

**SAMSUNG**

# INSTALL GUIDE

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**UHD TV**

HG43RU750E HG50RU750E HG55RU750E  
HG65RU750E HG75RU750E

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 Install Guide

This TV B2B (Business to Business) model is designed for hotels or the other hospitality businesses, supports a variety of special functions, and lets you limit some user (guest) controls.

Figures and illustrations in this Install Guide are provided for reference only and may differ from the actual product appearance. Product design and specifications may change without notice.

## Operational Modes

This TV has two modes: **Interactive** and **Standalone** mode.

- **Interactive** mode: In this mode, the TV communicates with and is fully or partially controlled by a connected Set Back Box (SBB) or Set Top Box (STB) provided by a hospitality System Integration (SI) vendor. When the TV is initially plugged in, it sends a command that attempts to identify the SBB or STB connected to it. If the TV identifies the SBB or STB and the SBB or STB identifies the TV, the TV gives full control to the SBB or STB.
- **Standalone** mode: In this mode, the TV works alone without an external SBB or the STB.

The TV has a **Admin** menu that lets you easily set its various hospitality functions. Please see page 31.

The menu also lets you activate or de-activate some TV and hospitality functions so you can create your optimal hospitality configuration.

## Still image warning

Avoid displaying still images (such as jpeg picture files) or still image elements (such as TV channel logos, panorama or 4:3 format images, stock or news bars or crawls) on the screen. Displaying still pictures continually can cause uneven screen wear, which will affect image quality. To reduce the chance that this effect will occur, please follow the recommendations below:

- Avoid displaying the same TV channel for long periods.
- Always try to display a full screen image.
- Reduce brightness and contrast to help prevent the occurrence of after-images.
- Use all TV features designed to reduce image retention and screen burn-in.

# 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 main leads, the product <b>MUST</b> 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 install guide 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 plugging in the AC power cord of the TV, make sure that the operational voltage of the TV matches the voltage of your local electrical power supply. Refer to the power specifications section of the manual and/or the power supply label on the product for voltage and amperage information.
- 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 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 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, air 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.
- **WARNING - TO PREVENT THE SPREAD OF FIRE, KEEP CANDLES AND OTHER ITEMS WITH OPEN FLAMES AWAY FROM THIS PRODUCT AT ALL TIMES.**
- Use care when touching the TV after it has been on for some time. Some parts can be warm to the touch.



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# 01 What's in the Box?

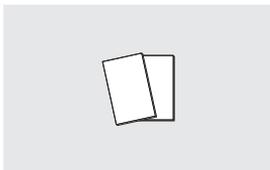
Make sure the following items are included with your TV. If any items are missing, contact your dealer.



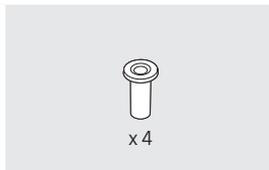
Remote Control & Batteries  
(AAA x 2) (Not available in  
some locations)



Power Cord



Warranty Card / Quick Setup  
Guide / Regulatory Guide (Not  
available in some locations)



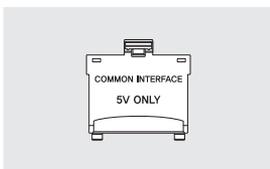
Wall Mount Adaptor  
x 4



Data Cable



Holder-Cable



CI Card Adapter

- 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.

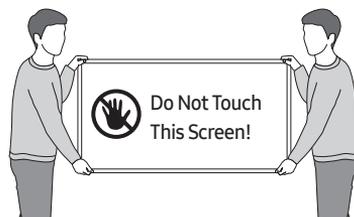
An administration fee may be charged in the following situations:

- (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 repair 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.



The screen can be damaged from direct pressure when handled incorrectly. As shown in the figure, make sure to grip the edges of the screen when you lift the TV.





### **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.

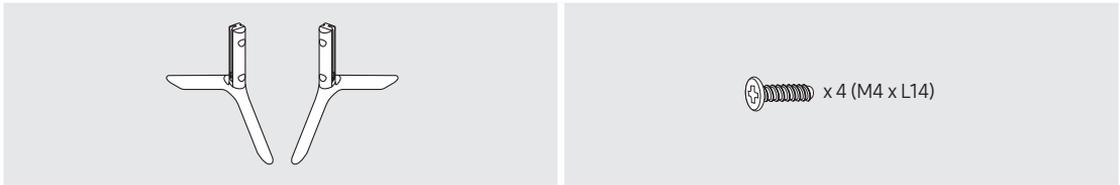
To protect natural resources and to promote material reuse, please separate batteries from other types of waste and recycle them through your local, free battery return system.

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)

# Installing the LED TV Stand

## Assembling the Stand and Components

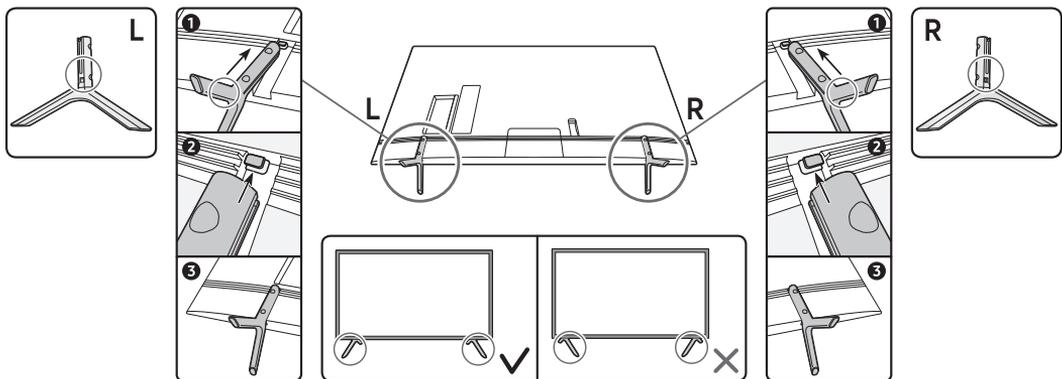
When installing the stand, use the provided components and parts.



Stand

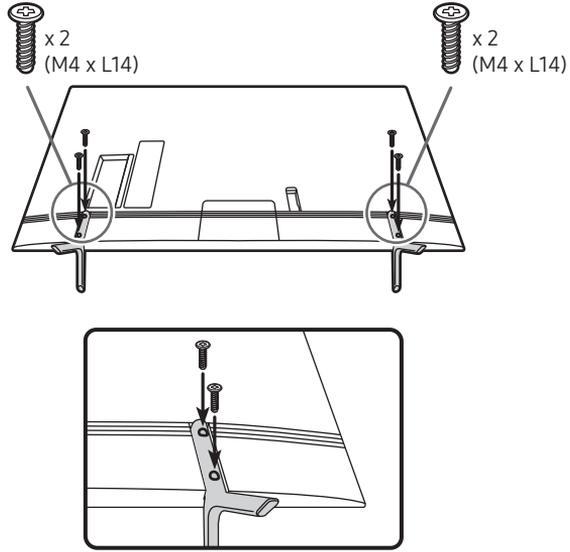
Screws

1



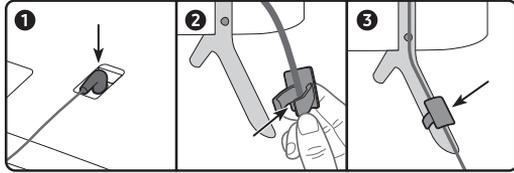
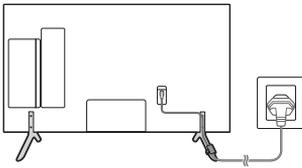
- Place a soft cloth over the table to protect the TV, and then place the TV so that its screen faces down toward the table surface.
- Insert the Stands into the slot on the bottom of the TV.
- Slide and assemble it to the end line in the direction of arrow.

2

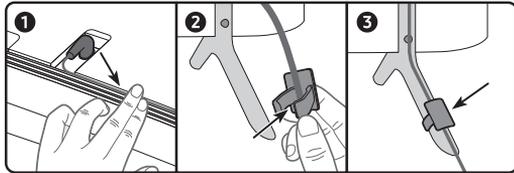
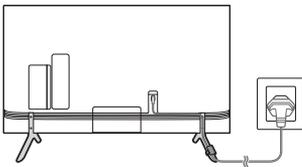


3

43"



50"-75"

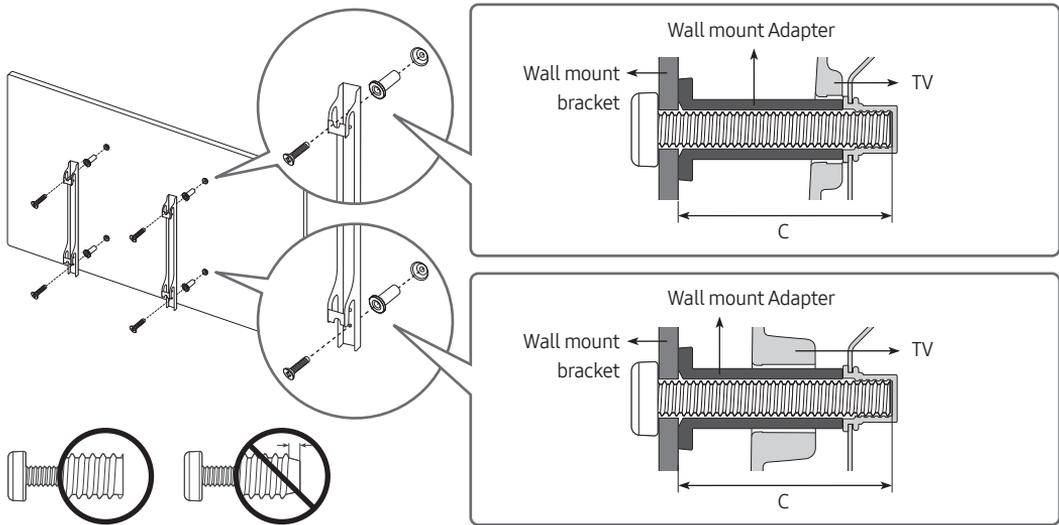


NOTE

- Make sure to distinguish between the front and back of each component when assembling them.
- Make sure that at least two persons lift and move the TV.

## Installing the wall mount kit

You can mount the TV on the wall using a wall mount kit (sold separately).



- The Product shape may differ depending on the model.

The wall mount kit (sold separately) allows you to mount the TV on a 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. Samsung Electronics is not responsible for any damage to the product or injury to yourself or others if you select to install the TV on your own.

## Securing the TV to the Wall



**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.

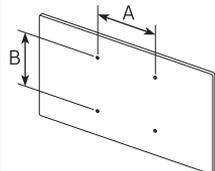
### To Prevent the TV from Falling

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

## Wall Mount Kit Specifications (VESA)

Install your wall mount on a solid wall perpendicular to the floor. If you are attaching the wall mount to building materials other than plaster board, contact your nearest dealer. If installed on a ceiling or slanted wall, the TV may fall and cause severe personal injury.

- The wall mount kit is not supplied, but sold separately.
- NOTE
  - Standard dimensions for wall mount kits are shown in the table below.
  - Samsung wall mount kits contain a detailed installation manual. All parts necessary for assembly are provided.
  - Do not use screws that do not comply with the VESA standard screw specifications.
  - Do not use screws that are longer than the standard dimension or do not comply with the VESA standard screw specifications. Screws that are too long may cause damage to the inside of the TV set.
  - For wall mounts that do not comply with the VESA standard screw specifications, the length of the screws may differ depending on the wall mount specifications.
  - Do not fasten the screws too firmly. This may damage the product or cause the product to fall, leading to personal injury. Samsung is not liable for these kinds of accidents.
  - Samsung is not liable for product damage or personal injury when a non-VESA or non-specified wall mount is used or the consumer fails to follow the product installation instructions.
  - Do not mount the TV at more than a 15 degree tilt.
  - Always have two people mount the TV onto a wall.

TV size in inches	VESA screw hole specs (A * B) in millimetres	C (mm)	Standard Screw	Quantity	
43-55	200 x 200	43-45	M8	4	
65-75	400 x 400				

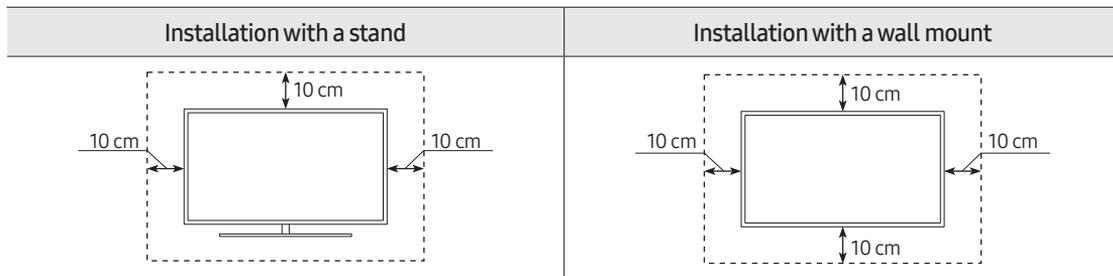


Do not install your wall mount kit while your TV is turned on. This may result in personal injury from electric shock.

## Providing proper ventilation for your TV

When you install your TV, maintain a distance of at least 10 cm between the TV and 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.

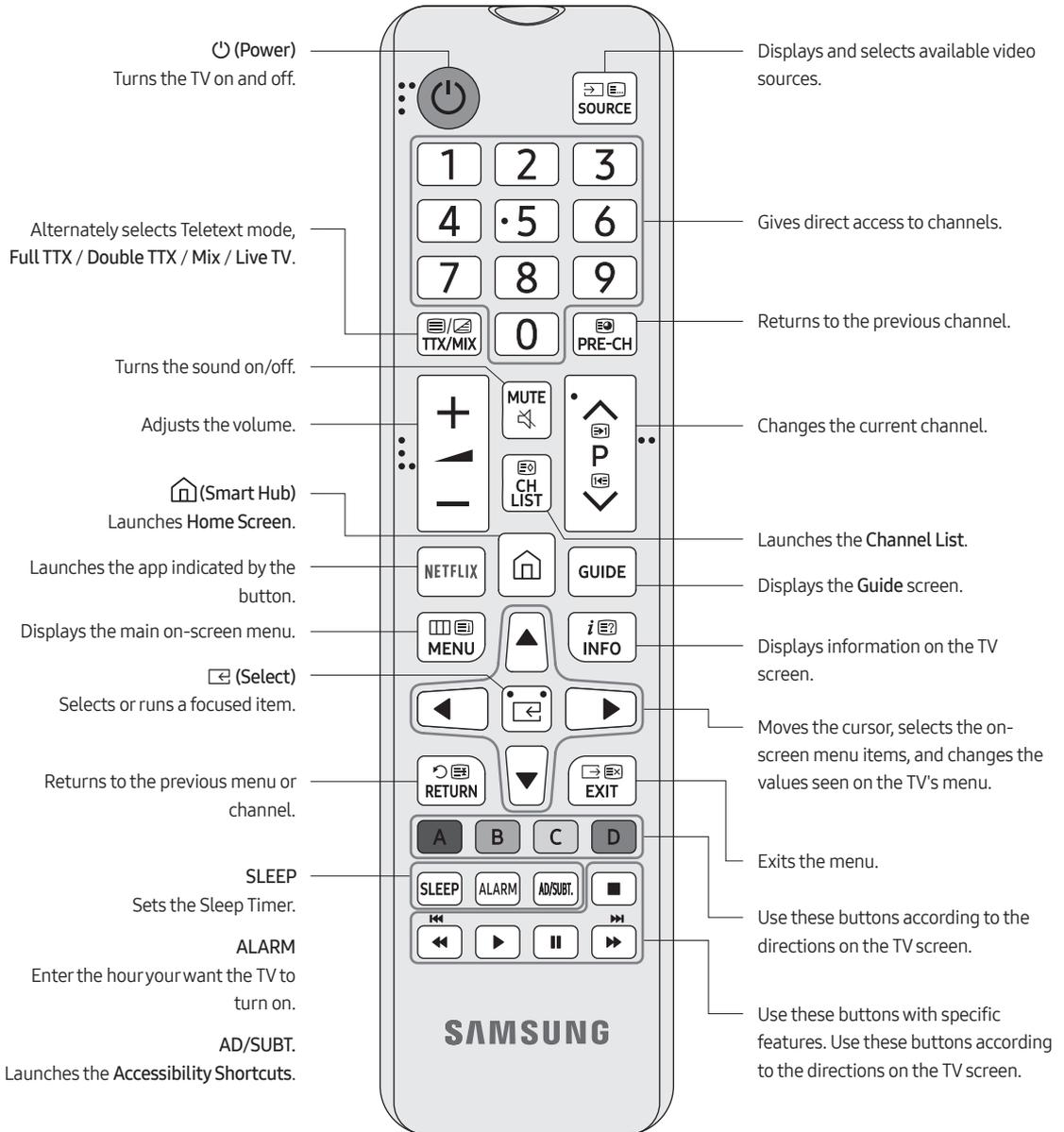
- When you install your TV with a stand or a wall mount, we strongly recommend you use parts provided by Samsung Electronics only. Using parts provided by another manufacturer may cause difficulties with the product or result in injury caused by the product falling.



# 02 The Remote Control

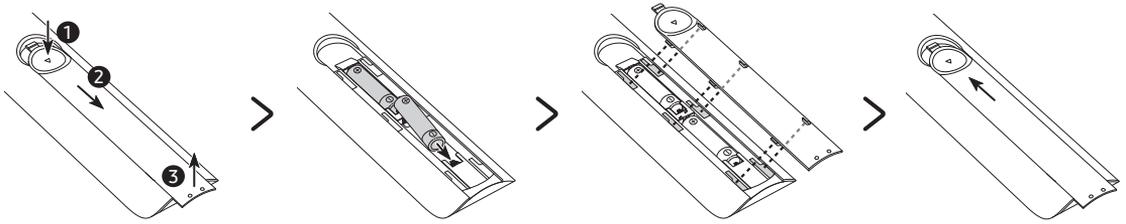
## About the Buttons on the Remote Control

- The images, buttons, and functions of the remote control may differ depending on the model.
- The remote control has Braille points on the Power, Channel, Volume, and Select buttons and can be used by visually impaired persons.
- 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.

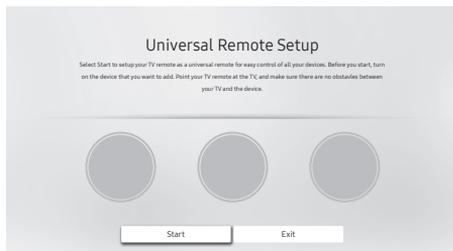


- The colour and shape of the remote may vary depending on the model.
  - Use the remote control within 7 m of the TV.
  - Bright lights may affect the performance of the remote control. Avoid using the remote control near special fluorescent lights or neon signs.
  - Alkaline batteries are recommended 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.

# 03 Controlling external devices with a remote control - Using the Universal Remote

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

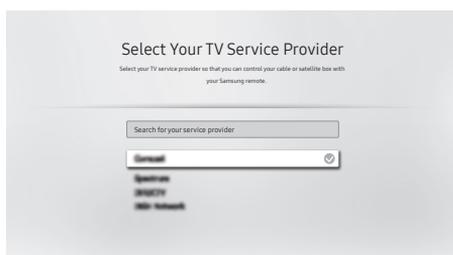
- The images on your TV may differ from the images accompanying the instructions depending on the model and geographical area.



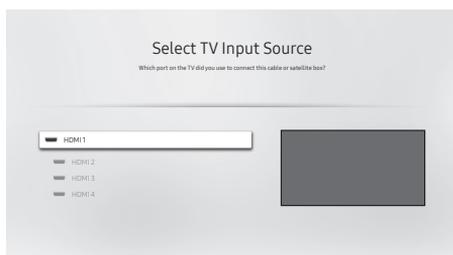
1. Go to the **Admin menu**, and then select **Universal Remote Setting**. The **Universal Remote Setup** screen appears.
  - Admin menu > Universal Remote > Universal Remote Setting



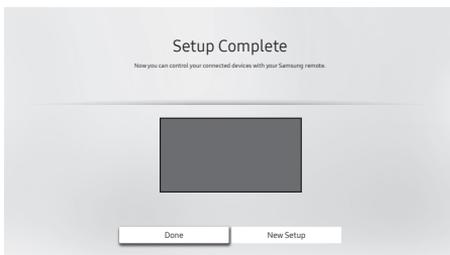
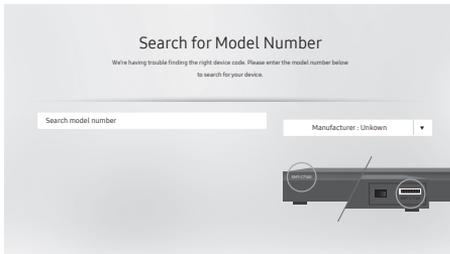
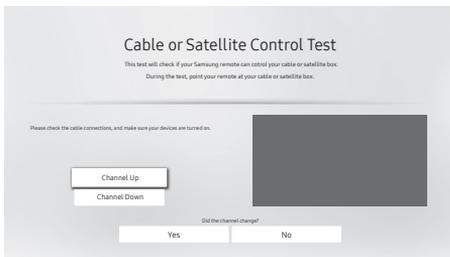
2. If the TV is connected to a set-top box, select **Cable/Satellite Box**.



3. Select your service provider from the list in the screen. If your service provider is not listed, search manually.



4. Select the HDMI port on the TV to which the set-top box is connected.



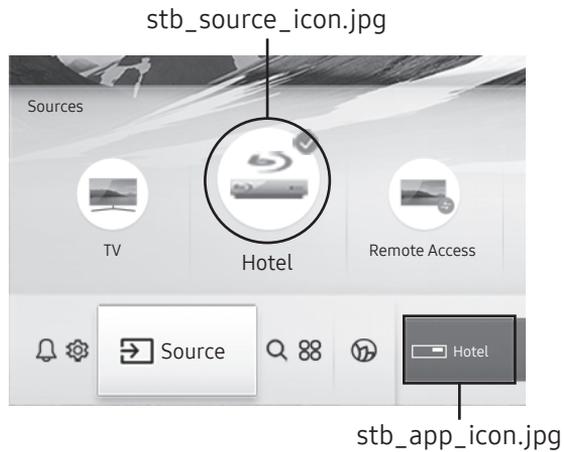
5. Press the CH button on the remote control according to the instructions on the screen in order to test whether the TV and the set-box operate correctly when you press the remote control buttons.
  - If the TV and the set-box operate correctly, select **Yes**. The setup is completed. Go to step 7.
  - If the TV and the set-box do not operate correctly, select **No**. Go to step 6.
6. Follow the instructions on the screen to search for the model number of the set-top box connected to the TV. When the model number is found, repeat step 5 for the operation test.
7. When you have completed all the settings, select **Done** in the following screen:

- This function may not be supported depending on the model or geographical area.
- You can also use the **Anynet+ (HDMI-CEC)** function to operate external Samsung devices with your TV's remote control without any additional setup.
- Specific 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.).

## Downloading the Universal Remote icon

1. Store the following files in the root directory of your USB device:

	File name	File type	File Size
App tile	stb_app_icon	Jpg, png	245 x 135, 2MB
Source icon	stb_source_icon	Jpg, png	135 x 135, 2MB



- The image on your TV may differ from the image above depending on the model and geographical area.
2. Go to the **Admin** menu, and then select **Universal Remote Icon DL**.
- **Admin menu > Universal Remote > Universal Remote Icon DL**
  - The **Universal Remote Icon DL** is only available after you have completely set up the Universal Remote.

# 04 Initial Setup

When you turn on your TV for the first time, it immediately starts the Initial Setup. Follow the instructions displayed on the screen and configure the TV's basic settings to suit your viewing environment.

If you already completed the Initial Setup, run the Initial Setup again using the following menu.

 **Admin menu > System > TV Reset**

If you select **TV Reset**, the TV resets all values to their factory defaults. When the TV turns off, press the **Power** button on the remote control to turn on the TV. The TV starts the Initial Setup.

- Initial Setup may differ depending on the model or geographical area.

---

## Select the region settings

- 1
  - Before select region, refer to the country list information on the right.
  - If you select the incorrect region, execute **TV Reset** again after the Initial Setup is completed.
  - If the region is changed, the TV automatically turns off and on.

---

## Selecting your TV installation type

- 2
  - **Basic TV Setup:** Select to proceed to the next step to set the basic options for using your TV.
  - **Cloning Mode:** Copy the system settings from the USB or server to the TV.
  - **Factory Menu:** End Initial Setup and go to **Admin menu** directly.

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## Selecting your language

You can change the menu language.

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## Set a room number.

Change the TV name to reflect a room number.

---

## Selecting the broadcasting signal

You can selecting the connected aerial that you want to use to get channels.

---

## Connecting to the Internet

- 6
  - Connect to an available wired or wireless network.
  - If you connect a LAN cable, the TV automatically accesses the Internet.
    - When the TV is unable to connect to the Internet automatically, check if the LAN cable is plugged in on both ends. If it is plugged in, check if the access point is turned on. If it is on, turn it off, wait 1 or 2 minutes, and then turn it on.
  - Make sure that you have the wireless access point's SSID (name) and password settings before attempting to connect. The network name (SSID) and security key are available on the wireless access point's configuration screen. See the wireless access point's user manual for more information.

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## Agreeing to the Smart Hub service agreement, and the collection and use of personal information

- 7 To use Smart Hub, you must agree to the Smart Hub service agreement, and the collection and use of personal information. Without giving consent, you cannot use the additional features and services.
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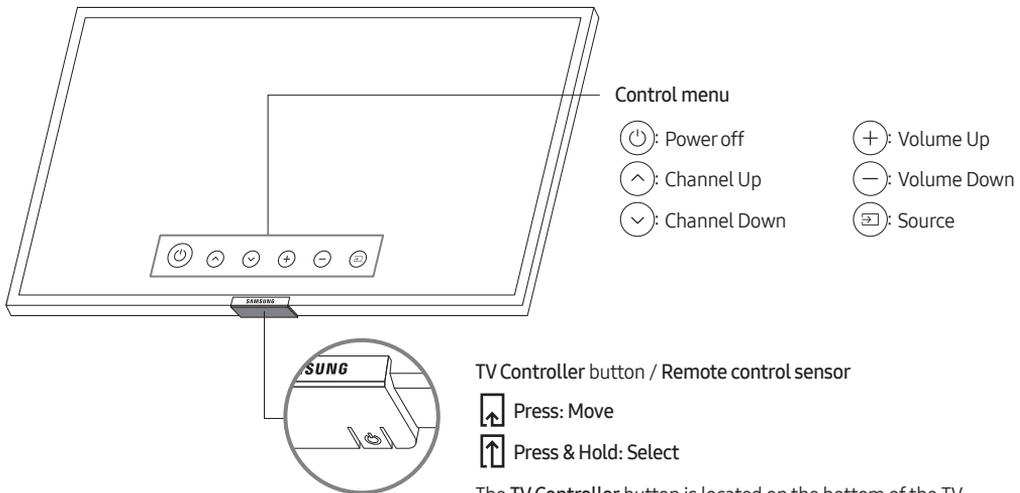
8	<b>Enterprise Enrollment</b> Sign in to your Samsung account to remotely manage the configuration of this TV from the LYNK Cloud.
9	<b>Select your TV source</b> <ul style="list-style-type: none"><li>• Select the type of broadcast signals the TV receives. Then, channel scanning starts.</li><li>• After channel scanning is completed, select <b>Next</b> or press the right directional button on the remote control.</li><li>• When the RF cable is not connected, this step is skipped.</li></ul>
10	<b>Setting the current time</b> <ul style="list-style-type: none"><li>• If the TV is tuned to digital broadcast channels, and these channels transmit date and time information, set <b>Set Current Time</b> to <b>Auto</b>. The TV will set the date and time automatically.</li><li>• If the TV is not tuned to digital broadcast channels, set <b>Set Current Time</b> to <b>Manual</b>, and then set the date and time on the TV manually.<ul style="list-style-type: none"><li>– Select your time zone.</li><li>– Set <b>DST</b> (Daylight Saving Time) to <b>No / Yes</b> to apply to the TV.</li></ul></li></ul>
11	<b>TV setup summary</b> Displays the information set on the TV.
12	<b>Setup complete</b> <ul style="list-style-type: none"><li>• Select apps to add to Home Screen, and then try using your remote control and see if it works.</li><li>• Select the <b>Start Watching TV</b> button to complete the Initial Setup. Then <b>Admin menu</b> appears. Press <b>Power</b> button to exit.</li></ul>

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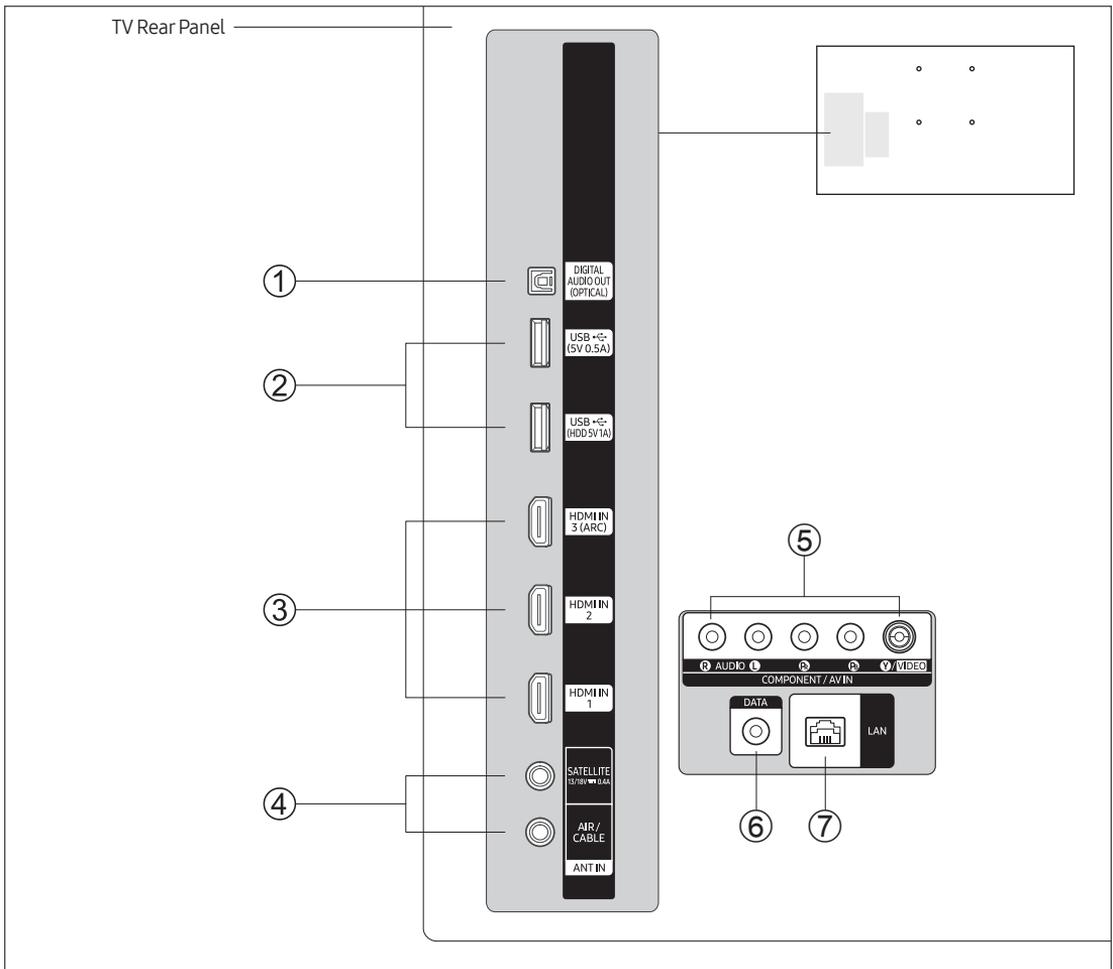
## Using the TV Controller

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 screen may dim if the protective film on the SAMSUNG logo or the bottom of the TV is not detached. Please remove the protective film.



# 05 The Connection Panel



- When connecting an external device, match the colour of the connection port to the cable.
- Whenever you connect an external device to your TV, make sure that power on the TV and the device is turned off.

**① DIGITAL AUDIO OUT (OPTICAL)**

Connects to a Digital Audio component.

**② USB (5V 0.5A), USB (HDD 5V1A)**

- Connector for software upgrades and Media Play, etc.
- Service connection.

### ③ HDMI IN 1, 2, 3 (ARC)

Connects to the HDMI port of a device with an HDMI output.

- No separate sound connection is needed for an HDMI to HDMI connection. HDMI connections carry both audio and video.
- It is recommended that the external device of the HDMI 1.3 or 1.4 version will be used with this TV. If you meet the compatible problem like no sound or the abnormal screen or etc with the device of the HDMI 1.2 version, contact to a Samsung service centre.

### ④ ANT IN (SATELLITE), (AIR/CABLE)

- To view television channels correctly, the TV must receive a signal from one of the following sources:
- An outdoor antenna / A cable television system / A satellite receiver

### ⑤ COMPONENT IN / AV IN

- Use to connect to Component video / audio devices such as DVD players and AV (Composite) devices such as VCRs.
- Connect audio cables to R-AUDIO-L on your TV and the other ends to corresponding audio out ports on AV (Composite) devices.
- Connect component video cables (not supplied) to the component ports (PR, PB, Y) on your TV and the other ends to corresponding component video out ports on a DVD player. Match the colours on the ports and cables.
- If you want to connect both a set-top box and a DVD player, you should connect the set-top box to the DVD and connect the DVD to the component ports (PR, PB, Y) on your TV.
- The PR, PB and Y ports on your component devices (DVD) are sometimes labelled R-Y, B-Y and Y or Cr, Cb and Y.
- For AV (Composite), connect RCA audio cables (not supplied) to R-AUDIO-L on your TV set and the other ends to corresponding audio out ports on an external device.
- When you are connecting a AV (Composite) device to AV IN [Y/Video], connect the video cable (yellow) to the AV IN [Y/VIDEO] port (green/yellow).

### ⑥ DATA

- Used to support data communication between the TV and the SBB or STB.
- Connects using phone-jack type plugs.
- For more information about the data cables, refer to page 28.

### ⑦ LAN

Connect to a wired LAN using CAT 7 (\*STP type) cable.

\* Shielded Twisted Pair

# 06 Connections

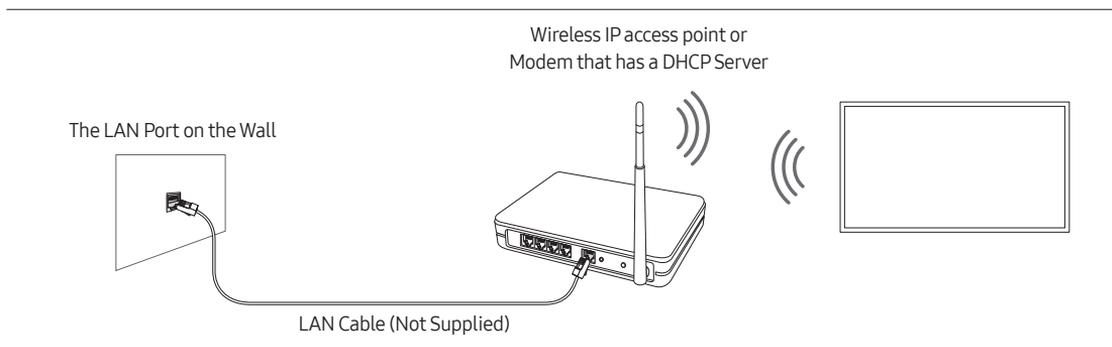
## Connecting to your Internet network

You can set up your TV so that it can access the SMART TV applications through your local area network (LAN) using a wired or wireless connection.

- After you have physically connected the TV to your network, you must configure the network connection to complete the process. You can configure the connection through the initial setup process or the **Admin menu** (Admin menu > Smart Service > Network Setup).

### Establishing a wireless Internet connection

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



- This TV supports the IEEE 802.11 a /b /g /n /ac communication protocols. Samsung recommends using IEEE 802.11n. Otherwise, when you play video over a network connection, the video may not play smoothly.
  - Some of the IEEE 802.11 communication protocols may not be supported depending on the model or geographical area.
- To use a wireless network, the TV must be connected to a wireless access point or modem. If the wireless access point supports DHCP, the TV can use a DHCP or static IP address to connect to the wireless network.
- Select a channel that is not currently in use for the wireless access point. If the channel set for the wireless access point is currently being used by another device, the result is usually interference and/or a communications failure.
- Most wireless networks have an optional security system. To enable a wireless network's security system, you need to create a security key using characters and numbers, and then enter that key into the access point through its menu. You then must enter this security key into any other devices you want to connect to the wireless network.

## Network Security Protocols

The TV only supports the following wireless network security protocols:

- Authentication Modes: WEP, WPAPSK, WPA2PSK
- Encryption Types: WEP, TKIP, AES

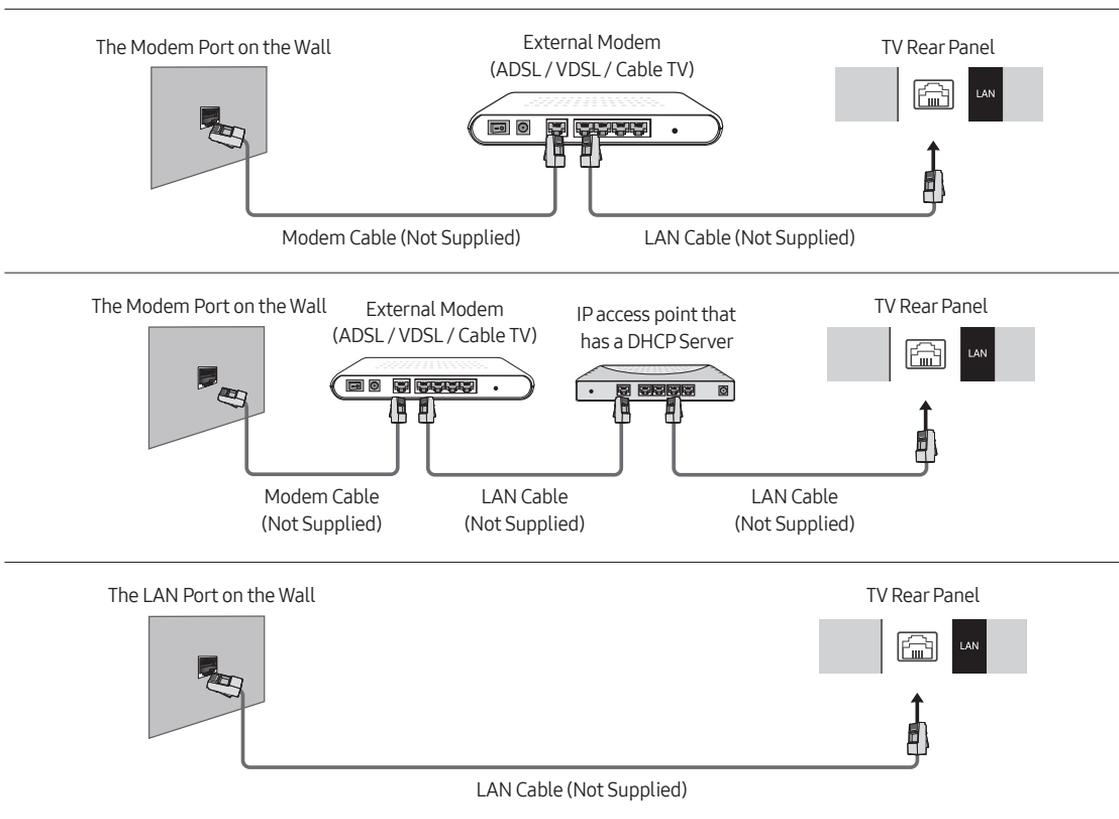
In compliance with the Wi-Fi certification specifications, Samsung TVs do not support WEP or TKIP security encryption in networks running in the 802.11n mode.

If the wireless access point supports WPS (Wi-Fi Protected Setup), you can connect the TV to your network using PBC (Push Button Configuration) or a PIN (Personal Identification Number). WPS automatically configures the SSID and WPA key settings.

Your Smart TV cannot connect to uncertified wireless access point.

## Establishing a wired Internet connection

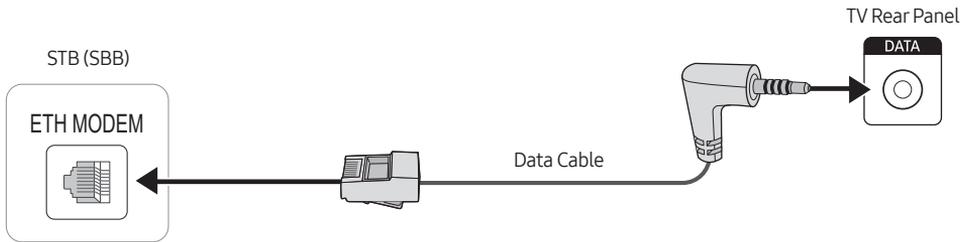
There are three main ways to connect the TV to your network using cable, depending on your network setup. They are illustrated below:



- The TV will not be able to the Internet if your network speed is less than 10 Mbps.
- Use CAT 7 (\*STP type) cable for the connection.
  - \* Shielded Twisted Pair

## Connecting the TV to a SBB or STB

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Connect the **DATA** port of the TV to the **ETH MODEM** port of the STB (SBB) with the Data cable.

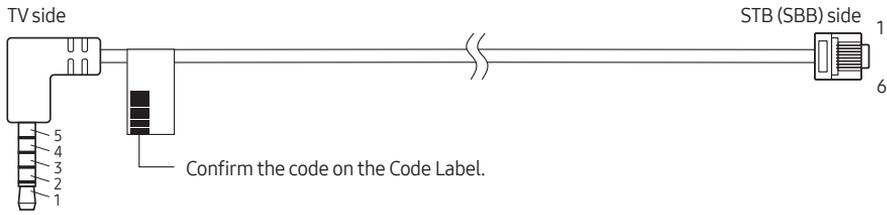
- The **ETH MODEM** port name that you connect the Data Cable to may differ depending on the SBB or STB type.
- IR signals sent by the remote control to the TV or SBB / STB must meet the following specification to use IR pass through function.

IR signal receiver specification

- Band pass filter centre frequency: 37.9 kHz
- Carrier Frequency, Duty 50%
- Minimum Burst Length (tburst): 12 pulses (316 us)
- Minimum Gap Time Between the burst (tburst gap): 16 pulses (422 us)
- Minimum Gap Time between the data commands (tpause): 25 ms

## List of Hospitality SI Vendors and compatible data cables supplied with the TV

- Confirm you are using the correct data cable for your SI vendor. Refer to the code label on the data cables.
- Contact your nearest dealer or your SI Vendor to buy the data cable not included in the TV.



Cable code	Pin assign	SI Vendor																											
BN39-02462A (Colour: BLACK)	<table border="1"> <thead> <tr> <th colspan="2">TV SIDE</th> </tr> </thead> <tbody> <tr><td>1: NC</td></tr> <tr><td>2: RX</td></tr> <tr><td>3: TX</td></tr> <tr><td>4: IR</td></tr> <tr><td>5: GND</td></tr> </tbody> </table> <table border="1"> <thead> <tr> <th>P1</th> <th>P2</th> </tr> </thead> <tbody> <tr><td>1 RED</td><td>3</td></tr> <tr><td>2 GREEN</td><td>5</td></tr> <tr><td>3 WHITE</td><td>6</td></tr> <tr><td>4 BLACK</td><td>1</td></tr> <tr><td>5 YELLOW</td><td>2</td></tr> </tbody> </table> <table border="1"> <thead> <tr> <th colspan="2">STB (SBB) SIDE</th> </tr> </thead> <tbody> <tr><td>1: IR</td></tr> <tr><td>2: GND</td></tr> <tr><td>3: NC</td></tr> <tr><td>4: NC</td></tr> <tr><td>5: RX</td></tr> <tr><td>6: TX</td></tr> </tbody> </table>	TV SIDE		1: NC	2: RX	3: TX	4: IR	5: GND	P1	P2	1 RED	3	2 GREEN	5	3 WHITE	6	4 BLACK	1	5 YELLOW	2	STB (SBB) SIDE		1: IR	2: GND	3: NC	4: NC	5: RX	6: TX	SAMSUNG and others
TV SIDE																													
1: NC																													
2: RX																													
3: TX																													
4: IR																													
5: GND																													
P1	P2																												
1 RED	3																												
2 GREEN	5																												
3 WHITE	6																												
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STB (SBB) SIDE																													
1: IR																													
2: GND																													
3: NC																													
4: NC																													
5: RX																													
6: TX																													

- RX and TX notation is based on TV.
- Operation Specification of Data Cable(RJ12): RS232

# 07 Using a TV Viewing Card (“CI or CI+ Card”)

Watches paid channels by inserting your TV viewing card (“CI or CI+ Card”) into the COMMON INTERFACE slot.

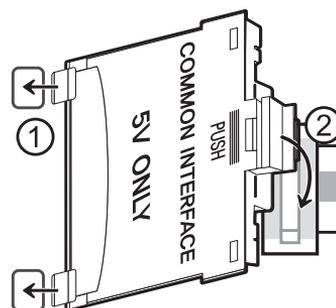
- The 2 CI card slots may not be supported depending on the model.
- Turn the TV off to connect or disconnect a “CI or CI+ Card”.
- The “CI or CI+ Card” may not supported depending on the model.

## Connecting the “CI or CI+ Card” via COMMON INTERFACE slot with the CI CARD Adapter

### Attaching the CI CARD Adapter via COMMON INTERFACE slot

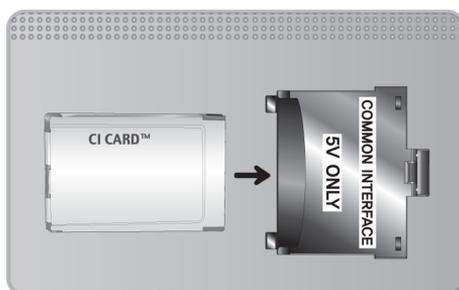
To attach the CI CARD Adapter to the TV, follow these steps:

- ① Insert the CI CARD Adapter into the two holes on the back of TV.
  - Please locate the two holes at the back of the TV next to the COMMON INTERFACE slot.
- ② Connect the CI CARD Adapter to the COMMON INTERFACE slot on the back of TV.



### Connecting the “CI or CI+ Card”

Connect the “CI or CI+ Card” to the COMMON INTERFACE slot as shown in the image below.



## Using the “CI or CI+ Card”

To watch paid channels, the “CI or CI+ CARD” must be inserted.

- Samsung TV follow up CI+ 1.4 standard. When Samsung TV product display the pop-up message, it may happen due to CI+ 1.4 Version inconsistency. If you have a problem, please contact Samsung Call Centre.
  - Your Samsung TV conforms to the CI+ 1.4 standards.
  - Where a CI+ Common Interface module is incompatible with Samsung TV then please remove the module and contact the CI+ operator for assistance.
- If you don't insert the “CI or CI+ CARD”, some channels will display the pop-up message.
- The Pairing information will be displayed in about 2-3 minutes. If an error message is displayed, please contact your service provider.
- When the configuration of channel information has finished, the message “Updating Completed” is displayed, indicating the channel list is updated.
- You must obtain a “CI or CI+ CARD” from a local cable service provider.
- When removing the “CI or CI+ CARD”, carefully pull it out with your hands since dropping the “CI or CI+ CARD” may cause damage to it.
- Insert the “CI or CI+ CARD” in the direction marked on the card.
- The location of the COMMON INTERFACE slot may be different depending on the model.
- “CI or CI+ CARD” are not supported in some countries and regions. check with an authorized dealer to find out if “CI or CI+ CARD” are supported in your locality.
- If you have any problems, please contact a service provider.
- Insert the “CI or CI+ CARD” that supports the current aerial settings. If not, the screen may not look normal.

## 08 Setting the Admin Menu

To access the **Admin menu**, press the following buttons on the remote control:

1. Press the **MUTE** button.
2. Press the **1** button.
3. Press the **1** button.
4. Press the **9** button.
5. Press the **Select** button.



To control the TV functions in the **Admin menu**, the TV has two modes, the **Standalone** mode and the **Interactive** mode. The menu items that differ between the modes are listed below.

Menu items in the **Standalone** mode only:

- **SI Vendor:** OFF / Movielink / Swisscom / SSCP
- **LYNK Cloud, LYNK HMS, Virtual Standby, Room Number** and its submenus.

Menu items in the **Interactive** mode only:

- **SI Vendor:** Samsung and other vendors.

All other items appear in both modes.

After a menu appears, follow these general directions to navigate and change values:

- Use the directional buttons on the remote control to move from menu item to menu item.
- Press the **Select** button on the remote control to select a menu item. The screen displays that menu item only.
- Press the left or right directional button to change a value. The right directional button increases numerical values. The left arrow button decreases numerical values.
- When the screen is displaying one menu item, you can press the up or down directional button to display the next or previous menu item.
- Press the **RETURN** button to exit the current menu item and go to a higher menu level.
- To exit a **Admin menu**, turn off the TV, and then turn it on again. Any changes you made are saved except changes to SI (System Integration) vendor. For changes to SI vendor, you must turn the TV off, wait until the power indicator at the bottom of the TV glows steadily. And then unplug the TV's power cord, wait for the power indicator to go off, and then plug the TV's power cord in again.

To change menus between the **Interactive** mode and the **Standalone** mode, follow the steps below:

1. Highlight the **Hospitality Mode** menu item in the top left corner of the menu.
2. Press the **Select** button on the remote control. Only the **Hospitality Mode** menu item is displayed.
3. Press the left or right directional button to change the **Hospitality Mode** item from **Standalone** to **Interactive** or from **Interactive** to **Standalone**.
4. Press the **RETURN** button on the remote control. The entire menu re-appears with your selection displayed in the **Hospitality Mode** item.
  - After you have set the values in one TV, you can clone those values to multiple TVs.
  - For more information about the USB cloning refer to page 37.

## Admin menu items

To exit from this menu, turn off (or turn off and unplug the power cable if you have changed SI vendor) the TV, and then turn on again. Any changes you made are saved.

- The menu items may not be supported depending on the models.

Admin menu Item		Description
Hospitality Mode		Select <b>Hospitality Mode</b> . <ul style="list-style-type: none"> <li>• <b>Interactive:</b> TV works with an SI STB or SBB.</li> <li>• <b>Standalone:</b> TV works alone, without an SI STB or SBB.</li> </ul>
SI Vendor		<ul style="list-style-type: none"> <li>• <b>Interactive:</b> Samsung / ZM / Locatel / VDA / VDA-S / Acentic / Sustinere / Quadriga / ETV / IBahn / Magilink / Otrum / Siemens / Amino / MDC / Enseo</li> <li>• <b>Standalone:</b> OFF / Movielink / Swisscom / SSCP</li> </ul>
SI Config	MDC ID Settings	Assigns an individual <b>MDC ID</b> . <ul style="list-style-type: none"> <li>• This function only available when <b>MDC</b> is selected in <b>Interactive SI Vendor</b>.</li> </ul>
	TV Version	Select the TV version. (1.0 / 2.0) <ul style="list-style-type: none"> <li>• This function only available when <b>Magilink</b> is selected in <b>Interactive SI Vendor</b>.</li> </ul>
Power On	Power On Channel	Set the channel to display when the TV is turned on. <ul style="list-style-type: none"> <li>• <b>User Defined:</b> Lets you set the channel number manually on <b>Power On Channel Num</b>. See <b>Power On Channel Num</b> below.</li> <li>• <b>Last Saved:</b> If you select this item, when the TV is turned on, it displays the channel it was displaying when it was turned off.</li> </ul>
	Power On Channel Num	When the TV is turned on, it switches automatically to this channel.
	Power On Channel Type	Select the type of the channel will be displayed when the TV is turned on. <b>ATV</b> (analogue aerial band), <b>DTV</b> (digital aerial band), <b>CATV</b> (analogue cable band), <b>CDTV</b> (digital cable band), <b>SDTV</b> (digital satellite band), <b>IPTV</b> (IP channel, <b>IPTV</b> is set when deployed from solution.)
	Power On Volume	Set volume level when the TV is turned on. <ul style="list-style-type: none"> <li>• <b>User Defined:</b> Lets you set volume level manually.</li> <li>• <b>Last Saved:</b> When the TV is turned on, it returns to the volume that had been set when the power had been turned off.</li> </ul>
	Power On Volume Num	The TV turns on with set volume level.
	Min Volume	The minimum volume level the user can set.
	Max Voume	The maximum volume level the user can set.
	Power On Source	Select the input source to be displayed when the TV is turned on.
	Power On Option	Determines the TV's state when power returns after a power failure or after you have unplugged the TV and then plugged it in again. <ul style="list-style-type: none"> <li>• <b>Last Option:</b> Returns to its last power state. If it was in standby mode, it returns to standby mode. If it was on, it turns on.</li> <li>• <b>Power ON:</b> When the power returns, the TV turns on.</li> <li>• <b>Standby:</b> When the power returns, the TV enters the standby mode.</li> </ul>

Admin menu Item	Description
Channel	<p><b>Channel Setup</b></p> <p>Gives you direct, immediate access to some of the channel menu functions on the <b>Broadcasting</b> menu such as <b>Auto Tuning</b>, <b>Audio Options</b>, etc.</p>
	<p><b>Channel Editor</b></p> <p>Lets you edit the channels stored in the TV's memory.</p> <ul style="list-style-type: none"> <li>• Change the channel numbers and names, manage genre and language groups and delete channels.</li> <li>• Apply the <b>Screen Off</b> to channels you select. The <b>Screen Off</b> blanks out the video from a channel and outputs only audio.</li> <li>• Lets you view information about each channel easily, without your having to display each channel directly.</li> </ul>
	<p><b>Mixed Channel Map</b></p> <p>Enables showing/browsing all antenna type (Aerial/Cable or Satellite) channels at the same time.</p> <ul style="list-style-type: none"> <li>• <b>ON:</b> When set to on, guests can access the complete channel map irrespective of the selected antenna type. The <b>Channel List/Channel Editor</b> will also populate Aerial as well Cable type channels.</li> <li>• <b>OFF:</b> When set to off, guest can access the channel map corresponding to the selected antenna type (Aerial/Cable or Satellite) only. The <b>Channel List/Channel Editor</b> will only show the selected antenna type channels.</li> </ul> <p>– This function is set to <b>ON</b> automatically in <b>Interactive</b> mode.</p>
	<p><b>Dynamic SI</b></p> <ul style="list-style-type: none"> <li>• <b>ON:</b> The TV will check the DTV programme channel number automatically. (You can't edit DTV programme channel number in <b>Channel Editor</b>.)</li> <li>• <b>OFF:</b> You can't check the DTV programme channel number. (You can edit DTV programme channel number in <b>Channel Editor</b>. While TV do not support auto channel number update.)</li> </ul>
Channel	<p><b>Channel Rescan Message</b></p> <p>When there is a mismatch between the data in the channel map and the transmitted data, the TV autotunes the channels to restore the data/parameters in the channel map.</p> <ul style="list-style-type: none"> <li>• <b>ON:</b> When <b>Channel Rescan Message</b> is set to on, the OSD showing that the channels are being rescanned will be displayed to the guest.</li> <li>• <b>OFF:</b> When <b>Channel Rescan Message</b> is set to off, if the rescan message OSD should not be displayed to the guests.</li> </ul>
	<p><b>Pan Euro MHEG</b></p> <ul style="list-style-type: none"> <li>• <b>OFF:</b> If <b>Pan Euro MHEG</b> is set to Off, MHEG runs according to the existing product specifications. (E.g. MHEG runs for England, but MHEG does not run for France.)</li> <li>• <b>ON:</b> If <b>Pan Euro MHEG</b> is set to on, MHEG is on regardless of the product specifications or region. (Even if the region does not support MHEG, it is supported in case the hotel supports MHEG.)</li> </ul>
	<p><b>Mychannel</b></p> <p>Enable or disable the <b>My Channel</b> function.</p> <ul style="list-style-type: none"> <li>• This function is not available when set to <b>Hospitality Mode: Interactive</b>.</li> </ul>
	<p><b>Subtitle Auto On</b></p> <p>This function turns the function on or off that automatically turns on the subtitles in a specific country.</p> <p>This function is supported for the TVs that are ready to receive DVB broadcasts that is heading to Europe.</p> <p>This function is related to France's subtitle specification. The rest of the subtitle functions available according to the country specifications regardless of <b>Subtitle Auto On</b> function.</p> <ul style="list-style-type: none"> <li>• <b>ON:</b> When <b>Subtitle Auto On</b> is set to on, it follows France's subtitle specifications.</li> <li>• <b>OFF:</b> When <b>Subtitle Auto On</b> is set to off, it does not follow France's subtitle specifications.</li> </ul>
	<p><b>TTX Widescreen Mode</b></p> <p><b>ON:</b> TTX should show in 16:9 picture size.  <b>OFF:</b> TTX should show in 4:3 picture size.</p>

Admin menu Item		Description
Menu OSD	Picture Menu Lock	Enable or disable the <b>Picture</b> menu.
	Menu Display	<ul style="list-style-type: none"> <li>• <b>ON</b>: The main menu is displayed.</li> <li>• <b>OFF</b>: The main menu is not displayed.</li> </ul>
	Channel Menu Display	<ul style="list-style-type: none"> <li>• <b>OFF</b>: <b>Broadcasting</b> menu is disable for guest.</li> <li>• <b>ON</b>: <b>Broadcasting</b> menu is enable for guest.</li> </ul>
	Panel Button Lock	Turning the TV Controller button operations on or off. <ul style="list-style-type: none"> <li>• <b>Unlock</b>: Unlocks TV Controller button.</li> <li>• <b>Lock</b>: Locks TV Controller button.</li> <li>• <b>OnlyPower</b>: Locks TV Controller button except the power off function.</li> </ul>
Clock	Local Time	Select the way to update the clock data <ul style="list-style-type: none"> <li>• <b>Auto</b>: The clock is set automatically from the DTV channel when the TV is in <b>Interactive</b> mode.</li> <li>• <b>Manual</b>: The clock is set manually by the user.</li> <li>• <b>Time Channel</b>: The clock is set from the selected channel.</li> </ul>
	Time Channel Type	Select the type of the channel to update the clock data. <ul style="list-style-type: none"> <li>• This function is only available <b>Local Time</b> set to <b>Time Channel</b>.</li> </ul>
	Time Channel Num	Select the number of the channel to update the clock data. <ul style="list-style-type: none"> <li>• This function is only available <b>Local Time</b> set to <b>Time Channel</b>.</li> </ul>
External Source	USB Pop-up Screen	When USB is connected to the TV : <ul style="list-style-type: none"> <li>• <b>Default</b>: A popup window appears.</li> <li>• <b>Automatic</b>: This enters the USB content menu automatically.</li> <li>• <b>Disable</b>: Neither the popup window nor the USB content menu appears.</li> </ul>
Eco Solution	Power Saving Mode	<ul style="list-style-type: none"> <li>• <b>ON</b>: Turns on the energy saving function.</li> <li>• <b>OFF</b>: Turns off the energy saving function.</li> </ul>
Cloning	Clone TV to USB	Clone the current TV options to a USB device.
	Clone USB to TV	Clone the saved TV options on a USB device to the TV.
	Setting Auto Initialize	If you set <b>Setting Auto Initialize</b> to <b>On</b> , and the TV's power is turned off and on, TV menu items are restored again to their values cloned initially.
Smart Service	Network Setup	Run the Network menu to configure your TV's network settings. You can set the following items: <ul style="list-style-type: none"> <li>• <b>Network Status</b>: View the current network and Internet status.</li> <li>• <b>Open Network Settings</b>: Connect to an available network.</li> <li>• <b>Reset Network</b>: Restore the network settings to the factory default.</li> <li>• <b>Expert Settings</b>: Configure advanced network settings.</li> </ul>
	Download by App ID	Enter the App ID. Only a registered ID can be entered.
	Apps Editable	Provide a way to enable or disable the <b>APPS</b> and <b>Notification Settings</b> menu. <ul style="list-style-type: none"> <li>• <b>ON</b>: Enable the <b>APPS</b> and <b>Notification Settings</b> menu.</li> <li>• <b>OFF</b>: Disable the <b>APPS</b> and <b>Notification Settings</b> menu.</li> </ul>
	Terms & Policy	View the entire text of the <b>Terms &amp; Policy</b> document. <ul style="list-style-type: none"> <li>• You must agree to the Smart Hub service agreement.</li> </ul>
	Smart Features	Run the <b>Smart Features</b> menu. <ul style="list-style-type: none"> <li>• <b>Autorun Smart Hub</b>: If <b>Autorun Smart Hub</b> is set to <b>On</b>, the TV automatically displays the Home Screen when you turn on the TV.</li> </ul>
	Home App Preview Editor	Edit and manage the TV's Home menu. (This function is available after the Home app is installed.)
	Quick Settings Editor	Edit the items to be displayed in <b>Quick Settings</b> and change their order.

Admin menu Item		Description
Universal Remote	Universal Remote Setting	Run the <b>Universal Remote Setup</b> function.
	Universal Remote Icon DL	Lets you download Universal Remote icons from USB device and applying downloaded icons to the connected Universal Remote source.
Security	Factory Lock	Disable entry to <b>Admin menu</b> . <ul style="list-style-type: none"> <li>• <b>ON</b>: The password is needed before entering <b>Admin menu</b>.</li> <li>• <b>OFF</b>: Disable this function.</li> </ul>
	Password Popup	Enable or disable password input popup window. If this option is set to <b>OFF</b> , the TV will not display the password input popup window when entering the <b>Admin menu</b> . If set to <b>ON</b> , the password input popup window appears.
	Password Input	If this function is enabled, the password input popup window appears which asks for an 8-character security password. User must enter a password before applying or updating security preferences. After the correct password is entered, options such as <b>Password Setting</b> , <b>Password Reset</b> and <b>Security Mode</b> are available.
	Password Setting	User can change the password.
	Password Reset	Password is reset to "00000000."
	Security Mode	Provides password protected administrative functionality to enable or disable features of hospitality TV, such as <b>USB</b> , <b>HDMI</b> . To use this option, <b>Security Mode</b> set to <b>ON</b> . After <b>Security Mode</b> set to <b>ON</b> , options such as <b>USB</b> , <b>HDMI</b> are automatically enabled.
	USB	Enable or disable USB access. If this function is set to <b>Disable</b> , access to USB media is blocked. <b>Clone USB to TV</b> and <b>TV Reset</b> will be disabled in the <b>Admin menu</b> .
	HDMI	Enable or disable HDMI access. If this function is set to <b>Disable</b> , Anynet+, HDMI source, HDMI type external channels will not be accessible to the user.
TTX Security	If this option is set to <b>Disable</b> , the TTX feature will not work when the TTX/MIX button is pressed on the remote control.	
DRM	DRM Mode	Configures DRM support. <ul style="list-style-type: none"> <li>• <b>OFF</b>: Turns off DRM support.</li> <li>• <b>LYNK DRM</b>: Select to turn on LYNK CAS support only.</li> </ul>
System	Self Diagnosis for HTV	<ul style="list-style-type: none"> <li>• <b>STB SI Vendor Setting</b> <ul style="list-style-type: none"> <li>– Lets you check the communication with the SI STB or SBB. If you have any problems with the communications with the SI STB or SBB, use this diagnosis function. If your broadcasting system does not have a problem, contact a Samsung service centre. If <b>STB SI Vendor Setting</b> appears to have failed and communication with the SI STB or SBB has failed, first check your SI STB or SBB. If your SI STB or SBB does not have a problem, contact to a Samsung service centre.</li> </ul> </li> </ul>
	Self Diagnosis for TV	Run the <b>Self Diagnosis</b> menu. <ul style="list-style-type: none"> <li>• <b>Start Picture Test</b>: Use this test when you experience a problem with your TV's picture.</li> <li>• <b>Start Sound Test</b>: Use this test when you experience a problem with your TV's sound.</li> <li>• <b>Signal Information</b>: Show digital broadcasting signal information.</li> <li>• <b>Start Smart Hub Connection Test</b>: If the TV has trouble with network connection or TV services, check the Smart Hub connection status.</li> <li>• <b>Reset Smart Hub</b>: Reset the Smart Hub and Samsung account settings stored on your TV.</li> </ul>

Admin menu Item		Description
System	System Manager	Gives you direct, immediate access to <b>System Manager</b> functions such as <b>Time, Language, Change PIN</b> . <b>System Manager</b> allow you to adjust your TV's system and customise settings for your viewing environment.
	OTN Update	Lets you upgrade the TV Software over the network when a valid upgrade file is present on server.
	SW Update	Lets you upgrade the TV Software with a USB device.
	About This TV	Display the web site of related Samsung service centre, and product and software information.
	Standby LED	When the TV is in standby mode, you can configure the settings of the power indicator. <ul style="list-style-type: none"> <li>• <b>ON</b>: The LED is on.</li> <li>• <b>OFF</b>: The LED is off.</li> </ul>
	TV Reset	Returns all settings on the TV to their factory defaults.
LYNK Cloud	Enrollment	Lets you enroll the TV with <b>LYNK Cloud</b> solution.
	Enrollment Status	Check the status of the TV enrollment in the <b>LYNK Cloud</b> service.
LYNK HMS	HMS Mode	You can turn on or off the <b>HMS Mode</b> . When set to <b>ON</b> , the TV can operate with the <b>LYNK HMS</b> server through the IP network.
	Server URL Setting	You can enter the <b>LYNK HMS</b> server's address. (Example: http://192.168.1.2:8080)
	Gateway Role	When there is one TV per room, set to <b>Master</b> . When there are more than one TVs per room, set the main TV to <b>Master</b> and the others to <b>Slave</b> .
* Virtual Standby	Virtual Standby Mode	When the AC power cord is plugged in and the power is off, this option maintains the TV's important features even after the screen is off. <ul style="list-style-type: none"> <li>• Electricity consumption may vary depending on the environment.</li> </ul>
	Reboot Time	After the TV power is off (in <b>Virtual Standby Mode</b> ) if there is no input from the user within the set <b>Reboot Time</b> , the TV will reboot and enter <b>Virtual Standby Mode</b> again.
Room Number		You can set the room number of the TV's location. When <b>Device Name</b> menu is launched, enter the room number.

- \*: This function is available when **Enrollment Status** in **LYNK Cloud** is set to **ON** or **HMS Mode** in **LYNK HMS** is set to **ON**.
- Refer to the manual of each solution for details about functions and settings of the solutions such as **LYNK Cloud**, **LYNK HMS**.

# USB Cloning

## Admin menu > Cloning

The USB cloning function lets you download user-configured settings (**Picture, Sound, Broadcasting, Admin menu** and so on) from one TV to a USB device, and then upload these settings from the USB device to other TV sets. This lets you create a standard file of settings and distribute that standard file to all the TVs in your facility.

- After cloning, certain features are applied when the TV is turned on again.

## Cloning TV to USB: Copies stored menu settings from a TV to a USB device

### Admin menu > Cloning > Clone TV to USB

1. Insert a USB device into the USB port on the rear of the TV.
2. Go to the **Admin menu**.
3. Press the up or down directional button to select **Clone TV to USB**, and press the **Select** button on the remote control.
  - The clone folder will be labelled **T-MSLDEUC**.
  - The cloned values include the values on the guest side menu (**Picture, Sound, Broadcasting** and so on) and the **Admin menu**.

## Cloning USB to TV: Copies menu settings and channel data in a USB device to a TV

To clone data to the TV using the **Admin menu**, follow these steps:

1. Turn the TV off.
  2. Insert the USB device into the USB port on the rear of the TV.
  3. Turn the TV on.
  4. Go to the **Admin menu**.
  5. Press the up or down directional button to select **Clone USB to TV**, and press the **Select** button on the remote control.
  6. The message **Clone settings from USB to TV** is displayed. Press the **Select** button on the remote control.
    - If there is no file to copy on the USB device or the message that there is no file appears, check the folder on your USB device.
    - The folder name should be **T-MSLDEUC**.
    - Tables that list the settings that are cloned in the **Admin menu** begin on the next page.
-  Turn the TV off, insert the USB device, turn the TV on, and then press the **Select** button on the remote control for 5 seconds.

## Pre-condition for cloning (check point)

- Cloning should be done between same model (same version).
- Before cloning, all displays should be updated at the latest version (same version).

## Settings Cloned in the Admin menu

- The menu items may not be supported depending on the models.

Menu Item		Sub Item	Cloned or not
Hospitality Mode		Standalone / Interactive	Yes
SI Vendor		Interactive mode : Samsung / 2M / Locatel / VDA / VDA-S / Acentic / Sustinere / Quadriga / ETV / IBahn / Magilink / Otrum / Siemens / Amino / MDC / Enseo Standalone mode : OFF / Movielink / Swisscom / SSCP	Yes
SI Config	MDC ID Settings	00-99	Yes
	TV Version	1.0 / 2.0	Yes
Power On	Power On Channel	User Defined / Last Saved	Yes
	Power On Channel Num	***	Yes
	Power On Channel Type	ATV / DTV / CATV / CDTV / SDTV / IPTV	Yes
	Power On Volume	User Defined / Last Saved	Yes
	Power On Volume Num	0~100	Yes
	Min Volume	0~100	Yes
	Max Volume	0~100	Yes
	Power On Source	TV / HDMI1 / HDMI2 / HDMI3 / Last Saved	Yes
Power On Option		Power On / Standby / Last Option	Yes
Channel	Channel Setup	—	Yes
	Channel Editor	—	Yes
	Mixed Channel Map	ON / OFF	Yes
	Dynamic SI	ON / OFF	Yes
	Channel Rescan Message	ON / OFF	Yes
	Pan Euro MHEG	ON / OFF	Yes
	MyChannel	ON / OFF	Yes
	Subtitle Auto On	ON / OFF	Yes
TTX Widescreen Mode		ON / OFF	Yes
Menu OSD	Picture Menu Lock	ON / OFF	Yes
	Menu Display	ON / OFF	Yes
	Channel Menu Display	ON / OFF	Yes
	Panel Button Lock	Unlock / Lock / OnlyPower	Yes
Clock	Local Time	Standalone: Manual / Time Channel Interactive: Manual / Auto / Time Channel	Yes
	Time Channel Type	DTV / CDTV	Yes
	Time Channel Num	***	
External Source	USB Pop-up Screen	Default / Automatic / Disable	Yes
Eco Solution	Power Saving Mode	ON / OFF	Yes

Menu Item		Sub Item	Cloned or not	
Cloning	Clone TV to USB		—	No
	Clone USB to TV		—	No
	Setting Auto Initialize		ON / OFF	Yes
Smart Service	Network Setup		—	No
	Download by App ID		—	Yes
	Apps Editable		ON / OFF	Yes
	Terms & Policy		—	Yes
	Smart Features		Autorun Smart Hub: ON / OFF	Yes
	Home App Preview Editor		—	Yes
	Quick Settings Editor		—	Yes
Universal Remote	Universal Remote Setting		—	No
	Universal Remote Icon DL		—	Yes
Security	FactoryLock		ON / OFF	Yes
	Password Popup		ON / OFF	Yes
	Password Input		—	No
	Password Setting		—	Yes
	Password Reset		—	No
	Security Mode		ON / OFF	Yes
	USB		Enable / Disable	Yes
	HDMI		Enable / Disable	Yes
DRM	TTX Security		Enable / Disable	Yes
	DRM Mode		OFF / LYNKDRM	Yes
System	Self Diagnosis for HTV	STB SI Vendor Setting	SI Name Success / Failure	No
	Self Diagnosis for TV		—	No
	System Manger		—	No
	OTN Update		ON / OFF	Yes
	SW Update		—	No
	About This TV		—	No
	Standby LED		ON / OFF	Yes
LYNK Cloud	TV Reset		—	No
	Enrollment		—	No
LYNK HMS	Enrollment Status		Connected to the lynk cloud: Active / Not Active Not connected to the lynk cloud: Failure	No
	HMS Mode		ON / OFF	Yes
	Server URL Setting		—	Yes
Virtual Standby	Gateway Role		Master / Slave	Yes
	Virtual Standby Mode		ON / OFF	Yes
Reboot Time		OFF / 5 / 15 / 30 / 60		
Room Number		—	No	

# Setting Auto Initialize

## Admin menu > Cloning > Setting Auto Initialize

When you clone settings from one TV to another, you clone both the guest side menu and hotel side menu settings: **Picture, Sound, Broadcasting, Admin menu** and so on. This lets you set nearly all of the menu values on your hospitality TVs to the same, standard settings. If you allow guests access to the guest side menus, for example the **Picture** menu, they can change the settings in those menus so they are no longer standard. If you set the **Setting Auto Initialize** function to on, the TV automatically restores (initialises) any guest side menu values to the cloned, standard values when the TV is turned off and then turned on again. Note that **Setting Auto Initialize** works on cloned guest side menu values only. Then unplug the TV, wait for the power indicator to go off, and then plug the TV in again. Settings which have not been cloned are ignored.

The table below lists the settings that are restored to their cloned values when you set the **Setting Auto Initialize** function to on.

- The menu items may not be supported depending on the models.

Menu Item				
Picture	Picture Mode			
	Picture Size Settings	Picture Size		
		Fit to screen		
	Expert Settings	Backlight		
		Brightness		
		Contrast		
		Sharpness		
		Colour		
		Tint (G/R)		
		Apply Picture Settings		
		Digital Clean View		
		Auto Motion Plus Settings	Auto Motion Plus	
			Judder Reduction	
			LED Clear Motion	
	Contrast Enhancer			
	Film Mode			
Colour Tone				

Menu Item				
Picture	Expert Settings	White Balance	2 Point	R-Gain
				G-Gain
				B-Gain
				R-Offset
				G-Offset
				B-Offset
			20 Point Settings	20 Point
				Interval
		Gamma	Red	
			Green	
			Blue	
			HLG	
			ST.2084	
			BT.1886	
			RGB Only Mode	
			Colour Space Settings	Colour Space
Colour				
Red				
Green				
			Blue	
Sound	Sound Output			
	Sound Mode			
	Expert Settings	Balance		
		Equaliser		
		Digital Output Audio Format		
		Digital Output Audio Delay		
		Auto Volume		
Sound Feedback				
Broadcasting	Expert Settings	Teletext Language Settings	Teletext Language	
			Primary Teletext Language	
			Secondary Teletext Language	
		Audio Options	Primary Audio Language	
	Secondary Audio Language			

Menu Item					
General	System Manager	Time	Clock	Clock Mode	
				Time Zone	
				DST	
				GMT	
		Language			
	External Device Manager	Anynet+ (HDMI-CEC)			
		Game Mode			
		Input Signal Plus			
		HDMI Black Level			
		Input Device Manager	Keyboard Settings	Keyboard Language	Keyboard type
	Eco Solution	Energy Saving Mode			
		Motion Lighting			
		Auto Power Off			
	Accessibility	High Contrast			
		Greyscale			
		Colour Inversion			
		Enlarge			

## Updating the TV's Software

DO NOT turn off the TV's power until the update is complete. The TV will turn off and on automatically after completing the software update. Video and audio settings will be reset to their defaults after a software update. We recommend you clone the TV's settings so that you can easily reset them after the upgrade.

- For more information about the USB cloning function, refer to page 37.

### Updating through a USB device

To update the TV's software, follow these steps:

1. Insert a USB device containing the software update file into the USB port of the TV.
  2. Run **SW Update**.
    - **Admin menu > System > SW Update**
  3. The TV displays a pop-up message that checks for the updated version.
  4. Move the focus to **OK**, and then press the **Select** button on the remote control.
- Please be careful to not disconnect the power or remove the USB device while upgrades are being applied. The TV will turn off and turn on automatically after completing the SW upgrade. Please check the SW version after the upgrades are complete.

# 09 Editing Channels

## Using Channel Editor

 Admin menu > Channel > Channel Editor

Using **Channel Editor** you can edit the channels stored in the TV's memory.

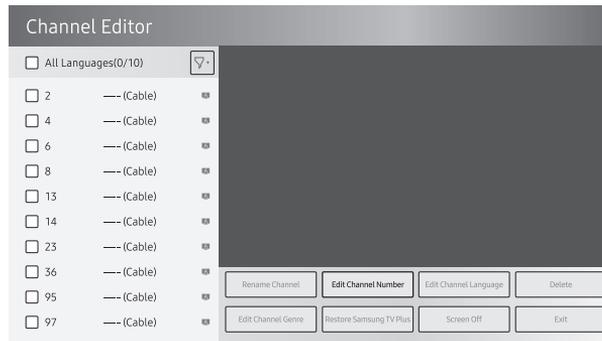
- Change the channel numbers and names, edit the channel language and channel genre and delete channels.
- If you set the **Screen Off** function to **On** for the selected channels, a screen off message is displayed, and pictures are turned off by the **Screen Off** function and only audio is output from those channels.
- **Channel Editor** also lets you view information about each channel easily, without your having to display each channel directly.

### General Steps for Using the Channel Editor in Standalone Mode



- The image on your TV may differ from the image above depending on the model and geographical area.
1. Run **Channel Setup** (**Channel > Channel Setup**) in the **Admin menu**.
  2. Enter **Channel Editor** (**Channel > Channel Editor**) in the **Admin menu**.
  3. On a piece of paper, compile a list of channels you want to have, arranged in the order you want.
  4. Based on the list created in Step 3, rearrange the channels and edit the channel names.
  5. Press the **EXIT** or **RETURN** button to exit.

## Editing the Channel Number



Change the channel number of a channel you select. To change a channel number, follow these steps:

1. Select a channel on the **Channel Edit** screen.
2. Use the directional buttons on the remote control, move the focus to **Edit Channel Number**, and press the **Select** button.
3. Use the up or down directional buttons on the remote control to change the channel number.
4. Move the focus to **OK** when done, and then press the **Select** button on the remote control.
  - When you change the channel number, the channel information is updated automatically.

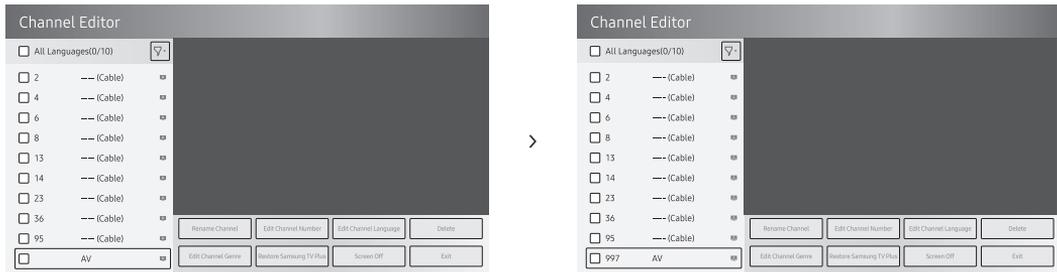
## Rename the Channel

Change the name of a channel you select. To change the name of a channel, follow these steps:

1. Select a channel on the **Channel Edit** screen.
2. Use the directional buttons on the remote control, move the focus to **Rename channel**, and then press the **Select** button.
3. Use the on-screen keyboard that appears to enter the new name for the channel. Use the directional buttons on the remote control, move the focus a letter or number, and then press the **Select** button. Repeat for each letter or number you want to enter.
4. When finished, move the focus to **Done**, and then press the **Select** button on the remote control.

## Assigning the Channel Number to the external device

The external device source of the TV are displayed in the last page of the **Channel Editor** menu as shown below.



1. Select a external device source on the **Channel Edit** screen.
  2. Use the directional buttons on the remote control, move the focus to **Edit Channel Number**, and press the **Select** button.
  3. Use the up or down directional buttons on the remote control to assign the channel number.
  4. Move the focus to **OK** when done, and then press the **Select** button on the remote control.
- Once you assign a channel number to an external device, you can enter the external device without opening the TV source menu.

# 10 Specifications and Other Information

## Specifications

Model Name	HG43RU750E	HG50RU750E
Display Resolution	3840 x 2160	3840 x 2160
Screen Size Measured Diagonally	43 inches 108 cm	50 inches 125 cm
Sound (Output)	20 W	20 W
Dimensions (W x H x D) Body With stand	970.2 x 563.2 x 58.2 mm 970.2 x 636.3 x 210.3 mm	1124.8 x 650.2 x 59.1 mm 1124.8 x 728.8 x 261.3 mm
Weight Without Stand With Stand	9.6 kg 9.8 kg	13.6 kg 13.9 kg
Model Name	HG55RU750E	HG65RU750E
Display Resolution	3840 x 2160	3840 x 2160
Screen Size Measured Diagonally	55 inches 138 cm	65 inches 163 cm
Sound (Output)	20 W	20 W
Dimensions (W x H x D) Body With stand	1238.6 x 714.2 x 58.7 mm 1238.6 x 792.8 x 261.3 mm	1457.5 x 837.3 x 59.1 mm 1457.5 x 917.3 x 312.8 mm
Weight Without Stand With Stand	17.3 kg 17.7 kg	25.0 kg 25.5 kg

Model Name	HG75RU750E
Display Resolution	3840 x 2160
Screen Size Measured Diagonally	75 inches 189 cm
Sound (Output)	20 W
Dimensions (W x H x D) Body With stand	1684.6 x 966.4 x 60.1 mm 1684.6 x 1056.5 x 356.1 mm
Weight Without Stand With Stand	37.0 kg 37.5 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

### Notes

- 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 information on the label attached to the product.
  - On most models, the label is attached to the back of the TV. (On some models, the label is inside the cover terminal.)
- Your TV and its accessories may look different than the product images presented in this manual, depending on the model.
- All drawings are not necessarily to scale. Some dimensions are subject to change without prior notice. Refer to the dimensions before installing your TV. Not responsible for typographical or printed errors.
- Typical power consumption is measured according to IEC 62087.

## 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.

## Supported Resolutions for UHD Input Signals

- Resolution: 3840 x 2160p, 4096 x 2160p

### If Input Signal Plus is set to Off

Frame rate (fps)	Colour Depth / Chroma Sampling	RGB 4:4:4	YCbCr 4:4:4	YCbCr 4:2:2	YCbCr 4:2:0
50 / 60	8 bit	-	-	-	0

### If Input Signal Plus is set to On

Frame rate (fps)	Colour Depth / Chroma Sampling	RGB 4:4:4	YCbCr 4:4:4	YCbCr 4:2:2	YCbCr 4:2:0
50 / 60	8 bit	0	0	0	0
	10 bit	-	-	0	0
	12 bit	-	-	0	0

## Supported Resolutions for Connecting a Computer

When you use your TV as a computer monitor, you can also select one of the standard resolutions listed in the Resolution column. The TV will automatically adjust to the resolution you choose.

Mode	Resolution	Display format	Horizontal frequency (KHz)	Vertical frequency (Hz)	Clock frequency (MHz)	Polarity (horizontal / vertical)
IBM	720 x 400	70 Hz	31.469	70.087	28.322	-/+
MAC	640 x 480	67 Hz	35.000	66.667	30.240	-/-
	832 x 624	75 Hz	49.726	74.551	57.284	-/-
VESA DMT	1152 x 870	75 Hz	68.681	75.062	100.000	-/-
	640 x 480	60 Hz	31.469	59.940	25.175	- / -
	640 x 480	72 Hz	37.861	72.809	31.500	- / -
	640 x 480	75 Hz	37.500	75.000	31.500	- / -
	800 x 600	60 Hz	37.879	60.317	40.000	+ / +
	800 x 600	72 Hz	48.077	72.188	50.000	+ / +
	800 x 600	75 Hz	46.875	75.000	49.500	+ / +
	1024 x 768	60 Hz	48.363	60.004	65.000	- / -
	1024 x 768	70 Hz	56.476	70.069	75.000	- / -
	1024 x 768	75 Hz	60.023	75.029	78.750	+ / +
	1152 x 864	75 Hz	67.500	75.000	108.000	+ / +
	1280 x 720	60 Hz	45.000	60.000	74.250	+ / +
	1280 x 800	60 Hz	49.702	59.810	83.500	- / +
	1280 x 1024	60 Hz	63.981	60.020	108.000	+ / +
	1280 x 1024	75 Hz	79.976	75.025	135.000	+ / +
	1440 x 900	60 Hz	55.935	59.887	106.500	- / +
	1600 x 900	60 Hz	60.000	60.000	108.000	+ / +
1680 x 1050	60 Hz	65.290	59.954	146.250	- / +	
1920 x 1080	60 Hz	67.500	60.000	148.500	+ / +	

Mode	Resolution	Display format	Horizontal frequency (KHz)	Vertical frequency (Hz)	Clock frequency (MHz)	Polarity (horizontal / vertical)
VESA CVT	2560 x 1440	60 Hz	88.787	59.951	241.500	+ / -
	2560 x 1440	120 Hz	192.996	119.998	497.750	+ / -
CTA-861	*1920 x 1080	100 Hz	112.500	100.000	297.000	+ / +
	*1920 x 1080	120 Hz	135.000	120.003	297.000	+ / +
	3840 x 2160	30 Hz	67.500	30.000	297.000	- / -
	*3840 x 2160	60 Hz	135.000	60.000	594.000	- / -
	*3840 x 2160	100 Hz	225.000	100.000	1188.000	+ / +
	*3840 x 2160	120 Hz	270.000	120.000	1188.000	+ / +
	*4096 x 2160	100 Hz	225.000	100.000	1188.000	+ / +
	*4096 x 2160	120 Hz	270.000	120.000	1188.000	+ / +

- \*: The resolution may not be supported depending on the model.
- The interlaced mode is not supported.
- The set might operate abnormally if you select a non-standard video format.
- Separate and Composite modes are supported. SOG (Sync On Green) is not supported.
- Set **Apps Editable** to **ON** to change the input source (**Edit Name/Icon**) manually.
  - Admin menu > Smart Service > Apps Editable

# Supported Resolutions for Video Signals

Check the resolutions supported for video signals.

Mode	Resolution	Display format	Horizontal frequency (KHz)	Vertical frequency (Hz)	Clock frequency (MHz)	Polarity (horizontal / vertical)
CTA-861	720 (1440) x 576i	50 Hz	15.625	50.000	27.000	- / -
	720 (1440) x 480i	60 Hz	15.734	59.940	27.000	- / -
	720 x 576	50 Hz	31.250	50.000	27.000	- / -
	720 x 480	60 Hz	31.469	59.940	27.000	- / -
	1280 x 720	50 Hz	37.500	50.000	74.250	+ / +
	1280 x 720	60 Hz	45.000	60.000	74.250	+ / +
	1920 x 1080i	50 Hz	28.125	50.000	74.250	+ / +
	1920 x 1080i	60 Hz	33.750	60.000	74.250	+ / +
	1920 x 1080	24 Hz	27.000	24.000	74.250	+ / +
	1920 x 1080	25 Hz	28.125	25.000	74.250	+ / +
	1920 x 1080	30 Hz	33.750	30.000	74.250	+ / +
	1920 x 1080	50 Hz	56.250	50.000	148.500	+ / +
	*1920 x 1080	100 Hz	112.500	100.000	297.000	+ / +
	*1920 x 1080	120 Hz	135.000	120.003	297.000	+ / +
	1920 x 1080	60 Hz	67.500	60.000	148.500	+ / +
	3840 x 2160	24 Hz	54.000	24.000	297.000	+ / +
	3840 x 2160	25 Hz	56.250	25.000	297.000	+ / +
	3840 x 2160	30 Hz	67.500	30.000	297.000	+ / +
	*3840 x 2160	50 Hz	112.500	50.000	594.000	+ / +
	*3840 x 2160	60 Hz	135.000	60.000	594.000	+ / +
	*3840 x 2160	100 Hz	225.000	100.000	1188.000	+ / +
	*3840 x 2160	120 Hz	270.000	120.000	1188.000	+ / +
	4096 x 2160	24 Hz	54.000	24.000	297.000	+ / +
	4096 x 2160	25 Hz	56.250	25.000	297.000	+ / +
	4096 x 2160	30 Hz	67.500	30.000	297.000	+ / +
	*4096 x 2160	50 Hz	112.500	50.000	594.000	+ / +
	*4096 x 2160	60 Hz	135.000	60.000	594.000	+ / +
	*4096 x 2160	100 Hz	225.000	100.000	1188.000	+ / +
*4096 x 2160	120 Hz	270.000	120.000	1188.000	+ / +	
VESA CVT	2560 x 1440	60 Hz	88.787	59.951	241.500	+ / -
	2560 x 1440	120 Hz	192.996	119.998	497.750	+ / -

- \*: The resolution may not be supported depending on the model.
- Set **Apps Editable** to **ON** to change the input source (**Edit Name/Icon**) manually.
  - Admin menu > Smart Service > Apps Editable

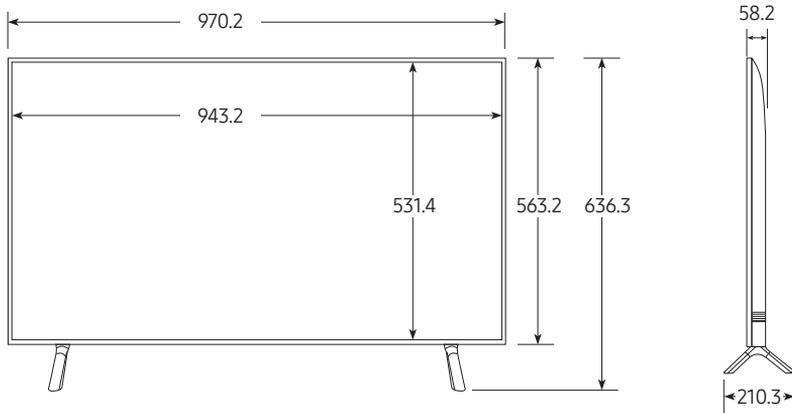
# Dimensions

## Front view / Side view

The displayed image may differ from your TV, depending on the model.

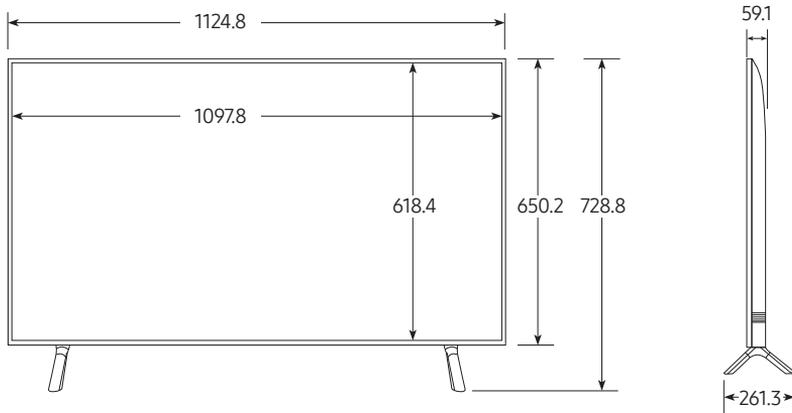
- 43"

(Unit: mm)



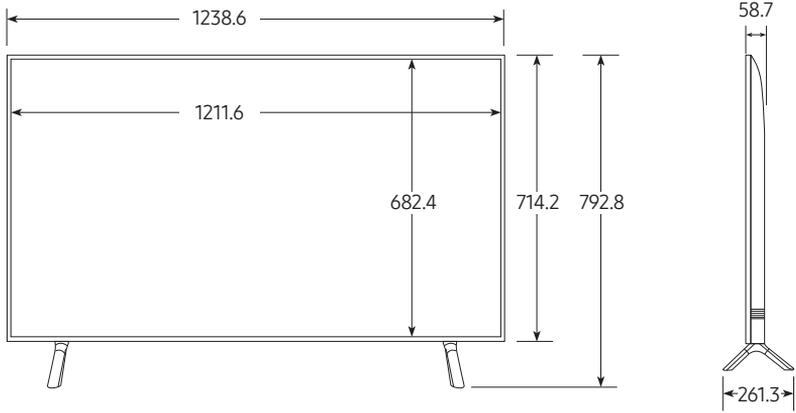
- 50"

(Unit: mm)



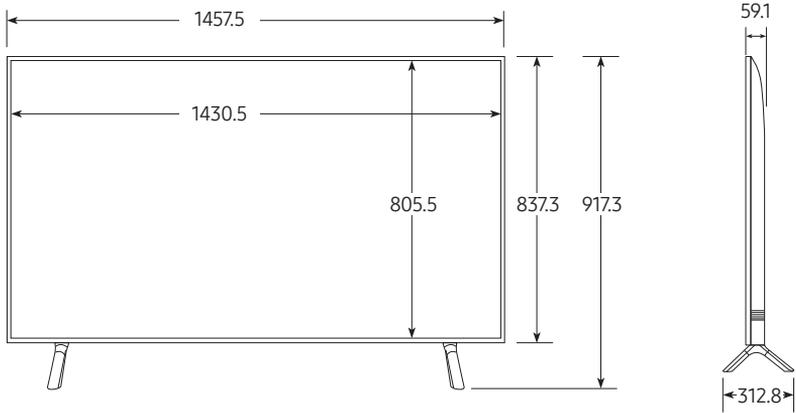
• 55"

(Unit: mm)



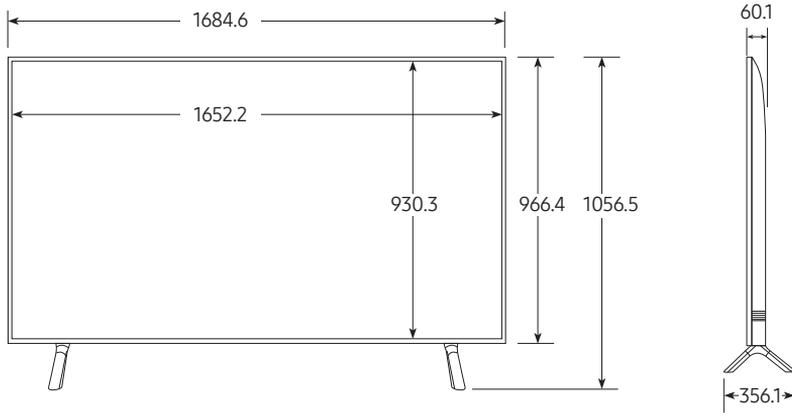
• 65"

(Unit: mm)



• 75"

(Unit: mm)



## Port panel detail / Rear view

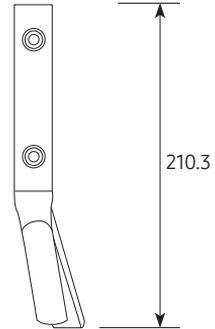
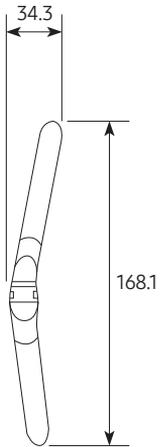
Detailed dimensions can be checked at [Displaysolutions.samsung.com](http://Displaysolutions.samsung.com).

## Base Stand detail

The displayed image may differ from your TV, depending on the model.

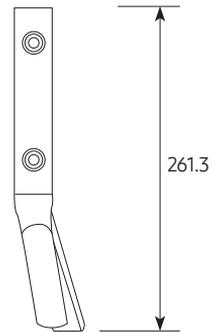
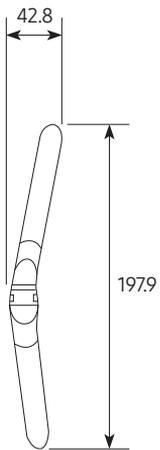
- 43"

(Unit: mm)



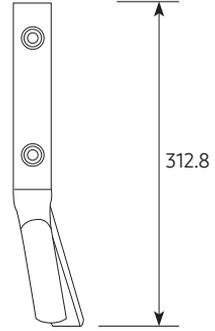
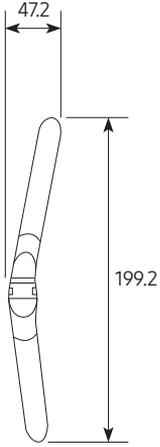
- 50"-55"

(Unit: mm)



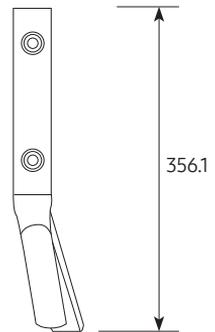
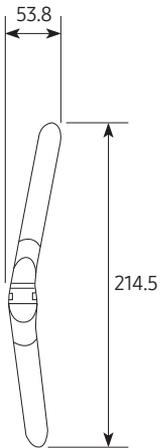
• 65"

(Unit: mm)



• 75"

(Unit: mm)



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