

**SAMSUNG**

# USER MANUAL

## The Frame

### LS03 SERIES


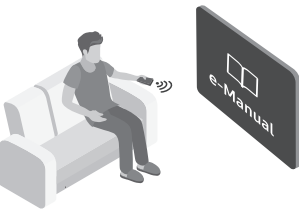


Thank you for purchasing this Samsung product.

To receive more complete service, please register your product at [www.samsung.com](http://www.samsung.com)

Model \_\_\_\_\_ Serial No. \_\_\_\_\_

# Before Reading This User Manual



This TV comes with this user manual and an embedded e-Manual.  
Before reading this user manual, review the following:

	<b>User Manual</b>	Read this provided user manual to see information about product safety, installation, accessories, initial configuration, and product specifications.
	<b>e-Manual</b>	For more information about this TV, read the e-Manual embedded in the product. <ul style="list-style-type: none"><li>To open the e-Manual,  &gt;  <b>Settings</b> &gt; <b>Support</b> &gt; <b>Open e-Manual</b></li></ul>



On the website (www.samsung.com), you can download the manuals and see its contents on your PC or mobile device.

## Learning the e-Manual's assistance functions

- Some menu screens cannot be accessed from the e-Manual.

	<b>Search</b>	Select an item from the search results to load the corresponding page.
<b>A-Z</b>	<b>Index</b>	Select a keyword to navigate to the relevant page. <ul style="list-style-type: none"><li>The menus may not appear depending on the geographical area.</li></ul>
	<b>Recent pages</b>	Select a topic from the list of recently viewed topics.

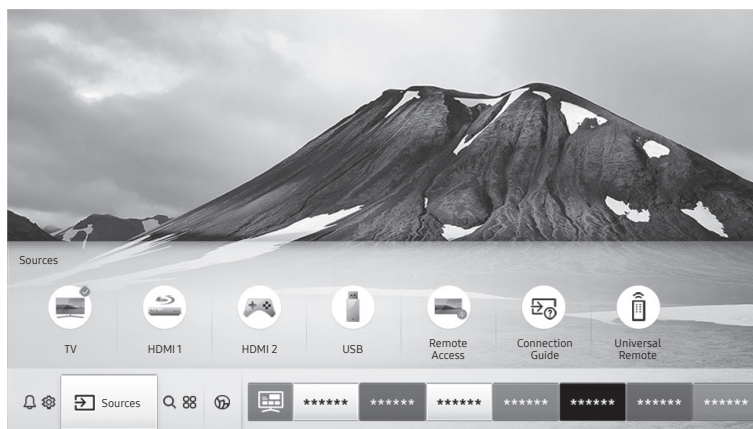
## Learning the functions of the buttons that appear on e-Manual topic pages

	<b>Try Now</b>	Allows you to access the corresponding menu item and try out the feature right away.
	<b>Link</b>	Access an underlined topic referred to on an e-Manual page immediately.

# Features of your new TV

## Home Screen

In Home Screen, you can easily run the apps that have been used previously or frequently. The apps can also be moved or deleted in the screen.



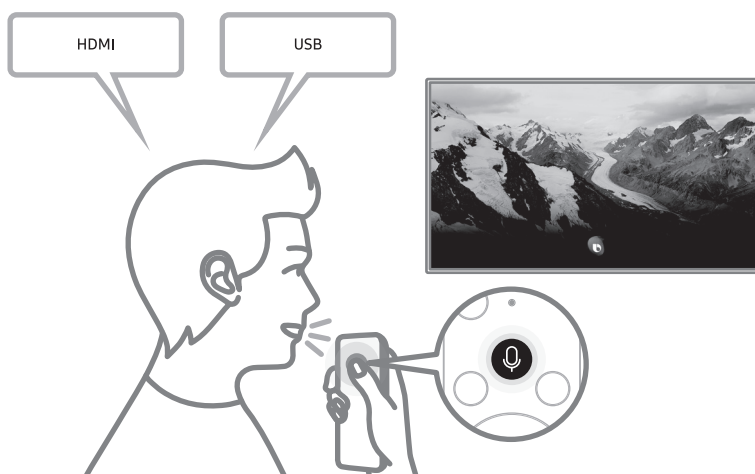
- The image on your TV may differ from the image above depending on the model and geographical area.

## e-Manual

Get help from a detailed, on-screen user's manual built into your TV.

## Bixby







Access and control menu options and functions using Bixby.



- The image on your TV may differ from the image above depending on the model and geographical area.

# Warning! Important Safety Instructions

Please read the Safety Instructions before using your TV.  
Refer to the table below for an explanation of symbols which may be on your Samsung product.

CAUTION			Class II product: This symbol indicates that a safety connection to electrical earth (ground) is not required. If this symbol is not present on a product with a mains lead, the product MUST have a reliable connection to protective earth (ground).
RISK OF ELECTRIC SHOCK. DO NOT OPEN.			
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). THERE ARE NO USER SERVICEABLE PARTS INSIDE. REFER ALL SERVICING TO QUALIFIED PERSONNEL.			AC voltage: Rated voltage marked with this symbol is AC voltage.
	This symbol indicates that high voltage is present inside. It is dangerous to make any kind of contact with any internal part of this product.		DC voltage: Rated voltage marked with this symbol is DC voltage.
	This symbol indicates that this product has included important literature concerning operation and maintenance.		Caution. Consult instructions for use: This symbol instructs the user to consult the user manual for further safety related information.

- 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 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 vessels (vases etc.) containing water on this apparatus, as this can result in a 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 apparatus accidentally gets wet, unplug it and contact an authorised dealer immediately.
- This apparatus uses batteries. In your community, there might be environmental regulations that require you to dispose of these batteries properly. 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 placed 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, at wall outlets, and at the point where they exit from the appliance.
- To protect this apparatus from a lightning storm, or when 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 that the voltage designation of the DC adaptor corresponds to the local electrical supply.
- Never insert anything metallic into the open parts of this apparatus. This may cause a danger of electric shock.
- To avoid electric shock, never touch the inside of this apparatus. Only a qualified technician should open this apparatus.
- Be sure to plug in the power cord until it is firmly seated. When unplugging the power cord from a wall outlet, always pull on the power cord's plug. Never unplug it by pulling on the power cord. Do not touch the power cord with wet hands.
- If this apparatus 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 Samsung service centre.
- Be sure to pull the power plug out of the outlet if the TV is to remain unused or if you are going 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 by causing the insulation to deteriorate.

- Be sure to contact an authorised Samsung service centre for information if you intend to install your TV in a location with heavy dust, high or low temperatures, high humidity, chemical substances, or where it will operate 24 hours a day such as in an airport, a train station, etc. Failure to do so may lead to serious damage to your TV.
  - Use only a properly grounded plug and wall outlet.
    - An improper ground may cause electric shock or equipment damage. (Class I Equipment only.)
  - To turn off this apparatus completely, disconnect it from the wall outlet. To ensure you can unplug this apparatus quickly if necessary, make sure that the wall outlet and power plug are readily accessible.
  - Store the accessories (batteries, etc.) in a location safely out of the reach of children.
  - Do not drop or strike the product. If the product is damaged, disconnect the power cord and contact a Samsung service centre.
  - To clean this apparatus, unplug the power cord from the wall outlet and wipe the product with a soft, dry cloth. Do not use any chemicals such as wax, benzene, alcohol, thinners, insecticide, aerial fresheners, lubricants, or detergents. These chemicals can damage the appearance of the TV or erase the printing on the product.
  - Do not expose this apparatus to dripping or splashing.
  - Do not dispose of batteries in a fire.
  - Do not short-circuit, disassemble, or overheat the batteries.
  - There is danger of an explosion if you replace the batteries used in the remote with the wrong type of battery. Replace only with the same or equivalent type.
- \* The figures and illustrations in this User Manual are provided for reference only and may differ from the actual product appearance. The product design and specifications may change without notice. CIS languages (Russian, Ukrainian, Kazakhs) are not available for this product, since this is manufactured for customers in the EU region.

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## 06 The Remote Control

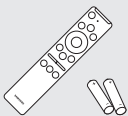




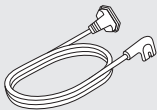
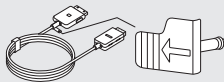




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# 01 What's in the Box?

Make sure the following items are included with your TV. If any items are missing, contact your dealer.

			
Samsung Smart Remote & Batteries (AA x 2)	Remote Control & Batteries (AAA x 2)	User Manual	Regulatory Guide
			
One Connect	One Connect Power Cable	One Invisible Connection	Bending Cover
			
x 4			
Wall Mount Adapter	Cover Cap	Holder-Cable	

- The items' colours and shapes may vary depending on the models.
- Cables not included can be purchased separately.
- Check for any accessories hidden behind or in the packing materials when opening the box.

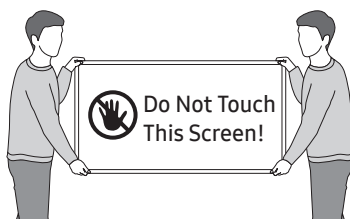
An administration fee may be charged in the following situations:

- (a) An engineer is called out at your request, but it is found that the product has no defect (i.e., where the user manual has not been read).
- (b) You bring the unit to a Samsung service centre, but it is found that the product has no defect (i.e., where the user manual has not been read).

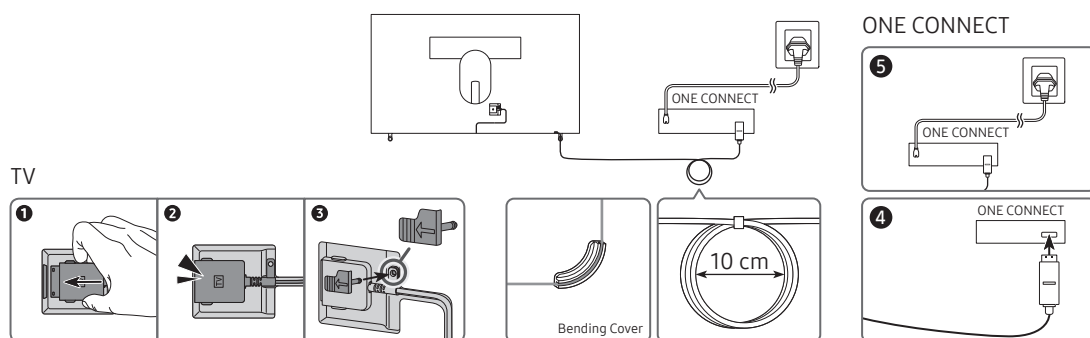
You will be informed of the administration fee amount before a technician visits.



**Warning:** Screens can be damaged from direct pressure when handled incorrectly. We recommend lifting the TV at the edges, as shown.



## 02 Connecting the TV to the One Connect



To connect the One Invisible Connection to the One Connect and your TV, follow these steps:

1. After the TV is completely set up and placed in its final position, connect the One Invisible Connection to the One Connect and the TV as shown in Steps 1 to 4 above.  
**WARNING:** Make sure that both connectors are fully and firmly connected. If either connector is not connected properly, there is a danger of severe electric shock.
2. Connect the One Connect AC power cord to the One Connect, and then connect the cord to a wall outlet as shown in Step 5 above.  
**WARNING:** Follow the directions exactly. Be sure to connect the power cord to the wall outlet as the last step. Always disconnect the power cord from the wall outlet before disconnecting the One Invisible Connection from the back of the TV or from the One Connect.
  - See the illustrated Quick Setup Guide for more information.
3. Connect your peripherals (aerial, cable box, Blu-ray player, etc.) to the One Connect. See the Accessory Kit for details.



- Do not use the One Connect in the upside-down or upright position.
- When connecting the One Invisible Connection, use a Bending Cover, which prevents the cable of the One Invisible Connection from being bent at a 90 degree angle, to bend the cable. Failure to do so may cause damage to the cable.
- When connecting the One Invisible Connection, pay attention to the shapes and sizes of its connectors so that they are connected correctly. Failure to do so may cause product malfunction.
- When connecting the One Invisible Connection, be careful not to twist the cable of the One Invisible Connection. Failure to do so may cause performance degradation of the TV or damage to the cable.
- When arranging the remaining cable, refer to the figure on the previous page for the correct arrangement.
- Take care not to subject the cable to any of the actions below. The One Invisible Connection contains a power circuit. You could damage the cable and subject yourself to an electric shock.
- Handle the One Connect carefully. It is heavy.



Bending



Twisting



Pulling



Pressing on



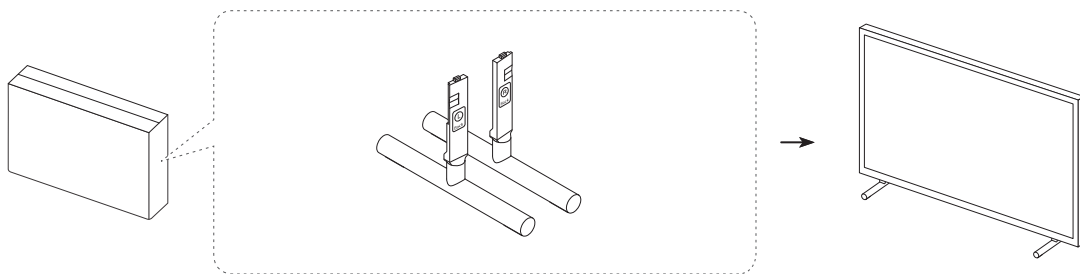
Electric shock

#### CLASS 1 LASER PRODUCT (One Invisible Connection)

- Caution - Invisible laser radiation when open. Do not stare into beam.
  - Do not bend the One Invisible Connection cable excessively. Do not cut the cable.
  - Do not place heavy objects on the cable.
  - Do not disassemble either of the cable connectors.
- Caution - Use of controls, adjustments, or the performance of procedures other than those specified herein may result in hazardous radiation exposure.

## 03 Assembling the TV

### Attaching the TV to the Stand



Make sure you have all the accessories shown, and that you assemble the stand following the provided assembly instructions.

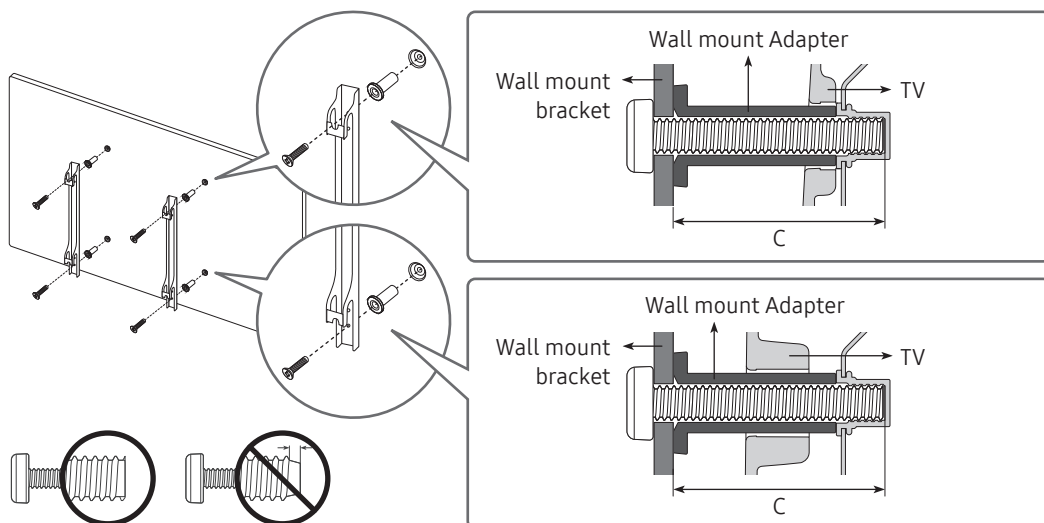
## Mounting the TV on a wall



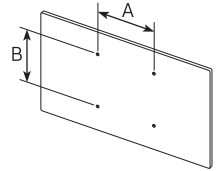
If you mount this TV on a wall, follow the instructions exactly as set out by the manufacturer. Unless it is correctly mounted, the TV may slide or fall and cause serious injury to a child or adult and serious damage to the TV.

For models providing wall mount adapters, install them as shown in the figure below before installing the wall mount kit.

- Refer to the installation manual included with the Samsung wall mount kit.



- Samsung Electronics is not responsible for any damage to the product or injury to yourself or others if you choose to install the wall mount on your own.
- You can install your wall mount on a solid wall perpendicular to the floor. Before attaching the wall mount to surfaces other than plaster board, contact your nearest dealer for additional information. If you install the TV on a ceiling or slanted wall, it may fall and result in severe personal injury.
- Standard dimensions for wall mount kits are shown in the table on the next page.
- If you are installing a third-party wall mount, note that the length of the screws you can use to attach the TV to the wall mount is shown in column C in the table on the next page.
- When installing a wall mount kit, we recommend you fasten all four VESA screws.
- If you want to install a wall mount kit that attaches to the wall using two top screws only, be sure to use a Samsung wall mount kit that supports this type of installation. (You may not be able to purchase this type of wall mount kit, depending on the geographical area.)

TV size in inches	VESA screw hole specs (A * B) in millimetres	C (mm)	Standard Screw	Quantity	
43-49	200 x 200	43-45	M8	4	
55-65	400 x 400				



**Do not install your wall mount kit while your TV is turned on. This may result in personal injury from electric shock.**

- Do not use screws that are longer than the standard dimension or do not comply with the VESA standard screw specifications. Screws that are too long may cause damage to the inside of the TV set.
- For wall mounts that do not comply with the VESA standard screw specifications, the length of the screws may differ depending on the wall mount specifications.
- Do not fasten the screws too firmly. This may damage the product or cause the product to fall, leading to personal injury. Samsung is not liable for these kinds of accidents.
- Samsung is not liable for product damage or personal injury when a non-VESA or non-specified wall mount is used or when the consumer fails to follow the product installation instructions.
- Do not mount the TV at more than a 15 degree tilt.
- Always have two people mount the TV onto a wall.

## Providing proper ventilation for your TV

When you install your TV and One Connect, maintain a distance of at least 10 cm between the One Connect with other objects (walls, cabinet sides, etc.) to ensure proper ventilation. Failing to maintain proper ventilation may result in a fire or a problem with the product caused by an increase in its internal temperature.

- When you install your TV with a stand or a wall mount, we strongly recommend you use parts provided by Samsung Electronics only. Using parts provided by another manufacturer may cause difficulties with the product or result in injury caused by the product falling.

## Other Cautions

- The actual appearance of the TV may differ from the images in this manual, depending on the model.
- Be careful when you touch the TV. Some parts can be somewhat hot.

## Safety Precaution: Securing the TV to the wall to prevent falling



**Caution:** Pulling, pushing, or climbing on the TV may cause the TV to fall. In particular, ensure your children do not hang on or destabilise the TV. This action may cause the TV to tip over, causing serious injuries or death. Follow all safety precautions provided in the Safety Flyer included with your TV. For added stability and safety, you can purchase and install the anti-fall device as described on the next page.



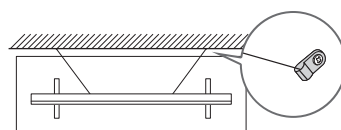
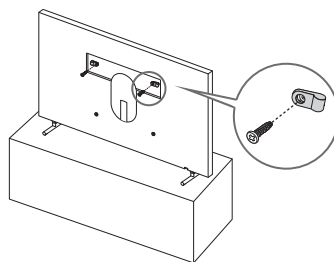
**WARNING:** Never place a television set in an unstable location. The television set may fall, causing serious personal injury or death. Many injuries, particularly to children, can be avoided by taking simple precautions such as:

- Using cabinets or stands recommended by the manufacturer of the television set.
- Only using furniture that can safely support the television set.
- Ensuring the television set is not overhanging the edge of the supporting furniture.
- Not placing the television set on tall furniture (for example, cupboards or bookcases) without anchoring both the furniture and the television set to a suitable support.
- Not placing the television set on cloth or other materials that may be located between the television set and supporting furniture.
- Educating children about the dangers of climbing on furniture to reach the television set or its controls.

If you are retaining and relocating the television set that you are replacing with this new set, you should apply the same precautions to the old set.

## Preventing the TV from falling

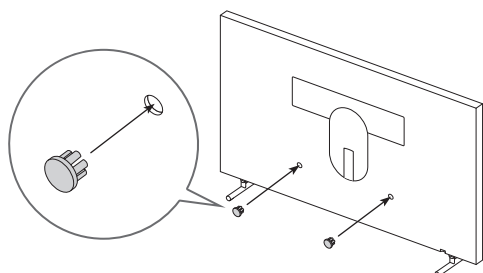
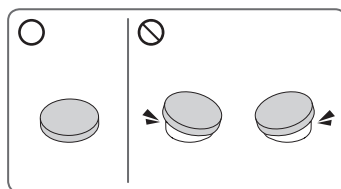
1. Using the appropriate screws, firmly fasten a set of brackets to the wall. Confirm that the screws are firmly attached to the wall.
  - You may need additional material such as wall anchors depending on the type of wall.
2. Using the appropriately sized screws, firmly fasten a set of brackets to the TV.
  - For the screw specifications, refer to "Standard Screw" in the table on the previous page.
3. Connect the brackets fixed to the TV and the brackets fixed to the wall with a durable, heavy-duty string, and then tie the string tightly.
  - Install the TV near the wall so that it does not fall backwards.
  - Connect the string so that the brackets fixed to the wall are at the same height as or lower than the brackets fixed to the TV.



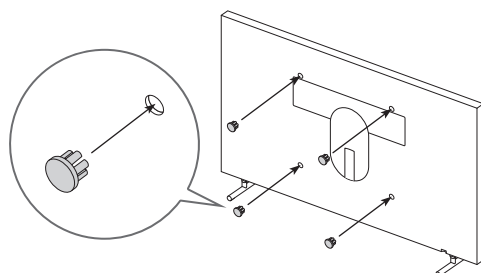
- The product colour and shape may vary depending on the model.

## Using the Cover Cap

When you do not use the VESA wall mount, you can cover the wall mount screw holes with cover caps. See the image below.



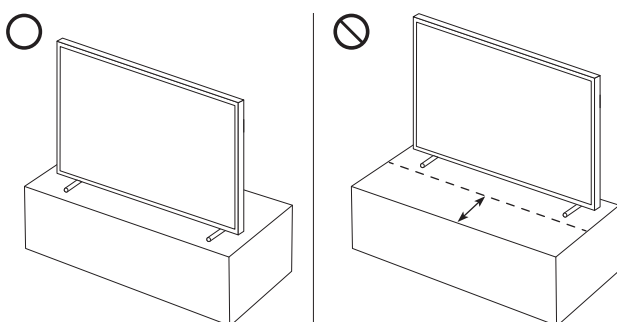
<43-49 inches>



<55-65 inches>

## Precautions when installing the TV with a stand

When you install the TV with a stand, avoid placing the stand on the back part of the table surface. Failure to do so may cause the motion sensor at the bottom of the TV not to work properly.










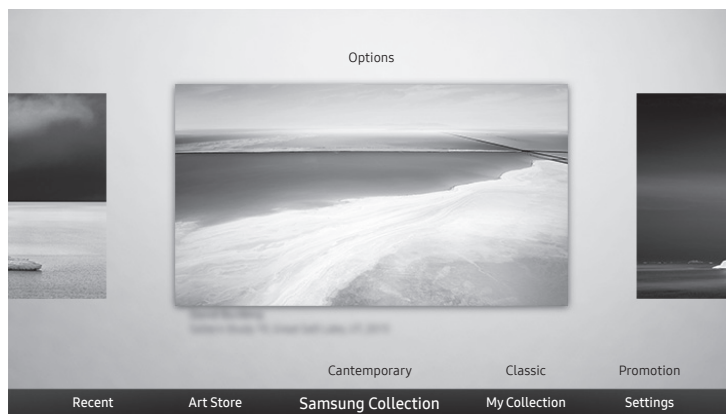
## 04 Using Art Mode

### > Art


You can use **Art** mode function to display image content such as artworks or photos when you are not watching TV in full screen mode.

- Press the  button on the remote control to switch to TV mode or **Art** mode.
- Press the  button in **Art** mode to switch to TV mode.
- To turn off the TV completely, press and hold the  button on the remote control, or press the TV Controller button at the bottom of the TV.
  - If you use a remote control other than the Samsung Smart Remote, the TV may not be turned off completely.
- In **Art** mode, the brightness and colour tone of your TV are automatically adjusted depending on the ambient, and the TV can be automatically turned on or off.
  - The TV is set to turn off the screen automatically in a certain period of time after darkening the screen when the ambient light dims in **Art** mode.
- You can use **Art** mode settings ( >  **Art** > **Settings**) on the TV or SmartThings app on your mobile device to set the sensitivity of the motion detector so that the TV can detect visual changes including user movements and turn on or off automatically.
- In **Art** mode, you can connect your mobile device to the TV using the SmartThings app on the mobile device to view photos on the mobile device.
  - This function may not be supported depending on the TV model or mobile device.
  - Supported features may differ depending on the version of the SmartThings app.

## Viewing images



- The image on your TV may differ from the image above depending on the model and geographical area.

To view an image in **Art** mode, select one of the menus below. To switch to the sub menu where you can select images, press the Select button, one of the four directional buttons, or  button in **Art** mode. Then, use the directional buttons on the remote control to move to desired image, and then press the Select button. ✓ **Set** appears at the top of the selected image, and you can view the selected image in **Art** mode.

- **Recent**  
You can manipulate the last selected images.
- **Art Store**  
You can go to **Art Store** to purchase various images.
  - The **Art Store** may not appear depending on the network connection status.
- **Samsung Collection**  
You can choose images from different topics.
- **My Collection**  
You can view a list of artworks and photos that you set as ♥ **Favourite** in **Favourites**. You can also select the desired ones among the images saved on an external storage device or a mobile device and save them in **My Photos**.
  - In order to fetch the images from your mobile device, the SmartThings app must have been installed in your mobile device.

## Viewing images by time

1. Use the directional buttons on the remote control to move to **Samsung Collection** or **My Collection**.
2. Use the directional buttons to move to one of the sub menus.
3. Use the directional buttons on the remote control to move to **Options** at the top of the screen.
4. Press the Select button when the **Start Slideshow** item appears.
5. Use the directional buttons on the remote control to select the time that images will be replaced, and then press the Select button.

## Import images from an external storage device

1. Connect an external storage device that contains images to the TV.
2. Use the directional buttons on the remote control to move to **My Collection**, and then move to the connected external storage device.
3. Use the directional buttons on the remote control to move to **Options** at the top of the screen, and then select **Save**.
4. Use the directional buttons on the remote control to move to an image, and then press the Select button.
  - You can select multiple images.
5. Use the directional buttons on the remote control to move to **Save to My Photos** at the top of the screen, and then press the Select button.
6. The selected image or images are saved in **My Photos**.
  - Recommended resolutions: 3840 x 2160 (16:9)

## Buying images from Art Store

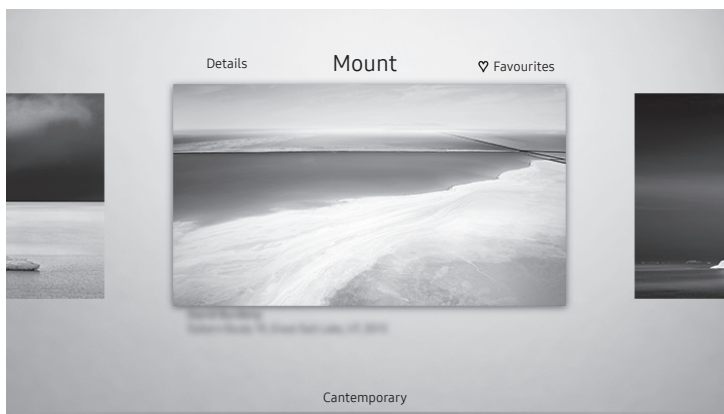
1. Use the directional buttons on the remote control to move to **Art Store**.
2. Use the directional buttons on the remote control to move to a topic, and press the Select button. The images corresponding to the topic appear on the screen.
3. Use the directional buttons on the remote control to move to an image, and press the Select button.
4. Use the directional buttons on the remote control to move to **Buy** at the top of the screen, and then press the Select button to buy the selected image.
5. Use the directional buttons on the remote control to select payment methods, and then press the Select button.
6. Follow the on-screen instructions to procedure payment.

## Subscribing to Art Store Membership

When you subscribe to **Art Store Membership**, you can use **Art Store** unlimitedly and enjoy various art works by replacing them with new ones according to your preferences.

1. Use the directional buttons on the remote control to move to **Art Store**.
2. Use the directional buttons on the remote control to move to **Membership**.
3. Follow the on-screen instructions to enter your membership information.

## Setting the style of the selected image



- The image on your TV may differ from the image above depending on the model and geographical area.

Use the directional buttons on the remote control to move to **Options** at the top of the screen. You can use the following menus:

- **Details**  
You can find more information about the image.
- **Mount**  
You can apply various border styles and colours to the image according to your preferences.
- **Favourite**  
You can set (or not set) an image that you prefer as a favourite item by pressing the Select button on the remote control. You can view a list of items set as your favourites in **My Collection > Favourites**.
  - **Favourite:** Not set as a favourite.
  - **Favourite:** Set as a favourite.

### Apply a border style and a colour to an image


1. Using the directional buttons on the remote control to move to the image whose border style and colour you want to change, move to **Mount** at the top of the screen, and then press the Select button.
2. Use the directional buttons on the remote control to select the border style and colour that you want.
3. Change the border style and colour, and then press the Select button to move the focus to the image.
  - If you want to change only either the border style or the color, change it, and then press the Select button to save the changes.
4. To save the selected border style and colour, press the Select button again.
  - If you press the button to exit, the border style and colour you changed are not saved.

## Setting up Art mode

In Art mode, use the directional buttons on the remote control to move to the **Settings** menu item at the bottom. You can adjust the following functions:

- **Colour & Brightness**

Use the directional buttons on the remote control to move to **Modify** at the top, and then press the Select button. In the next screen, adjust the picture colour and brightness. After selecting the desired settings, press the Select button on the remote control.

- To immediately set **Colour & Brightness** while enjoying **Art** mode, press the  button on the remote control.

- **Sleep After**

If no motion is detected around the TV for the set time, the TV turns off automatically. Use the directional buttons on the remote control to move to the top items. After selecting the desired time, press the Select button on the remote control.

- **Motion Detector**

The sensitivity of the motion detector function can be adjusted. Use the directional buttons on the remote control to move to the top items. After selecting the desired sensitivity, press the Select button on the remote control.

- **Night Mode**

When this function is turned on, the TV turns off automatically if no light is detected around the TV. Use the directional buttons on the remote control to move to the top items, and then turn this function on or off.

## Remove images from My Collection

You can remove the saved images from **My Collection**.

1. Use the directional buttons on the remote control to move to **My Collection**.
2. Use the directional buttons on the remote control to move to **Favourites** or **My Photos**.
3. Use the directional buttons on the remote control to move to **Options** at the top of the screen.
4. Move the focus to **Remove**, and then press the Select button on the remote control.
5. Use the directional buttons on the remote control to move to an image, and then press the Select button.
  - You can select multiple images.
6. Use the directional buttons on the remote control to move to **Remove Selected** at the top of the screen, and then press the Select button.

## Using Art mode with the SmartThings app

Once you have installed the SmartThings app on your mobile device, you can use the following functions:

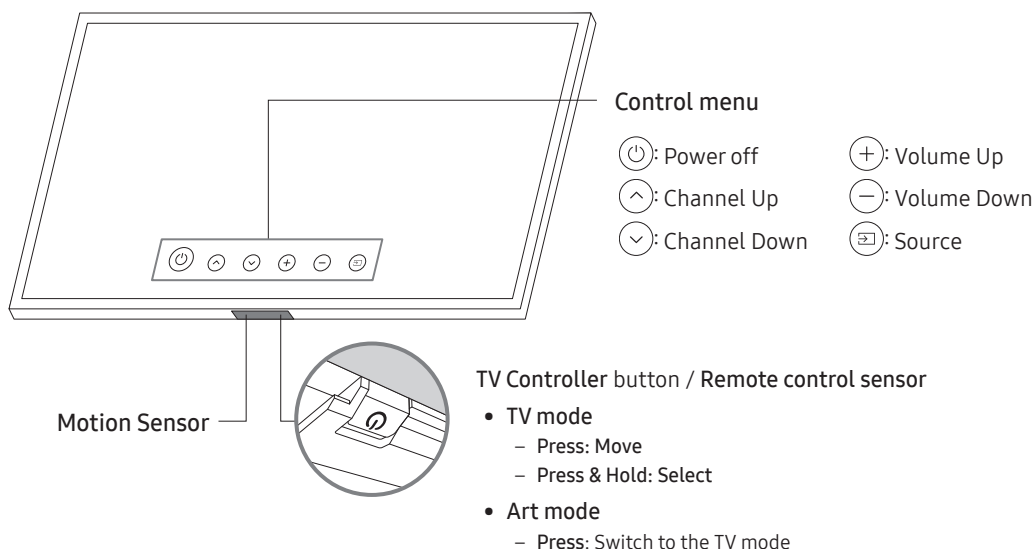
You can download the SmartThings app from Google Play Store, Samsung Apps, or the App Store.

- The features or terminology may vary depending on the version of the SmartThings app.
- On tablet devices, **Art** mode features may not be supported by the SmartThings app.
  - Selecting images
  - Subscribing to **Art Store Membership**
  - Creating Collage: Combine multiple images into one image.
  - Applying border styles and colours to images
  - Setting the colour tone and the brightness for **Art** mode
  - Setting Sleep After: When no motion is detected for the time specified in **Art** mode, the TV turns off automatically.
  - Setting Night Mode: Set The Frame to turn off automatically if no light is detected in the room.
  - Setting Motion Detector: Set the sensor sensitivity so that the TV turns on automatically when motion is detected in **Art** mode.

# 05 The TV Control Stick

## Using the TV Controller

You can turn on the TV with the **TV Controller** button at the bottom of the TV, and then use the **Control menu**. The **Control menu** appears when the **TV Controller** button is pressed while the TV is On. For more information about its usage, refer to the figure below.



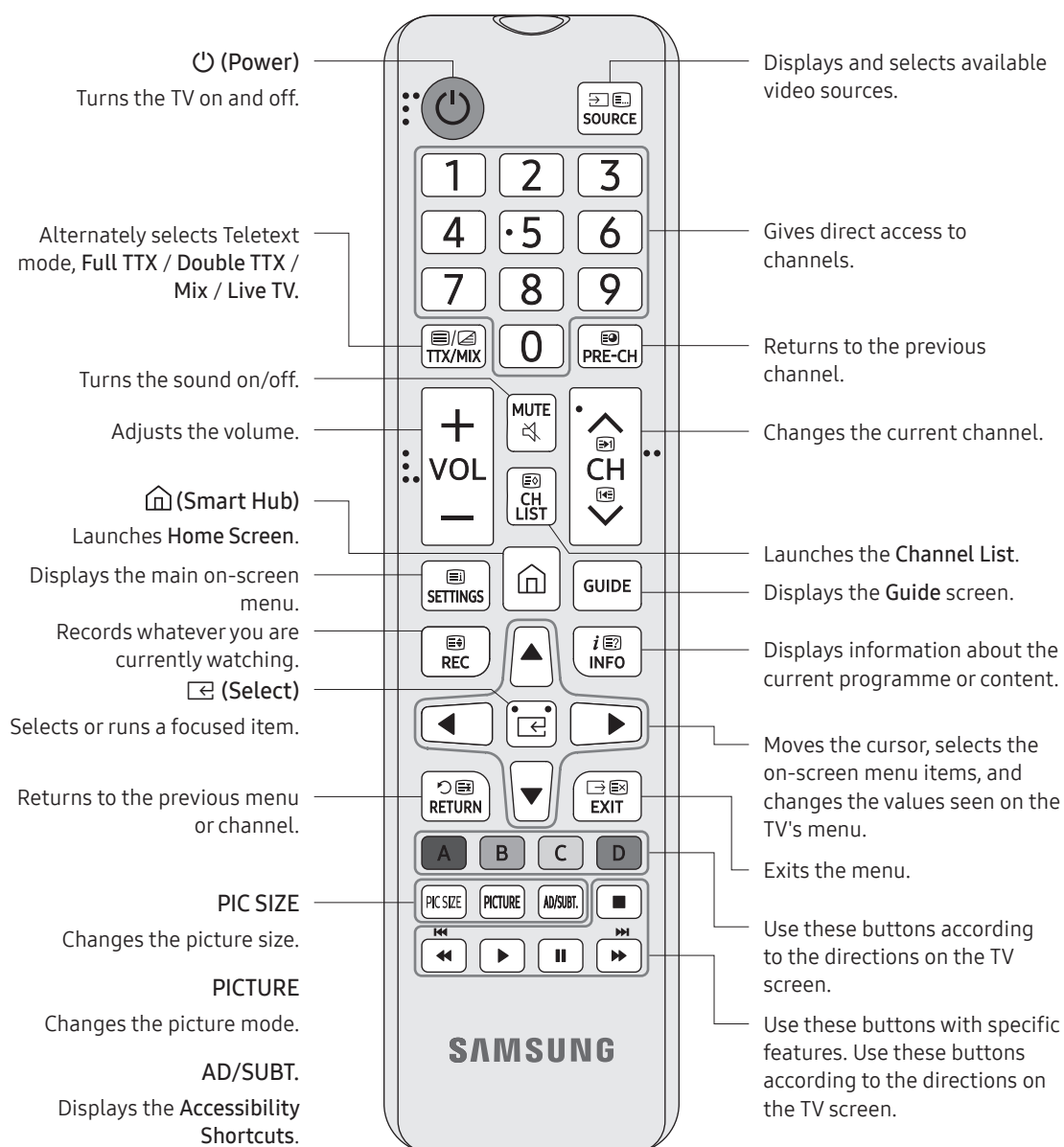
The **TV Controller** button is located on the bottom of the TV.

- When you press the **TV Controller** button, be careful not to press the motion sensor close to it.
- In **Art mode**, the power indicator at the bottom of the TV remains off.
- After detaching the Customizable Frame (sold separately) from the TV, push up the remote control sensor so that it returns to its original position.
  - Do not push up the remote control sensor strongly. There is a risk of damage.

# 06 The Remote Control

## About the Buttons on the Remote Control

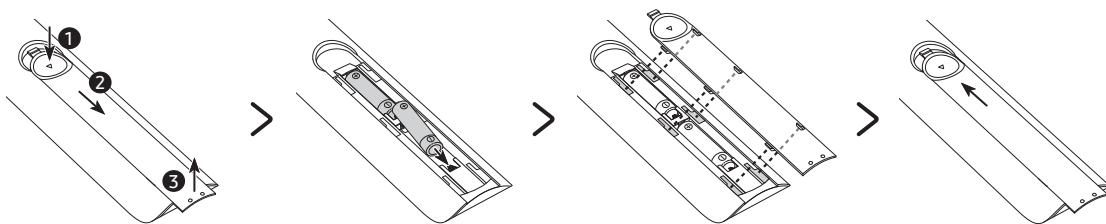
- This remote control has Braille points on the **Power**, **Channel**, **Volume**, and **Select** buttons and can be used by visually impaired persons.
- The images, buttons, and functions of the remote control may differ depending on the model.
- If you use the remote control that comes with your TV to control another TV, some functions may not operate normally.





## Installing batteries into the remote control (Battery size: AAA)

Match the polarities of the batteries to the symbols on the battery compartment.

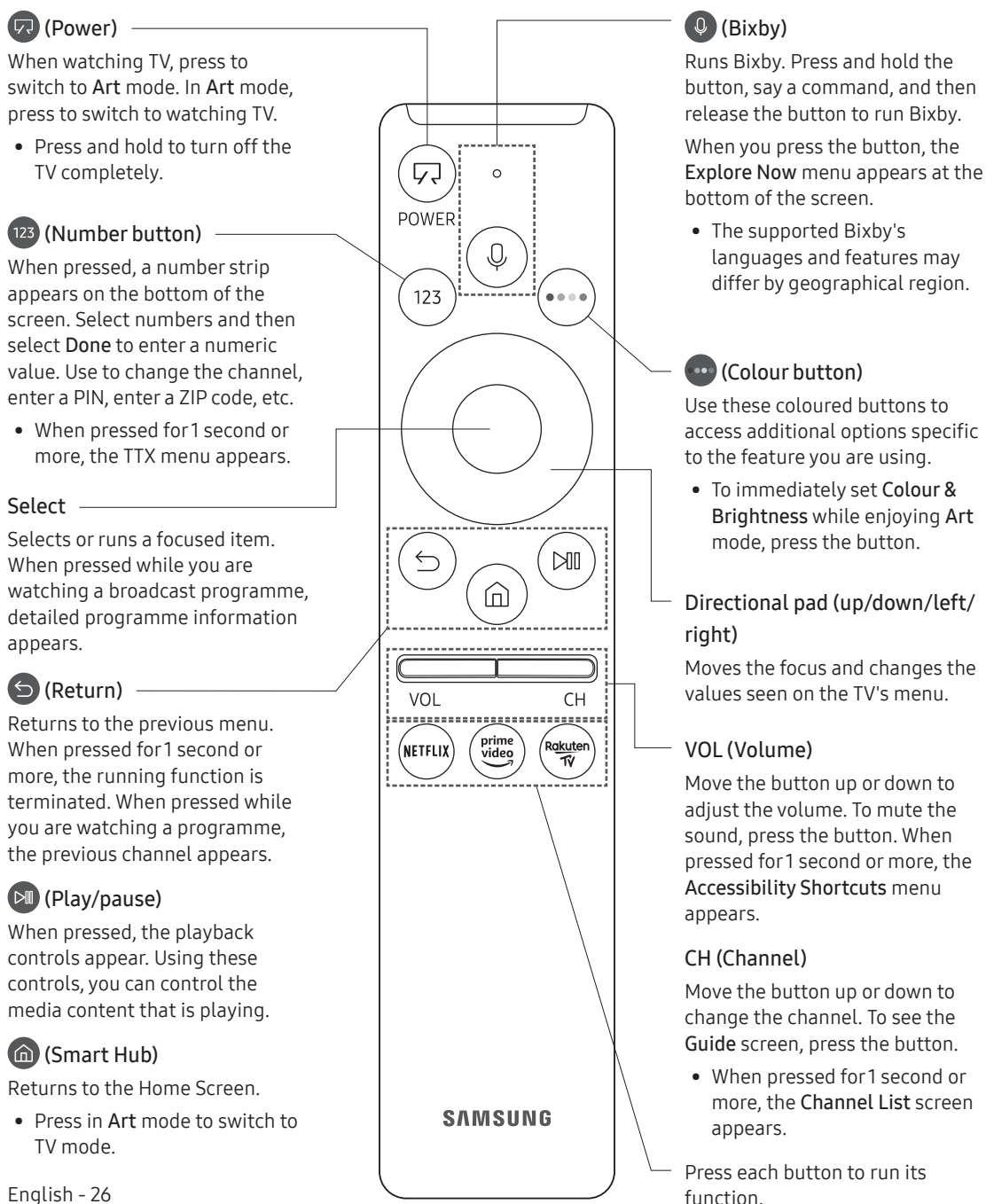


- The colour and shape of the remote may vary depending on the model.
  - Use the remote control within 7 m of the TV.
  - Bright lights may affect the performance of the remote control. Avoid using the remote control near special fluorescent lights or neon signs.
  - Alkaline batteries are recommended for longer battery life.
1. Gently pull on the battery cover's notch and then remove the cover completely once it comes loose.
  2. Insert 2 AAA alkaline batteries, making sure to align the positive and negative polarities correctly.
  3. Place the battery cover on the remote control and insert the cover into the remote control.
  4. Slide the battery cover in the order shown above so that the cover is completely attached to the remote control.

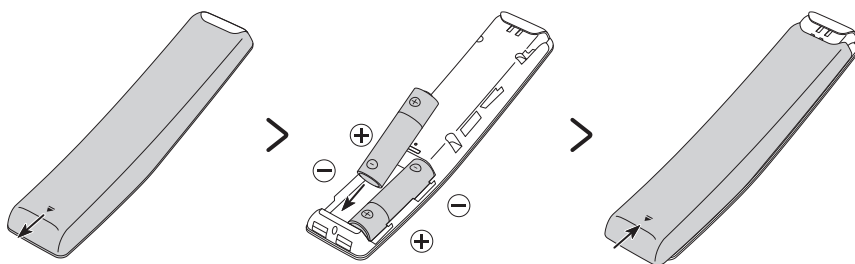
# 07 The Samsung Smart Remote

## About the Buttons on the Samsung Smart Remote

- The images, buttons, and functions of the Samsung Smart Remote may differ depending on the model.
- The Universal Remote function operates normally only when you use the Samsung Smart Remote that comes with the TV.




## Installing batteries into the Samsung Smart Remote



To install the batteries, push the rear cover open in the direction of the arrow at the bottom of the illustration, and then insert the batteries as shown in the figure. Make sure that the positive and negative ends are facing in the correct direction. Close the rear cover as shown.



- Alkaline batteries are recommended for longer battery life.

## About the Samsung Smart Remote

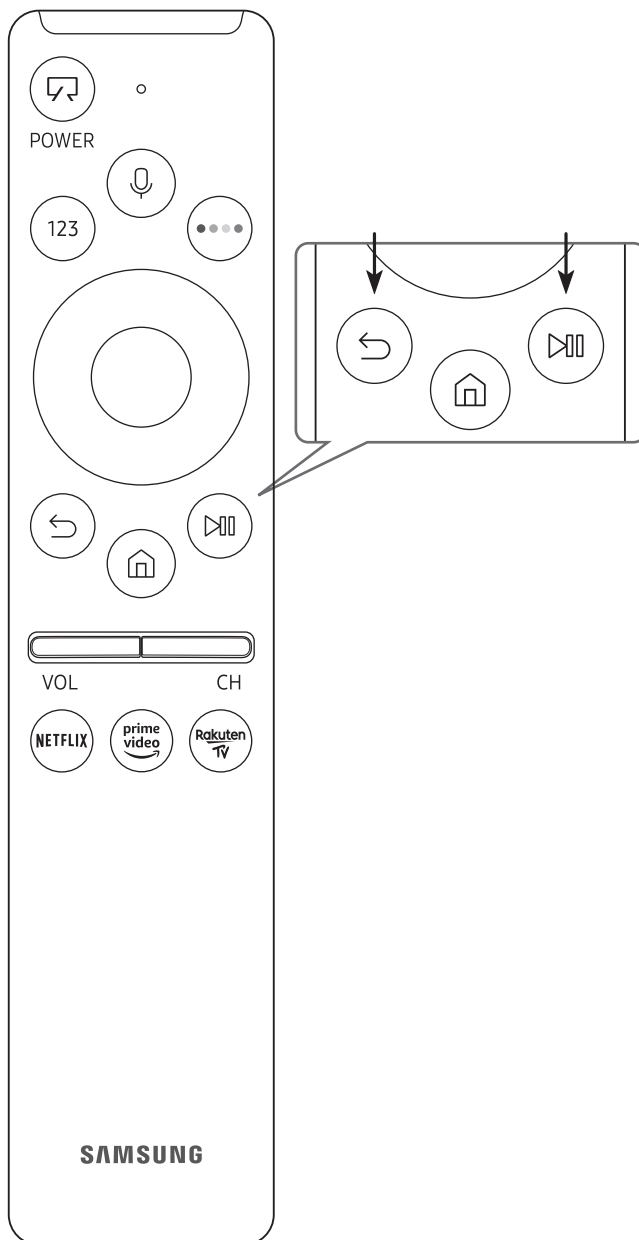
When you start the TV for the first time by pressing the  (Power) button on the Samsung Smart Remote, the TV automatically pairs with the Samsung Smart Remote. Once the TV and Samsung Smart Remote have paired, you can use the Samsung Smart Remote to operate the TV.

We recommend using Samsung Smart Remote at a distance of less than 6 m. A usable distance may differ depending on the wireless environmental conditions.



## Pairing the TV to the Samsung Smart Remote

When you turn on the TV for the first time, the Samsung Smart Remote pairs to the TV automatically. If the Samsung Smart Remote does not pair to the TV automatically, point it at the remote control sensor of the TV, and then press and hold the  and  buttons simultaneously for 3 seconds or more.

- The Samsung Smart Remote can only be paired to one TV at a time.





# Controlling External Devices with a Samsung Remote Control - Using the Universal Remote



 >  Source > Universal Remote

You can control external devices connected to the TV using a Samsung remote control. To control external devices, register them by following the instructions on the screen.

- This function may not be supported depending on the model.
- You can also use the **Anynet+ (HDMI-CEC)** function to operate external Samsung devices with your TV's remote control without any additional setup.
- Certain external devices connected to the TV may not support the universal remote feature.
- Do not place any obstacles in front of an external device and TV's logo. It may cause signals from the remote control to be transmitted improperly.
- The TV memorises both the external device and its connection port (HDMI 1, HDMI 2, etc.).
- If you have difficulty controlling external devices with the Universal Remote, try adjusting the positions of the external devices.
- This function may not operate properly depending on the TV installation environment and the features of external devices.

## 08 Performing the initial setup

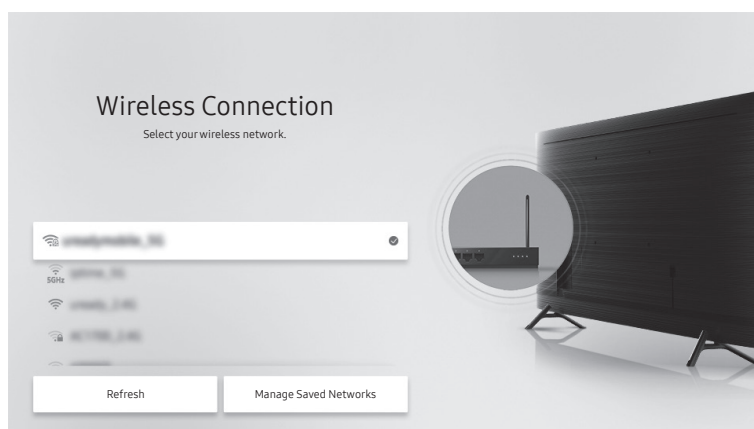
- The initial setup differs from model to model.
- Turn on the TV using the  or  button on the remote control or TV controller.
- Noise may occur temporarily when the TV communicates with mobile devices.
- The SmartThings app is available for mobile devices running Android 6.0 or higher or iOS 10 or higher.
- To perform Initial Setup using the SmartThings app, you must connect your mobile device via Wi-Fi.
- If the pop-up for setup does not appear automatically in the SmartThings app on your mobile device, continue setup manually after adding the TV using **Add Device** on the dashboard of the SmartThings app.

You can also start the Initial Setup using the TV's menu ( >  **Settings** > **General** > **Reset**). Follow the instructions displayed on the Initial Setup screen and configure the TV's basic settings to suit your viewing environment.

### Initial setup

When you turn on your TV for the first time, it immediately starts the Initial Setup. The Initial Setup allows you to configure the basic settings for the TV to operate, such as broadcast reception, channel search, and network connection, at one time.

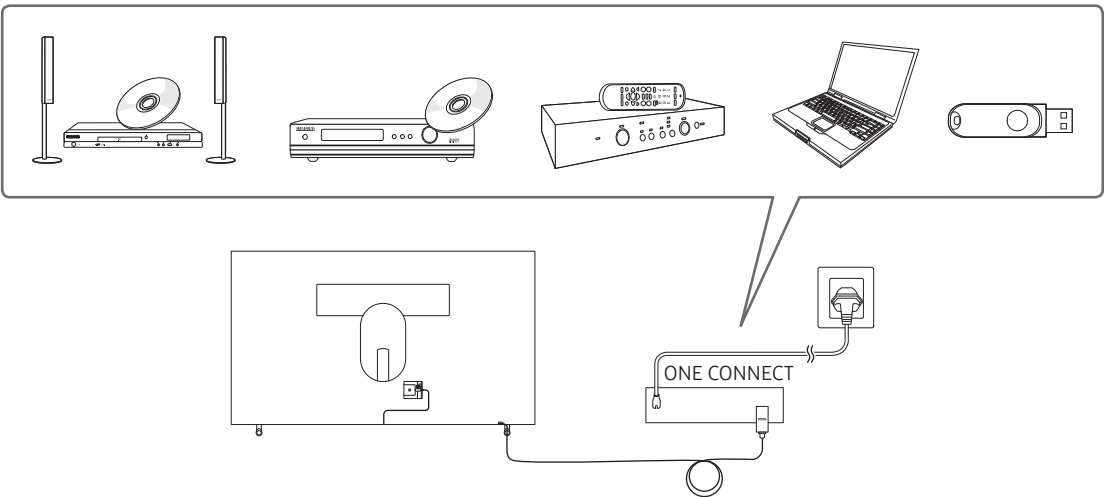
- Before starting the Initial Setup, be sure to connect external devices first.
- To use the TV's smart features, the TV must be connected to the Internet.



- The image on your TV may differ from the image above depending on the model and geographical area.
- If you connect any external device to HDMI IN (STB) before starting initial setup, the source of your live TV signal is set to **STB**. After finishing with this process, you will not be able to scan all channels and stores them in the TV's memory.
- If you want to connect aerial cable to your TV, select **Aerial**. In this case, you will be able to scan all channels and stores them in the TV's memory.

# 09 Connections

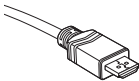

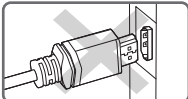
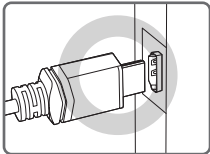
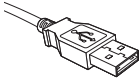
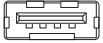
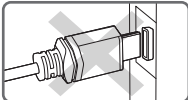
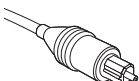


## Connecting devices to your TV



You can connect various external devices using the connectors located at the back of the product. Check the connectors and then refer to the Quick Guide for more instructions on supported external devices.

For more information about connections, see the **e-Manual** chapter "Connections".

Make sure you have the correct cable before plugging it in. Illustrations of common plugs and ports are shown below.

	Cable Plugs	Ports		
HDMI				
USB				
Optical				Do not plug cables in upside down. Be sure to check the orientation of the plug before plugging it in.

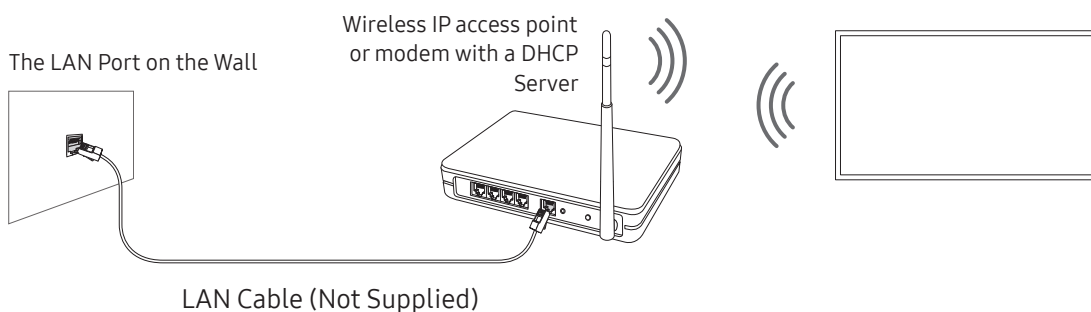
# Connecting to the Internet

Connecting the TV to a network gives you access to online services such as the Smart Hub, as well as software updates.

- For more information about Smart Hub, see the e-Manual chapter, "**Smart Features > Using Smart Hub**".
- The shape of the rear panel differs among the models.

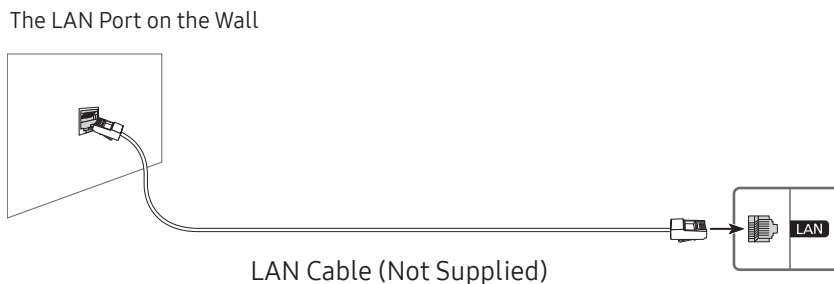
## Network Connection - Wireless

Connect the TV to the Internet using a standard access point or modem.



## Network Connection - Wired

There are three main ways to connect your TV to your network using cable, depending on your network setup. They are illustrated starting below:





- The TV will not be able to connect to the Internet if your network speed is below 10 Mbps.
- Use Cat7 (\*STP Type) cable for the connection.
  - \* Shielded Twisted Pair



# 10 Selecting Connected Devices

## Changing the input signal

 >  Source

When you select a connected external device on the **Source** screen, the output of the selected device is displayed on the TV's screen.

- For more information about selecting connected devices, see the e-Manual chapter "Switching between external devices connected to the TV".

## Editing external devices

You can change the port name for a connected external device or add it to Home Screen.

1. Move the focus to a connected external device.
2. Press the Up directional button. The following functions become available.
  - Available functions may differ depending on the port type.
  - **Universal Remote:** You can control external devices connected to the TV using a Samsung remote control. To control external devices, register them by following the instructions on the screen.
  - **Edit:** You can rename the input ports and change the device icons.
  - **Information:** You can view the detailed information about the external devices connected to the TV.
  - **Add to Home:** You can add the port of an external device to the Home Screen for quick switching.

## Using additional functions

You can use the following features on the **Source** screen.

- **Remote Access:** Use the TV to access your PC via remote PC or screen sharing.
- **Connection Guide:** The guide to device connections
- **Universal Remote:** Lets you register external devices to your Samsung remote control and control them using the Remote.

# 11 Troubleshooting and Maintenance

## Troubleshooting

If the TV seems to have a problem, first review this list of possible problems and solutions. Alternatively, review the Troubleshooting Section in the e-Manual. If none of these troubleshooting tips apply, please visit “www.samsung.com” and click on Support, or contact the Samsung service centre listed on the back cover of this manual.

- This TFT LED panel is made up of sub pixels which require sophisticated technology to produce. There may be, however, a few bright or dark pixels on the screen. These pixels will have no impact on the performance of the product.
- To keep your TV in optimum condition, upgrade to the latest software. Use the **Update Now** or **Auto update** functions on the TV's menu (🏠 > ⚙️ **Settings** > **Support** > **Software Update** > **Update Now** or **Auto update**).

### The TV won't turn on.

- Make sure that the AC power cord is securely plugged in to the One Connect and the wall outlet.
- Make sure that the wall outlet is working and the power indicator at the bottom of the TV is lit and glowing a solid red.
- Try pressing the **TV Controller** button at the bottom of the TV to make sure that the problem is not with the remote control. If the TV turns on, refer to “The remote control does not work”.

### There is no picture/video/sound, or a distorted picture/video/sound from an external device, or “Weak or No Signal” is displayed on the TV, or you cannot find a channel.

- Make sure the connection to the device is correct and that all cables are fully inserted.
- Remove and reconnect all cables connected to the TV and the external devices. Try new cables if possible.
- Confirm that the correct input source has been selected (🏠 > 📺 **Source**).
- Perform a TV self diagnosis to determine if the problem is caused by the TV or the device (🏠 > ⚙️ **Settings** > **Support** > **Self Diagnosis** > **Start Picture Test** or **Start Sound Test**).
- If the test results are normal, reboot the connected devices by unplugging each device's power cord and then plugging it in again. If the issue persists, refer to the connection guide in the user manual of the connected device.
- If you are not using a cable box or satellite box, and your TV is receiving TV signals from an antenna or a cable wall connector, run **Auto Tuning** to search for channels (🏠 > ⚙️ **Settings** > **Broadcasting** > (Auto Tuning Settings) > **Auto Tuning**).
  - The **Auto Tuning Settings** may not appear depending on the model or geographical area.
  - If you are using a cable box or satellite box, please refer to the cable box or satellite box manual.

## The CI+ does not work.

- Your Samsung TV conforms to the CI+ 1.4 standards.
- Where a CI+ Common Interface module is incompatible with this device, then please remove the module and contact the CI+ operator for assistance.

## The remote control does not work.

- Check if the power indicator at the bottom of the TV blinks when you press the remote's Power button. If it does not, replace the remote control's batteries.
- Make sure that the batteries are installed with their poles (+/-) in the correct direction.
- Try pointing the remote directly at the TV from 1.5-1.8 m away.
- If your TV came with a Samsung Smart Remote (Bluetooth Remote), make sure to pair the remote to the TV.

## The cable box or satellite box remote control doesn't turn the TV on or off or adjust the volume.

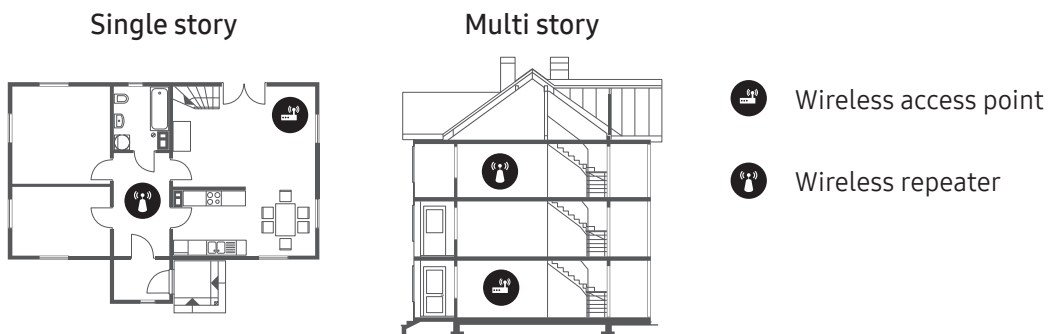
- Programme the cable box or satellite box remote control to operate the TV. Refer to the cable box or satellite box user manual for the SAMSUNG TV code.

## The TV settings are lost after 5 minutes.

- The TV is in the **Retail Mode**. Change the **Usage Mode** in the **General Menu** to **Home Mode** (🏠 > ⚙️ **Settings** > **General** > **System Manager** > **Usage Mode** > **Home Mode**).





## Intermittent Wi-Fi

- Make sure the TV has a network connection (🏠 > ⚙️ **Settings** > **General** > **Network** > **Network Status**).
- Make sure the Wi-Fi password is entered correctly.
- Check the distance between the TV and the modem or access point. The distance should not exceed 15.2 m.
- Reduce interference by not using or turning off wireless devices. Also, verify that there are no obstacles between the TV and the modem or access point. (The Wi-Fi strength can be decreased by appliances, cordless phones, stone walls/fireplaces, etc.)





- Contact your Internet Service Provider (ISP) and ask them to reset your network circuit to re-register the MAC addresses of your new modem or access point and the TV.







## Video Apps problems (Youtube etc)

- Change the DNS to 8.8.8.8. Select  >  Settings > General > Network > Network Status > IP Settings > DNS setting > Enter manually > DNS Server > enter 8.8.8.8 > OK.
- Reset by selecting  >  Settings > Support > Self Diagnosis > Reset Smart Hub.

## The TV remains on or does not turn on automatically.

- If the surrounding area is too dark or bright, the motion sensor may not work normally. The performance of the motion sensor may be affected by the installation environment (height, tilt, obstacles). If the clothes you wear or your skin colour is similar to the surrounding shading, the motion sensor may not work properly.
- The TV responds to all visual changes around it (lights, displays, dogs, out-of-window changes, and other occurrences). You can adjust the response level by adjusting the sensitivity of the motion detector.  
( >  Art > Settings > Motion Detector)

## Precautions when using Art mode

- The motion sensor is located at the bottom of the TV. Do not block the sensor at the front of the TV. The motion sensor as well as the brightness and colour tone of the screen can be affected.
- **Art** mode uses algorithms to minimise image burn-in that can be caused by displaying still images on the screen for long periods of time.
- The performance of the sensor may vary depending on the TV installation and operating environment.
  - The screen brightness and colour tone may be affected depending on the colour of the floor on which the TV stands.
  - In an environment where special light sources other than standard light sources (halogen, fluorescent) are used, the sensor's motion recognition performance may vary depending on the positions, types, and number of the light sources.
  - If the area around the TV is too dark or bright, the screen brightness may be limited or the sensor may not work normally.
  - If the TV is installed too high or too low, the sensor may not work normally.
  - The motion sensor may sense motion from a flashing LED, a pet, a car moving outside the window, or other occurrence and start operating.
- Depending on the **Auto Power Off** ( >  Settings > General > Eco Solution > Auto Power Off) function settings, the TV may turn off when there is no user input in **Art** mode, such as inputs from the remote control.
-  >  Settings > General > System Manager > Time > Sleep Timer and Off Timer function does not work in **Art** mode.
-  >  Settings > General > System Manager > Auto Protection Time function does not work in **Art** mode.

## What is Remote Support?

Samsung Remote Support service offers you one-on-one support with a Samsung Technician who can remotely:

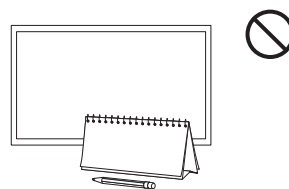
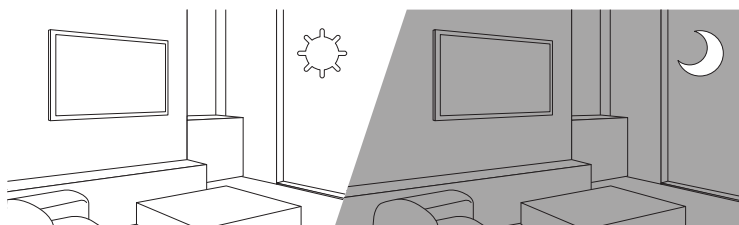
- Diagnose your TV
- Adjust the TV settings for you
- Perform a factory reset on your TV
- Install recommended firmware updates



## How does Remote Support work?

You can easily get Samsung Remote Support service for your TV:

1. Call the Samsung service centre and ask for remote support.
2. Open the menu on your TV and go to the **Support** section. (🏠 > ⚙️ **Settings** > **Support**)
3. Select **Remote Management**, then read and agree to the service agreements. When the PIN screen appears, provide the PIN number to the technician.
4. The technician will then access your TV.

## Eco Sensor and screen brightness

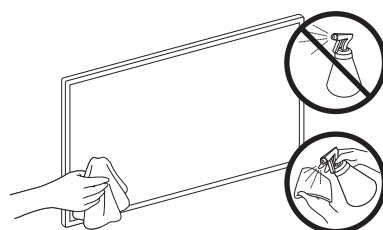


Eco Sensor adjusts the brightness of the TV automatically. This feature measures the light in your room and optimises the brightness of the TV automatically to reduce power consumption. If you want to turn this off, go to  >  **Settings** > **General** > **Eco Solution** > **Ambient Light Detection**.

- If the screen is too dark while you are watching TV in a dark environment, it may be due to the **Ambient Light Detection** function.
- The eco sensor is located at the bottom of the TV. Do not block the sensor with any object. This can decrease picture brightness.

## Caring for the TV

- If a sticker was attached to the TV screen, some debris can remain after you remove the sticker. Please clean the debris off before watching TV.
- The exterior and screen of the TV can get scratched during cleaning. Be sure to wipe the exterior and screen carefully using a soft cloth to prevent scratches.
- Do not spray water or any liquid directly onto the TV. Any liquid that goes into the product may cause a failure, fire, or electric shock.
- To clean the screen, turn off the TV, then gently wipe away smudges and fingerprints on the panel with a micro-fiber cloth. Clean the body or panel of the TV with a micro-fiber cloth dampened with a small amount of water. After that, remove the moisture with a dry cloth. While cleaning, do not apply strong force to the surface of the panel because it can damage the panel. Never use flammable liquids (benzene, thinner, etc.) or a cleaning agent. For stubborn smudges, spray a small amount of screen cleaner on a micro-fiber cloth, and then use the cloth to wipe away the smudges.



# 12 Specifications and Other Information

## Specifications

Model Name	QE43LS03R	QE49LS03R
Display Resolution	3840 x 2160	3840 x 2160
Screen Size Measured Diagonally	43 inches 108 cm	49 inches 123 cm
Sound (Output)	20 W	20 W
Dimensions (W x H x D) Body With stand	966.6 x 556.8 x 42.5 mm 966.6 x 599.8 x 200.0 mm	1099.2 x 631.4 x 45.8 mm 1099.2 x 674.3 x 200.0 mm
Weight Without Stand With Stand	11.5 kg 12.0 kg	14.1 kg 14.6 kg
Model Name	QE55LS03R	QE65LS03R
Display Resolution	3840 x 2160	3840 x 2160
Screen Size Measured Diagonally	55 inches 138 cm	65 inches 163 cm
Sound (Output)	40 W	40 W
Dimensions (W x H x D) Body With stand	1235.0 x 707.8 x 42.5 mm 1235.0 x 750.7 x 200.0 mm	1453.9 x 830.9 x 42.5 mm 1453.9 x 875.5 x 294.0 mm
Weight Without Stand With Stand	18.9 kg 19.4 kg	25.7 kg 26.5 kg

## Environmental Considerations

Operating Temperature	10°C to 40°C (50°F to 104°F)
Operating Humidity	10% to 80%, non-condensing
Storage Temperature	-20°C to 45°C (-4°F to 113°F)
Storage Humidity	5% to 95%, non-condensing

- The design and specifications are subject to change without prior notice.
- For information about the power supply, and more information about power consumption, refer to the label-rating attached to the product.
- Typical power consumption is measured according to IEC 62087.
- You can see the label-rating attached to the bottom of the One Connect.
- You can see the label-rating attached to the back of the TV. (For some models, you can see the label-rating inside the cover terminal.)

## Decreasing power consumption

When you shut the TV off, it enters Standby mode. In Standby mode, it continues to draw a small amount of power. To decrease power consumption, unplug the power cord when you don't intend to use the TV for a long time.

## Licences



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



## Recommendation - EU Only



Hereby, Samsung Electronics, declares that this equipment is in compliance with Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following internet address: <http://www.samsung.com> go to Support > Search Product Support and enter the model name.

This equipment may be operated in all EU countries.

The 5 GHz WLAN(Wi-Fi) function of this equipment may only be operated indoors.

BT max transmitter power : 100mW at 2.4GHz – 2.4835GHz

Wi-Fi max transmitter power : 100mW at 2.4GHz–2.4835GHz, 5.15GHz–5.35GHz & 5.47GHz-5.725GHz

For information on Samsung's environmental commitments and product-specific regulatory obligations, e.g. REACH, WEEE, Batteries, visit [http://www.samsung.com/uk/aboutsamsung/samsungelectronics/corporatecitizenship/data\\_corner.html](http://www.samsung.com/uk/aboutsamsung/samsungelectronics/corporatecitizenship/data_corner.html)

WARNING - TO PREVENT THE SPREAD OF FIRE, KEEP CANDLES OR OTHER ITEMS WITH OPEN FLAMES AWAY FROM THIS PRODUCT AT ALL TIMES.



### **Correct Disposal of This Product (Waste Electrical & Electronic Equipment)** **(Applicable in countries with separate collection systems)**

This marking on the product, accessories or literature indicates that the product and its electronic accessories (e.g. charger, 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 the sustainable reuse of material resources.

Household users 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 users should contact their supplier and check the terms and conditions of the purchase contract. This product and its electronic accessories should not be mixed with other commercial wastes for disposal.



### **Correct disposal of the batteries in this product** **(Applicable in countries with separate collection systems)**

This marking on battery, manual or packaging indicates that the batteries in this product should not be disposed of with other household waste at the end of their working life. Where marked, the chemical symbols Hg, Cd or Pb indicate that the battery contains mercury, cadmium or lead above the reference levels in EC Directive 2006/66. If batteries are not properly disposed of, these substances can cause harm to human health or the environment.

To protect natural resources and to promote material reuse, please separate batteries from other types of waste and recycle them through your local, free battery return system.

# Warranty Card



United Kingdom



Republic of Ireland (EIRE)

This Samsung product is warranted for a period of twelve (12) months from the original date of purchase, against defective materials and workmanship. In the event that warranty service is required, you should return the product to the retailer from whom it was purchased. However, Samsung Authorised Dealers and Authorised Service Centres in other EC Countries will comply with the warranty on the terms issued to purchasers in the country concerned. In case of difficulty, details of our Authorised Service Centres are available from:

Samsung Electronics U.K. Ltd  
Samsung Customer Support Centre  
Selectapost 38, Sheffield, S97 3FJ  
United Kingdom

United Kingdom  
Tel : 0330 SAMSUNG (7267864)  
[www.samsung.com/uk/support](http://www.samsung.com/uk/support)

EIRE  
Tel : 0818 717100  
[www.samsung.com/ie/support](http://www.samsung.com/ie/support)

## WARRANTY CONDITIONS

1. The warranty is only valid if, when warranty service is required, the warranty card is fully and properly completed and is presented with the original invoice or sales slip or confirmation, and the serial number on the product has not been defaced.
2. Samsung's obligations are limited to the repair or, at its discretion, replacement of the product or the defective part.
3. Warranty repairs must be carried out by Authorised Samsung Dealers or Authorised Service Centres. No re-imbursement will be made for repairs carried out by non-Samsung Dealers and, any such repair work and damage to the products caused by such repair work will not be covered by this warranty.
4. This product is not considered to be defective in materials nor workmanship by reason that it requires adaptation in order to conform to national or local technical or safety standards in force in any Country other than the one for which the product was originally designed and manufactured.  
This warranty will not cover, and no re-imbursement will be made for such adaptation nor any damage which may result.
5. This warranty covers none of the following:
  - a) Periodic check-ups, maintenance and repair or replacement of parts due to normal wear and tear.
  - b) Cost relating to transport, removal or installation of the product.
  - c) Misuse, including the failure to use this product for its normal purposes or incorrect installation.
  - d) Use of this product in a commercial/ business environment, which shall include, but is not limited to, the following: any use for profit or financial gain, public display or events such as clubs, bars and restaurants including continuous statistical or graphical display, or any commercial use of continuous or intentional long term display of News reels ("tickers"), static or fixed images such as timetables and 4:3 pictures or video content displaying permanent black bars.
  - e) Damage caused by Lightning, Water, Fire, Acts of God, War, Public Disturbances, incorrect mains voltage, improper ventilation or any other cause beyond the control of Samsung.
  - f) Spillage of food or liquid or use of any other hazardous substances, which may affect the product.
  - g) Performance due to differences in broadcasting method between countries.
6. This warranty is valid for any person who legally acquired possession of the product during the warranty period.
7. The consumers' statutory rights in any applicable national legislation whether against the retailer arising from the purchase contract or otherwise are not affected by this warranty. Unless there is national legislation to the contrary, the rights under this warranty are the consumers' sole rights and Samsung, its subsidiaries and distributors shall not be liable for indirect or consequential loss or any damage to disc based media, removable memory or any other related equipment or material.
8. Some products may differ from these guidelines. Please check with your dealer or the local Samsung web-site.

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**SAMSUNG**



BN68-09552C-01

**Contact SAMSUNG WORLD WIDE**

If you have any questions or comments relating to Samsung products, please contact the Samsung service centre.

Country	Samsung Service Centre ☎	Web Site
IRELAND (EIRE)	0818 717100	<a href="http://www.samsung.com/ie/support">www.samsung.com/ie/support</a>
UK	0330 SAMSUNG (7267864)	<a href="http://www.samsung.com/uk/support">www.samsung.com/uk/support</a>