and openings must never be blocked or covered.
- Do not cover the slots and openings with a cloth or other materials.
- Do not block the slots and openings by placing this apparatus on a bed, sofa, rug or other similar surface. - Do not place this apparatus in a confined space, such as a bookcase or built-in cabinet, unless proper ventilation is provided.
- · Do not place this apparatus near or over a radiator or heat register, or where it is exposed to direct sunlight.
- Do not place a vessel containing water (vases etc.) on this apparatus, as this can result in a risk of fire or electric shock
- Do not expose this apparatus to rain or place it near water (near a bathtub, washbowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool etc.). If this appratus accidentally gets wet, unplug it and contact an authorised dealer immediately. • Make sure to pull out the power cord from the outlet before cleaning.
- This apparatus use batteries. In your community, there might be regulations that require you to dispose of these batteries properly to protect the vironment. Please contact your local authorities for disposal or recycling information
- · Do not overload wall outlets, extension cords, or adaptors beyond their capacity, since this can result in fire or electric shock. Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them. Pay particular
- attention to cords at the plug end, where connected to adaptors, and at the point where they exit from the apparatus. • To protect this apparatus from a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and
- disconnect the antenna or cable system. This will prevent damage to the set due to lightning and power line surges · Before connecting the AC power cord to the DC adaptor outlet, make sure the voltage designation of the DC adaptor corresponds to the local electrical supply. (depending on the model)
- Never insert anything metallic into the open parts of this apparatus. Doing so may create a danger of electric shock.
- To avoid electric shock, never touch the inside of this apparatus. Only a qualified technician should open this apparatus. • Make sure to plug the power cord in until it is firmly inserted. Pull on the plug, not the cord, when removing the power cord from the outlet. Do not
- touch the power cord with wet hands. . If this appratus does not operate normally - in particular, if there are any unusual sounds or smells coming from it - unplug it immediately and contact
- an authorised dealer or service centre. Be sure to pull the power plug out of the outlet if the TV is to remain unused or if you are to leave the house for an extended period of time (especially when children, elderly or disabled people will be left alone in the house). - Accumulated dust can cause an electric shock, an electric leakage, or a fire by causing the power cord to generate sparks and heat, or cause
- the insulation to deteriorate. Be sure to contact an authorised service centre, when installing your set in a location with heavy dust, high or low temperatures, high humidity,
- chemical substances or where it will operate for 24 hours a day such as in an airport, a train station, etc. Failure to do so may cause serious damage Use only a properly grounded plug and receptacle.
- An improper ground may cause electric shock or equipment damage. (Class I Equipment only.)
- To turn off the apparatus completely, you must pull the power plug out of the wall socket. Consequently, the power plug should be readily accessible
- Store the accessories (batteries, etc.) in a location safely out of the reach of children.
- Do not install the product in an unstable location such as a shaky self, a slanted floor, or a location exposed to vibration.
- Do not drop or impart a shock to the product. If the product is damaged, disconnect the power cord and contact a service centre.
- To clean the product, unplug the power cord from the power outlet and wipe the product using a soft, dry cloth. Do not use any chemicals such as wax, benzene, alcohol, thinners, insecticide, air freshener, lubricant or detergent. This may damage the appearance or erase the printing on the
- Do not expose the apparatus to dripping or splashing.
- Do not dispose of batteries in a fire.
- · Do not short circuit, disassemble, or overheat the batteries.
- There is a danger of explosion if you replace the batteries with the wrong type of battery. Replace only with the same or equivalent type.
- WARNING TO PREVENT THE SPREAD OF FIRE, KEEP CANDLES OR OTHER OPEN FLAMES AWAY FROM THIS PRODUCT AT ALL TIMES.

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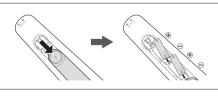
# Display Modes (HDMI/DVI Input)

Mode Resolution Horizontal Frequency Vertical Frequency (Htt) Pixel Clock Frequency Sync Polarity 81 / V) 1366 x 768 1920 x 1080

4 series: 1366 x 768@60Hz.1600 x 900@60Hz / 5 series: 1920 x 1080@60Hz

MODE	Pesolution	(KHz)	vertical Frequency (Fiz)	(MHz)	Sync Polarity (F1 / V)	1300 X 700	1920 X 1080
IBM	720 x 400	31.469	70.087	28.322	-/+	~	~
MAC	640 x 480	35.000	66.667	30.240	-/-	<b>√</b>	~
	832 x 624	49.726	74.551	57.284	-/-	<b>√</b>	~
	1152 x 870	68.681	75.062	100.000	-/-		~
VESA DMT	640 x 480	31.469	59.940	25.175	-/-	<b>√</b>	~
	640 x 480	37.861	72.809	31.500	-/-	<b>√</b>	~
	640 x 480	37.500	75.000	31.500	-/-	<b>√</b>	~
	800 x 600	37.879	60.317	40.000	+/+	<b>√</b>	~
	800 x 600	48.077	72.188	50.000	+/+	<b>√</b>	<b>✓</b>
	800 x 600	46.875	75.000	49.500	+/+	<b>√</b>	<b>✓</b>
	1024 x 768	48.363	60.004	65.000	-/-	~	~
	1024 x 768	56.476	70.069	75.000	-/-	<b>√</b>	~
	1024 x 768	60.023	75.029	78.750	+/+	<b>√</b>	~
	1152 x 864	67.500	75.000	108.000	+/+		~
	1280 x 720	45.000	60.000	74.250	+/+	<b>√</b>	~
	1280 x 800	49.702	59.810	83.500	-/+		~
	1280 x 1024	63.981	60.020	108.000	+/+		~
	1280 x 1024	79.976	75.025	135.000	+/+		~
	1366 x 768	47.712	59.790	85.500	+/+	<b>√</b>	~
	1440 x 900	55.935	59.887	106.500	-/+		<b>✓</b>
	1600 x 900RB	60.000	60.000	108.000	+/+		~
	1680 x 1050	65.290	59.954	146.250	-/+		~
	1920 x 1080	67.500	60.000	148.500	+/+		~

## Installing hatteries (Battery size: AAA)



• Use the remote control within 7 m from TV.

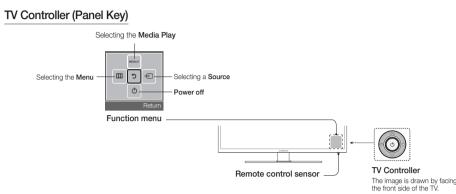
• Bright light may affect the performance of the remote control. Avoid using nearby special fluorescent light or neon signs.

The Colour and shape may vary depending on the model.

# **Getting Started**

# Accessories Remote Control & Batteries (AAA x 2) • Warranty Card / Regulatory Guide (Not available in some locations) Owner's Instructions Cable Holder(1EA) Assembling the Cable Holder

Input Cables (Sold Separately)



Coaxial (RF

To close the Menu, Media Play List, or Source List, press the Controller for more than 1 second.

🖏 When selecting the function by moving the controller to the up/down/left/right directions, be sure not to press the controller. If you press it first, you cannot operate it to move

### Plug & Play (Initial Setup)

When you turn the TV on for the first time, a sequence of screens and on-screen prompts will assist you in configuring the TV's basic settings. Plug the power cord into a wall outlet, and then press the POWER button to turn on the TV. Set the initial setup following instructions that the TV guides.

🛸 If you are not using a cable box or satellite box, make you sure have connected the TV to an Aerial or cable connection before you turn on the TV. Connecting the power cord and antenna. (refer to 'Connections')

- For better picture and audio quality, connect to a digital device using an HDMI
- PC / DVI AUDIO IN input is not supported. The picture may not display normally (if at all) or the audio may not work if an
- For HDMI/DVI cable connection, you must use the HDMI IN 2 (DVI) port.
   Connecting through the HDMI cable may not be supported depending on the PC. In e picture may not display normally (if at all) or the audio may not work if an external device that uses an older version of HDMI mode is connected to the TV. If such a problem occurs, ask the manufacturer of the external device about the HDMI version and, if out of date, request an upgrade.
   Be sure to purchase a certified HDMI cable. Otherwise, the picture may not display or a connection error may occur. . If an HDMI to DVI cable is connected to the HDMI IN 2 (DVI) port, the audio does

  - For Set-top box connection using HDMI cable, we highly recommend you to connect the HDMI IN 1 (STB) port.

HDMI connection PC connection Blu-ray player / DVD / Set-• The rear panel may differ depending on the mode top box HDMI OUT **0** TV Rear Panel TV Side Pane HDMI IN 1 (STB) HDMI IN 2 (DVI) USB •<-(HDD5V1A) USB •← (5V 0.5A) AUD**I**O OUT Audio connection Component connection AV connection Cable (Analogue) Blu-ray player / DVD

Language

Time

Set the menu language

■ On Time/Off Time

Mon~Sat. Sat~Sun. Sun

Contents: Select TV.

■ Sleep Timer TOOLS,

The **Melody** does not play.

Auto Power Off

Self Diagnosis

☐ Game Mode

automatically.

Melody

Select Off to turn of Repeat.

To cancel Sleep Timer, select Off.

minimum with the VOL - button.

some countries have only one language.)

Current time should be set first by Clock Set

 $\ \ \,$  Press  $\blacktriangle$  or  $\blacktriangledown$  button to select menu language. (According to the different areas,

 $\ensuremath{ \ ^{\circ}}$  The current time will appear every time you press the INFO button.

Repeat: Set the timer to repeat by Once, Everyday, Mon~Fri.

Hour/Minute: Enter the hour and minute for the TV to turn on or off

Channel: Select the channel to be played when the TV turns on

Volume: Select the volume level when TV turns on automatically.

Automatically shuts off the TV after a preset period of time. (Off, 30 min, 60 min, 90 min, 120 min, 150 min and 180 min)

Set so that a melody plays when the TV is turned Off. Low. Medium

The TV will be automatically turned off when no user operation is

If the Auto Power Off option is set to Off, the TV will stay on even if no

The Broadcast Signal Self Diagnosis menu provides Picture Test. Sound

Test, and Signal Information functions to evaluate TV problems and to show the signal strength.

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

• Reset: Reset all settings to the factory defaults except network

Choose to restore factory Settings, TV will automatically shut down, and ther

as PlayStation™ or Xbox™ to the TV, you can enjoy a more realistic

Game Mode (Off / On):When you have connected a game console such

- Before disconnecting a game console and connecting another external device,

• Picture Test: Use to check for picture problems

gaming experience if you set Game Mode on.

Precautions and limitations for Game Mode

- When no sound is output from the TV because the volume has been reduced to

■ Clock Set: Set the Year, Month, Day, Hour, Minute.

DVD / Home Theatre

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# Channel Menu

## Channel List

Select a channel in the All Channels, Added Channels screen by you can watch the selected channel.

Using the remote control buttons with the Channel List

# **Channel Status Display icons**

ICONS		Operation	
×	A channel deleted.		
Data and Observation			

□ Retuning Channels Area

(Depending on the country) Scan mode for Southwest Asia: Full/Turbo

Scans for a channel automatically and stores in the TV. Manual Store

Scans for a channel manually and stores in the TV.

Programme, Colour System, Sound System, Channel, Search, Store: If there

Option menu items may differ depending on the channel status. Set each channel using the **Channel List** menu options. Option menu items may differ depending on the channel status.

Add / Delete: Delete or add a channel to display the channels you

A "X" beside the channel indicates the channel has been deleted.

The Add menu only appears for deleted channels.

If the reception is clear, you do not have to fine tune the channel, as this Digital Clean View: (Auto / Off / Low / Medium / High) If the is weak or distorted, fine tune the channel manually.

Fine tuned channels that have been saved are marked with an asterisk "\*" on the

This is available for analogue broadcasts only.

Picture Menu

Picture Mode TOOLS ₪

## Seeing Channels

pressing the ▲/▼ buttons, and pressing the ENTER → button. Then

### You can change the desired area. **Auto Store**

According to channel source, Manual Store may be supported

**Channel List Option Menu** 

 $\ \, \bigtriangleup \ \,$  All deleted channels will be shown on the All Channels menu.

Fine Tune

Digital Clean View feature to reduce any static and ghosting that may

### Select your preferred picture type ■ **Dynamic**: Suitable for a bright room. ■ Standard: Suitable for a normal environment. ■ Movie: Suitable for watching movies in a dark room.

HDMI-DVI

Colour / Tint (G/R) Your television has several setting options for picture quality control. In analogue TV, AV modes of the PAL system, the Tint (G/R) function is not

Backlight / Contrast / Brightness / Sharpness /

When connecting a PC, you can only make changes to Backlight, Contrast, Brightness and Sharpness.

Settings can be adjusted and stored for each external device connected to Lowering picture brightness reduces power consumption.

### **Picture Options** ■ Colour Tone: Select the colour temperature.

Warm will be deactivated when the picture mode is **Dynamic**. ■ Size: Your cable box/satellite receiver may have its own set of screen sizes as well. However, we highly recommend you use  ${\bf 16:9}\ {\rm mode}$  most of the time.

16:9: Sets the picture to 16:9 wide mode 4:3: Sets the picture to basic (4:3) mode. Zoom1/Zoom2: Zoom out 16:9 wide mode vertically to fit the screen

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

HDMI(720p/1080i/1080p) signals are inputted. Custom: Magnifies or shrinks 16:9 nictures ve norizontally. A magnified or shrunk picture can be moved left, right, up, and down.

Do not watch in 4:3 format for a long time. Traces of borders displayed on the left, right and centre of the screen may cause image retention (screen burn) which are not covered by the warranty.

## NOTE

screen depth.

 Depending on the input source, the picture size options may vary. • The available items may differ depending on the selected mode.

• Settings can be adjusted and stored for each external device connected to an broadcast signal received by your TV is weak, you can activate the

appear on the screen. When the signal is weak, try other options until the best picture is displayed ■ HDMI Black Level: Selects the black level on the screen to adjust the

Available only in HDMI mode (RGB signals). ■ Film Mode: (Auto / Off) Sets the TV to automatically sense and process film signals from all sources and adjust the picture for optimum quality.

Available in TV mode, AV, COMPONENT (480i / 1080i) and HDMI (480i / ■ Motion Lighting: Reduce power consumption by brightness control Only available in Standard mode.

■ Analogue Clean View: Reduces diagonal noise in picture caused by

Picture Reset Resets your current picture mode to its default settings.

## Sound Menu

### Sound Mode TOOLS ■ Standard: Selects the normal sound mode.

■ Music: Emphasise music over voices. ■ Movie: Provides the best sound for movies.

■ Clear Voice: Emphasise voices over other sounds.

## (standard sound mode only)

■ Balance: Adjusts the balance between the right and left speaker

■ 100Hz / 300Hz / 1kHz / 3kHz / 10kHz (Bandwidth Adjustment):

Adjusts the level of specific bandwidth frequencies ■ Reset: Resets the Equalizer to its default settings.

# DTS TruSurround HD TOOLS

(standard sound mode only) This function provides a virtual 5.1 channel surround sound experience through a pair of speakers using HRTF (Head Related Transfer Function)

# Auto Volume

Equalizer

Because each broadcasting station has its own signal conditions, the volume may fluctuate each time channel is changed. This feature lets you automatically adjust the volume of the desired channel by lowering the sound output when the modulation signal is high or by raising the sound output when the modulation signal is low.

A sound echo may occur due to a difference in decoding speed between ne main speaker and the audio receiver. In this case, set the TV to External Speaker.

When you set Speaker Select to External Speaker, the TV's speakers a 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 outtons will not operate and the sound settings will be limited 

### TV Installation Type This is the feature that set sound filter to fit into the installation condition

Sound Reset Reset all sound settings to the factory defaults.

Selecting the Sound Mode TOOLS When you set to Dual I-Dual II, the current sound mode is displayed on

of TV. Adjust TV Sound to suit either stand or Wall Mount Installation.

Dual I-II A2 Stereo change Dual Dual I ↔ Dual II Mono Mono ↔ Stereo NICAM Stereo change Mono ↔ Dual I Dual Dual I Dual II ∠

If the stereo signal is weak and an automatic switching, occurs, then switch to

Only activated in stereo sound signal. This function is available for all input sources.

# - If you display the TV menu in **Game Mode**, the screen shakes slightly.

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 Game Mode is not available when you've set the input source to TV. - Set **Game Mode** to **On** only after connecting a game console. If you turn Game Mode on before you have attached the game console, you may notice reduced picture quality.

If Game Mode is On: Picture Mode is set to Game Mode and Sound Mode is set to Game Mode

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### Support Menu

### □ Using the Media Play

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

# Connecting a USB Device

1. Turn on your TV.

- 2. Connect a USB device containing photo, music and/or movie files to the USB jack on the side of the TV
- 3. When USB is connected to the TV, you can select **Media Play**. The maximum displayed number of partition is 4.

### Using the Media Play (USB) Menu

1. Press the MENU button. Press the ▲ or ▼ button to select Support, then press the ENTER button.

- 2. Press the ▲ or ▼ button to select Media Play (USB), then press the
- 3. Press the ◀ or ▶ button to select an icon (Videos, Music, Photos,
- Story Replay), then press the ENTER 🚭 button.
- It might not work properly with unlicenced multimedia file:
- If you want to view detailed information of the file being played, press TOOLS
- button in the file list, and then select Information.
- Need-to-Know List before using Media Play (USB)
- Supported file systems are FAT and NTFS. Certain types of USB Digital camera and audio devices may not be
- compatible with this TV. Media Play only supports USB Mass Storage Class (MSC) devices.
   MSC is a Mass Storage Class Bulk-Only Transport device. Examples of MSC are Thumb drives and Flash Card Readers. Devices should be connected directly to the TV's USB port. (LED 5100 series : USB
- HDD power supported limitation is 1A.) Does not support smart devices connected in MTP or PTP protocol. 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 may not be supported. (LED
- 5100 series and above: 1A)
- 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.
- The maximum supported JPEG resolution is 15360 x 8640 pixels
- If a file is corrupted or the TV does not support the file type, the "Not Supported File Format" message appears.
- If a USB extension cable is used, the USB device may not be recognised or the files on the device may not be read.
- 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 interests of content providers, preventing illegal copying of contents, and managing billings and settlements. PTP device is not supported.

**Troubleshooting** 

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

The picture is distorted: macroblock error.

Colour is wrong or missing.

There is poor colour or brightness

The picture is black and white.

There is a dotted line on the edge of the

When changing channels, the picture

freezes or is distorted or delayed.

Sound Quality

No Picture, No Video

The TV turns off automatically

There is no picture/video

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

on Support, or contact the call centre listed on the back-cover of this manual

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

released automatically when your connect them to the 1 v.
If a USB device connected to the TV is not recognised, the list of
files on the device is corrupted, or a file in the list is not played,
connect the USB device to a PC, format the device, and check the

- If a file you deleted from the PC is still found when you run Media Play, use the "Empty the Recycle Bin" function on the PC to
- nanently delete the file. Photos only supports sequential jpeg format.
- The scene search and thumbnail functions are not supported in the
- If the number of files and folders saved on a USB storage device is approximately over 4000, the files and folders may not appear and some folders may not be opened.
- The maximum displayed number of files, including sub folders, in one folder of USB storage device is 1000. The media may not be playing smoothly when using the device
- higher than USB 2.0. The maximum displayed number of partition is 4.
- · The file name only works in supported menu language. The other
- language is not displayed properly.
- 1. Press the ◀ or ▶ button to select Videos, then press the ENTER ☐ button in the Media Play menu.
- 2. Press the **◄/▶/▲/▼** buttons to select the desired video in the file list.
- Press the ENTER → button or → (Play) button.
- The selected file is displayed on the top with its playing time. If video time information is unknown, playing time and the progress bar are not.
- During video playback, you can search using the ◀ and ▶ button
- You can use (◄◄) (REW) and (►►) (FF) buttons during playback. In this mode, you can play movie clips contained in a game, but you cannot play
- Supported Subtitle Formats

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If you have any questions about the TV, first refer to this list. If none of these troubleshooting tips apply, please visit "www.samsung.com," then click

Antenna connection: Try HD stations after performing Auto tuning.

loose connections may cause colour problems or a blank screen

• If the picture size is set to **Picture Options**, change it to **16:9**.

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

If you are using a HDMI cable, a separate audio cable is required.

If your TV has a headphone jack, make sure there is nothing plugged into it.

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

For antenna or cable connections, check the signal strength. Low signal level may cause sound distortion

Check cable connections (remove and reconnect all cables connected to the TV and external devices).

Be sure to select the TV's correct source by pressing the SOURCE button on the TV remote

Change cable/satellite box resolution

reboots. It may take up to 20 minutes.

Make sure the wall outlet is working.

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

There is no sound or the sound is too low at Please check the volume of external device connected to your TV.

The picture is good but there is no sound. • Set the Speaker Select option to TV Speaker in the sound menu.

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

Many HD channels are up scaled from SD(Standard Definition) contents.

Low signal level or bad quality can cause picture distortion. This is not a TV issue.

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

• Make sure you are watching the TV at the minimum recommended distance based on the size and definition of the signal.

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

• If you are using an AV composite input, connect the video cable (yellow) to the Green jack of component input 1 on the TV.

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 when you have a HDMI connected to your TV).

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

Make sure the AC power cord is plugged in securely to the wall outlet and the TV.
 When watching TV from an antenna or cable connection, the TV will turn off after 10 ~ 15 minutes if there is no signal.

Set your external devices' (Cable/Set top 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.

• If connected with a cable box, please try to reset the cable box. Reconnect the AC cord and wait until the cable box

Compression of video contents may cause picture distortion especially in fast moving pictures such as sports and action

• Mobile phones used close to the TV (cca up to 1m) may cause noise in picture on analogue and digital TV.

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

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

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

Supported Video Formats

- 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 table above.

Name Container Format

MP4

H. 264 1920x1080 6-30 20Mbps

 MPEG1
 1920x1080
 6-30
 20Mbps

 MPEG2
 1920x1080
 6-30
 20Mbps

Text Format Text Format

- If the Index Table is in error, the Seek (Jump) function is not supported. • The menu may take longer to appear if the video's bit rate exceeds
- 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
- Above 1280 x 720: 30 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 mode of WMA Pro is not WMA Lossless is not supported

- 1. Press the ◀ or ▶ button to select Music, then press the ENTER ☐ 2. Press the </bd>
  ✓/►/▲/▼ buttons to select the desired Music in the file list
- Press the ENTER → button or ► (Play) button.
- During music playback, you can search using the ◀ and ▶ button.
- (REW) and (FF) buttons do not function during play.

The picture is distorted: macroblock erro small block, dots, pixelization

A "Mode Not Supported" message

The video is OK but there is no audio.

not turn the TV on or off, or adjust the

A "Mode Not Supported" message

here is a plastic smell from the TV

V is tilted to the right or left side.

closely at the edge of the frame of the TV.

- Only displays the files with MP3 file extension. Other file extensions are not displayed, even if they are saved on the same USB device.
- If the need to change Equalizer when playing MP3, then exit Media Play, adjust the Equalizer in the Sound menu. (An over-modulated MP3 file may cause a sound

### ■ Media Play - Additional Functions

Videos/Music/Photos Play Option menus

Picture Size

Audio language

When playing a file, press the TOOLS button.

ou can adjust the picture setting

You can play the video with Subtitles. This

ou can start or stop a Slide Show.

when watching a Slide Show.

☐ Using the Cricket Mode

☐ Indian Cinema Mode

Jov Plus Feature mode [+]

Only available for 5100

Media Play mode not available.

Items are stored in **Photos** folder in **Media Play**.

If you press any key, Audio Recording will be stopped

At least after 15 seconds the next capture can be operated again.

After turning on the **Joy Plus Feature** mode, press to make a recording of the current sound, press a gagain to stop the recording.

Items are stored in Music folder in Media Play.

Joy Plus Feature

Sound Recording

screen capture.

Using the Indian Cinema Mode

Cricket Mode Tools

You can zoom into images in full screen mode

Information You can see detailed information about the played file.

his mode provides optimised condition for watching sports games.

When Cricket Mode is On, the picture and sound modes are set to Stadium

If you turn the TV off while watching Cricket Mode, the Cricket Mode will be

When you set Indian Cinema Mode to On, the TV provides an optimal

This function is only available on certain models in specific geographical areas.

Cricket Mode, Game Mode, Cinema Mode can not be operated at the same

☐ Using the Joy Plus Feature mode

This mode provides a way to capture the images and audio.

Press [4] and the Joy Plus Feature mode will be turned on, or press

Before enabling the Joy Plus Feature mode, the USB device should be of

MENU button, enter Support Menu select Joy Plus Feature. Press [\*] again the Joy Plus Feature mode will be turned off.

After turning on the Joy Plus Feature mode, press c to make a current

Mode name may vary depending on nations. Cricket Mode, Sports Mode.

You can rotate images in full screen mode.

name as the video. u can change the audio language if the video

### 1. Press the ◀ or ▶ button to select Photos, then press the ENTER ☐ button in the Media Play menu.

- 2. Press the  $\blacktriangleleft/\triangleright/\blacktriangle/\blacktriangledown$  buttons to select the desired 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 the slide show.
- All files in the file list section will be displayed in the slide show.
- File Extension Container Video Codec Resolution Frame rate(fps) Bit rate(Mbps) Audio Codec During the slide show, files are displayed in order During the slide show, you can adjust the slide show speed using (◄◄) (REW) or (►►)

  - You can move to other file using 

    or 

    button. Press TOOLS button and select Background Music. Music files can be automatically played during the Slide Show if the Background Music is set to On.

The Mode in Background Music cannot be changed until the BGM has finished

Supported Photo Formats

Other Restrictions

### JPEG

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Set your PC's output resolution so it matches the resolutions supported by the TV.

If you are using a HDMI connection, check the audio output setting on your PC

Adjust the picture size options on your external device or TV to full screen.

Clean the transmission window located on the top of the remote control. • Try pointing the remote directly at the TV from 5~6 feet away.

SAMSUNG TV code

You have intermittent loss of audio or video. • Check the cable connections and reconnect them

here are recurrent picture/sound issues. • Check and change the signal/source.

This smell is normal and will dissipate over time.

· Remove the stand base from the TV and reassemble i

Loss of audio or video can be caused by using overly

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

A reaction may occur between the rubber cushion pads on the base stand and the top

Support Sylva Sylva

Replace the remote control batteries with the poles (+/-) in the right direction

There are difficulties assembling the stand 

• Make sure the TV is placed on a flat surface. It is necessary to use magnetized screw driver if you cannot remove the screws

Four settings are lost after 5 minutes or every in the TV is in the Store Demo mode, it will reset audio and picture settings every 5 minutes. If you want to change the settings in the TV is turned off.

🖏 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.

use. If mounting the TV to the wall, we recommend using cables with 90 degree connectors

The Broadcasting menu is only available when the TV source is selected.

A low signal can cause picture distortion. This is not a TV issue

Please try Setup (Plug & Play) to add available channels to the channel list. Go to MENU - System - Setup (Plug & Play) and

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

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

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

HD channels will have black bars on either side of the screen when displaying up scaled SD (4:3) content

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

CMYK, YCCK Colour space JPEG are not supported. ■ Playing Multiple Files

- Playing selected video/music/photo files
- 1. Press the Yellow button in the file list to select the desired file 2. Repeat the above operation to select multiple files.
- The 
   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 and select **Deselect All**. ■ Playing the video/music/photo file group

### While a file list is displayed, move to any file in desired group. ■ Copying the files to the other USB device For 5100 models

- Press the c button in the file list to select the desired file. 2. When you press the 🔳 button, the selected files copy to the other USB device.
- Available only when both USB devices are connected to the TV.
- The FAT32 file system cannot copy the file which size is more than 4GB.
- Copy is only available for 5100 models The maximum number of marked files for one folder is 999, if to be continued, 1

fore files can be marked in another folder.					
USB	Support File System				
Play (Read)	NTFS, FAT, FAT32				
Copy & Capture	FAT, FAT32				
Delete	NTFS,FAT,FAT32				
Format	NITES EAT EATSS				

All file system format will be transformed to FAT32 system after formating.

## Screen Capture

**✓** 

## After turning on the More TV Feature mode, press c to make a current

## Items are stored in Photos folder in Media Play

### Story Replay

- . To start Story Replay while watching TV, press **3**. This records audio in real-time, and captures the screen every 5 seconds in the meanwhile.
- 2. To stop Story Replay, pess 3. The recording is stored as a .plt file on the USB device connected to the TV. Thumbnails of the story recordings are then shown on the screen.
- Select the thumbnail screen to play the saved files on Media Play.
- You cannot change the channel or source to an external device. To change the channel or the source to an external device, first stop story
- Story Replay feature is just an application provided by Samsung and Samsung does not take any responsibility of its use by the user. The use/ intended use of the application is for the personal or private use of the user only. User shall be responsible for complying with all other laws of the land while using the application and shall further be liable for any damage, penalty, legal action arising out of misuse of application, including without limitation, infringement of Intellectual Property Rights.

### View Content

### Press MEDIAP to get into Media Play.

### Press ✓ or button to select Music and Story Replay for items of recording or Photos for items of capturing.

- Joy Plus Feature are for personal use only, not for commercial purpose and/or
- A Zoom: Pause playback and dived the picture into 9 parts. Select a part nmunication to the public
  - $\ensuremath{{\otimes}}$  The user may not use these features for commercial purposes without prior approval from the copyright owners and/or to use it unlawfully Samsung does not accept responsibility for any misuse of the service.

## □ Default Recording Device

You can set the default device for saving captured image files and recorded

This function is only available when the USB device is connected the TV, and Joy Plus Feature mode is on.

### ☐ Software Upgrade

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

# ☐ Changing the Use Mode

- Select the **Use Mode** suitable for your place. We strongly recommend you select Home Use
- Home Use: Home Use is the default setting.
- Store Demo: Store Demo is for retail environments only. If you select Store Demo, some functions will not work, and the picture settings will be reset every 5 minutes.

### □ DivX® Video On Demand

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

registration is completed. Sor more information on DivX® VOD, visit http://vod.divx.com

### ☐ HD Connection Guide You can read a guide to connect external devices for HD sources.

# Contact Samsung

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

## If you remove the attached sticker on the TV screen, clean the residues and then watch TV.



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 agent.

## Securing the Installation Space

Failing to do so may result in fire or a problem with the product due to an increase in the internal temperature of the product.

If you use parts provided by another manufacturer, it may result in a problem with the product or an injury due to the product falling.

# Be careful when you contact the TV because some parts can be somewhat hot Installation with a stand. Installation with a wall-mount.

# Licence

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

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 720p, including premium content. DivX®, DivX Certified® and associated logos are trademarks of DivX, LLC and are used under license.

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Open Source used in this product can be found on the following webpage, (http://opensource.samsung.com) Open Source License Notice is written only English

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# Storage and Maintenance



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

# product may cause a failure, fire, or electric shock.

# Keep the required distances between the product and other objects (e.g., walls) to ensure proper ventilation

When using a stand or wall-mount, use parts provided by Samsung Electronics only.

The appearance may differ depending on the product.

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### Securing the TV to the Wall

### Installing the Wall Mount 1. Installing other Wall Mount Kits. Please refer as follow:

Wall Mount Kit Specifications (VESA)

The wall mount kit is not supplied, but sold separately

you to do it yourself.

NOTE

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

the wall. For detailed information on installing the wall mount, see the

instructions provided with the wall mount. Contact a technician for assistance when installing the wall mount bracket. We do not advice

product or injury to yourself or others if you select to install the TV on

Samsung Electronics is not responsible for any damage to the

nstall your wall mount on a solid wall perpendicular to the floor. When

attaching to other building materials, please contact your nearest deale

you install the TV on a ceiling or slanted wall, it may fall and result in severe

Standard dimensions for wall mount kits are shown in the table

When purchasing our wall mount kit, a detailed installation

manual and all parts necessary for assembly are provided

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

• Do not use screws longer than the standard dimension, as they

may cause damage to the inside of the TV set.

For wall mounts that do not comply with the VESA standard

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

Samsung is not liable for product damage or personal injury

when a non-VESA or non-specified wall mount is used or the

200 X 200

400 X 400

due to electric shock.

consumer fails to follow the product installation instructions

screw specifications, the length of the screws may differ depending on the wall mount specifications.

Samsung is not liable for these kinds of accidents.

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

· Always have two people mount the TV on a wall.

Models

UA48J5100

# To prevent the TV from falling

## provided on the included Safety Flyer. For added stability, install the anti-fall device for safety purposes, as follows.

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

- Since the necessary clamps, screws, and string are not supplied, please rchase these additionally
- 1. Put the screws into the clamps and firmly fasten them onto the wall. Confirm that the screws have been firmly installed onto the wall. You may need additional material such as an anchor depending on the type of
- Since the necessary clamps, screws, and string are not supplied, please
- ourchase these additionally. 2. Remove the screws from the back Centre of the TV, put the screws into the clamps, and then fasten the screws onto the TV again.
- Screws may not be supplied with the product. In this case, please purchase the screws of the following specifications.

# 3. Connect the clamps fixed onto the TV and the clamps fixed onto the wall with a strong cable and then tie the string tightly.

- · Install the TV near to the wall so that it does not fall backwards.
- It is safe to connect the string so that the clamps fixed on the wall are equal to or lower than the clamps fixed on the TV.

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

 Until the string before moving the TV. 4. Verify all connections are properly secured. Periodically check

Kensington Lock The Kensington Lock is not supplied by Samsung. It is a device used to physically fix the system when using it in a public place. Refer to the manual provided with the Kensington Lock for additional information on

proper use. VESA scew hole specs (A \* B) in millimeters Screw Quantity Please find a "@" icon on the rear of the TV. The Kensington slot is beside the

To lock the product, follow these steps: 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. These are general instructions. For exact instructions, see the 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.

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### Specifications Environmental Considerations 10°C to 40°C (50°F to 104°F) Operating Temperature 10% to 80%, non-conder Storage Temperature -20°C to 45°C (-4°F to 113°F 5% to 95%, non-condensing torage Humidity UA32J5100 UA40J5100 UA48J5100 Model Name 1920 X 1080 Display Resolutio Screen Size 81 cm 102 cm 121 cm 10W X 2 Output Dimensions (W x H x D) 72.1 X 42.4 X 6.6 cm 90.7 X 52.9 X 6.6 cm 107.6 X 62.4 X 6.7 cm 72.1 X 47.3 X 20.7 cm 90.7 X 58.6 X 28.8 cr 107.6 X 68.3 X 31.0 cn With stand

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Design and specifications are subject to change without prior notice.

With stand

For information about the power required and more about power consumption, refer to the label attached to the produce The option may differ depending on country.

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12.5 kg