SAMSUNG

LED TV
Installation manual



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www.samsung.com

Model_____Serial No._____

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

Instruction

This TV is provided with interactive functionality through a set-back box (SBB/STB) connected to the TV, and with other TVs in a computer-controlled system for hotels and other hospitality businesses.

Interactive: When the TV is powered-up initially, it sends a command to identify the SBB/STB; if identified, the TV switches to ONLINE mode and full control is through the SBB/STB.

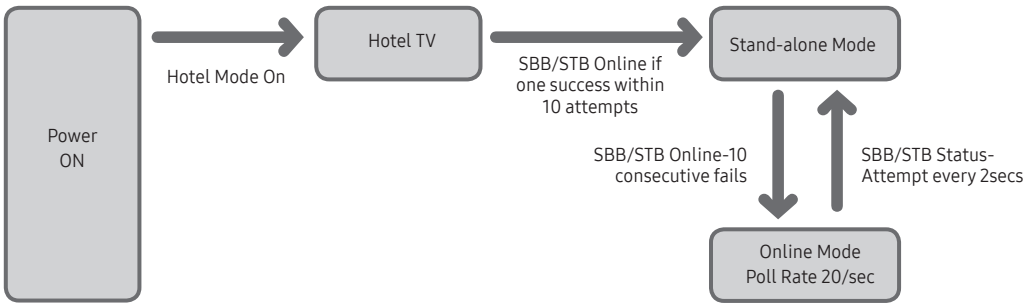
If the TV is in ONLINE mode, it stops receiving IR(Samsung remote) commands and acts according to interface protocol.

Stand-Alone: If SBB/STB is not identified, the TV should be switched to STAND-ALONE mode with restricted operation.

Operational Modes

When this TV (in Hotel mode) is operated with a SBB/STB, it is in one of two states :

- ONLINE or STAND-ALONE. In the STAND-ALONE state, the TV will act as a Hotel TV, but without active communication. This is to prevent guests from trying to cheat the system by disconnecting the SBB/STB.



To set the details for Stand-alone or interactive mode, refer to pages 21-30 (Setting the hotel option data : Stand-alone mode and Interactive mode)

- Some operations may be restricted to prevents guests from "cheating" the TV system.
- No main menu(Interactive mode) or Channel Menu, Plug & Play in Main Menu (Stand-Alone mode)
- Limited Volume and Panel key lock or unlock

Still image warning

Avoid displaying still images (like jpeg picture files) or still image element (like TV Program logo, panorama or 4:3 image format, stock or news bar at screen bottom etc.) on the screen. Constant displaying of still picture can cause uneven wear of screen phosphor, which will affect image quality. To reduce risk of this effect, please follow below recommendations:

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

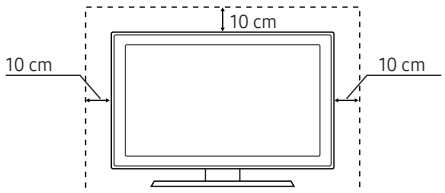
Securing the Installation Space

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

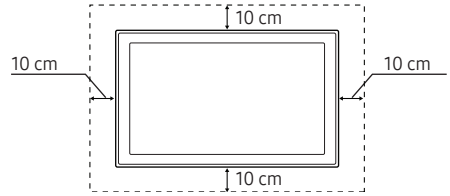
Failing to do so may result in fire or a problem with the product due to an increase in the internal temperature.

- When using a stand or wall-mount, use parts provided by Samsung Electronics only.
  - Using parts provided by another manufacturer may result in a problem with the product or injuries due to the product falling.
- The appearance may differ, depending on the product.

Installation with a stand.



Installation with a wall-mount.



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Accessories

✎ Please make sure the following items are included with your LED TV. If any items are missing, contact your dealer.

✎ The items' colour and shapes may vary depending on the model.

- Remote Control & Batteries (AAA x 2)
- Quick Setup Guide
- CI Card Adapter
- Cable Holder
- Hotel Mount Kit (32 inch TVs or larger)
- Power Cord / Data Cable
- Warranty Card / Regulatory Guide (Not available in some locations)



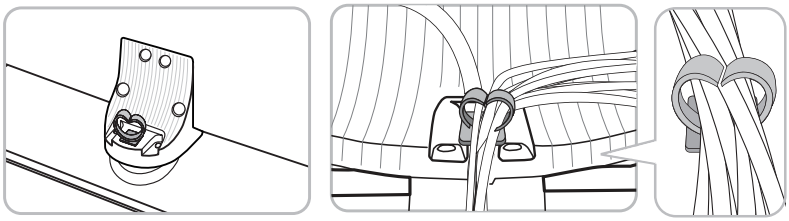
4EA

Wall mount Adapter

✎ The stand and stand screw may not be included, depending on the model.

✎ The Data Cable may not be included, depending on the SI Vendor.

Arrange the cables using the Cable Holder



✎ 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



Correct Disposal of This Product (Waste Electrical & Electronic Equipment)

(Applicable in the European Union and other European 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 batteries in this product

(Applicable in the European Union and other European countries with separate battery return systems.)

This marking on the 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.

Assembling the swivel (32 inch TVs or larger)

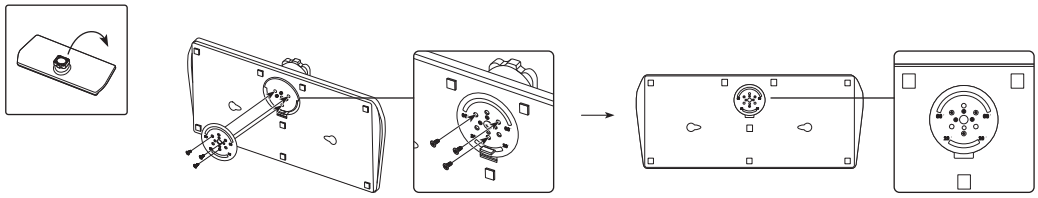
⚠ WARNING: If you configure the TV to swivel, you must attach it securely to the floor, a desk, a dresser top, etc. as described in the installation instructions.

The 32” and larger LED TVs have swivel stands. You can configure these stands so that the TVs swivel 20 degrees left and right, 60 degrees left and right, or 90 degrees left and right using the BRACKET HOLDER SWIVEL.

* The product ships with its stand's swivel angle set to 20°.

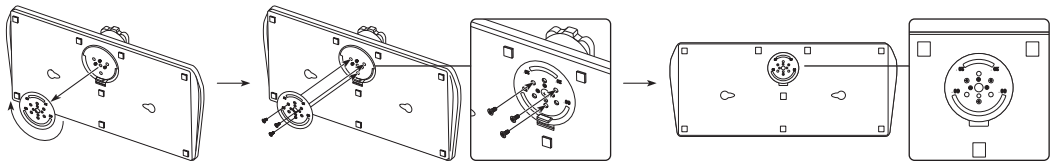
* 20° Swivel

To configure the TV so that it swivels 20° left and right, insert the prong on the bottom of the stand through the curved hole in the Bracket Holder Swivel marked 20°. Then, fix the Bracket Holder Swivel to the stand using the three supplied screws as shown below.



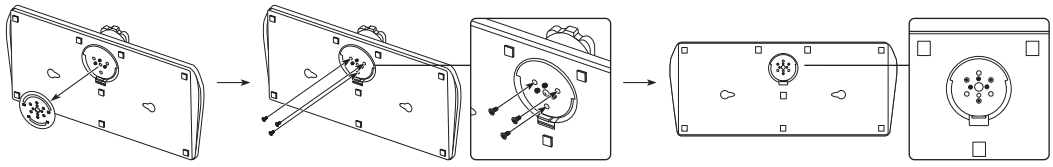
60° Swivel

To configure the TV so that it swivels 60° left and right, insert the prong on the bottom of the stand through the curved hole in the Bracket Holder Swivel marked 60°. Then, fix the Bracket Holder Swivel to the stand using the three supplied screws as shown below.



90° Swivel

To configure the TV so that it swivels 90° left and right, remove the Bracket Holder Swivel, and then screw the three supplied screws into the stand as shown below.

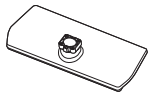


Installing the LED TV Stand

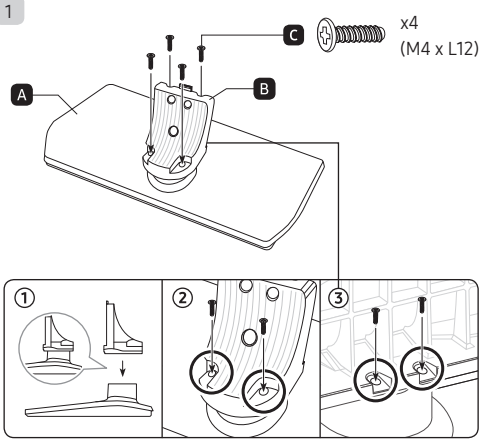
The 32” and larger LED TVs have swivel stands. You can set these stands so that the TVs swivel 20 degrees left and right or 90 degrees left and right.

Stand Components

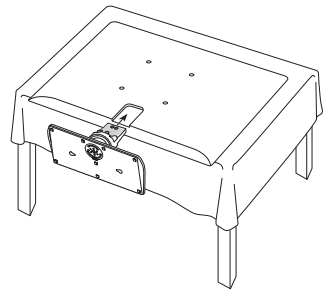
When installing the stand, use the provided components and parts.

A	B	C
	 32" 43"~55"	 32" x7 (M4 x L12) 43"~55" x8 (M4 x L12)
Stand (1 EA)	Guide Stand (1 EA)	Screws

1

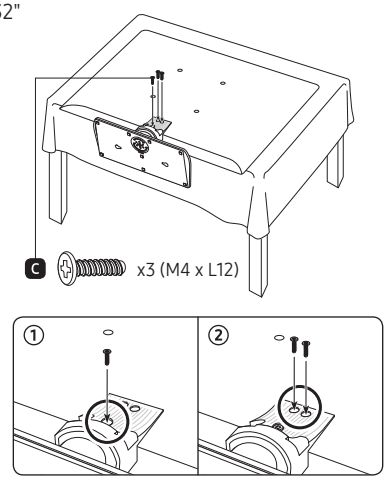


2

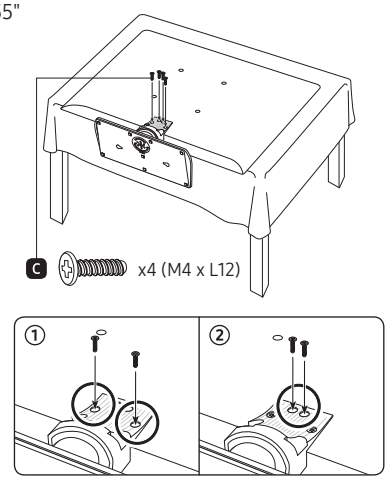


✎ Place a soft cloth over the table to protect the TV, and then place the TV on the cloth screen-side down.

3 32"



43"~55"



4

When the declination happened, try reassemble it 2 category.

✎ Make sure to assembling stand guide attached on the TV.

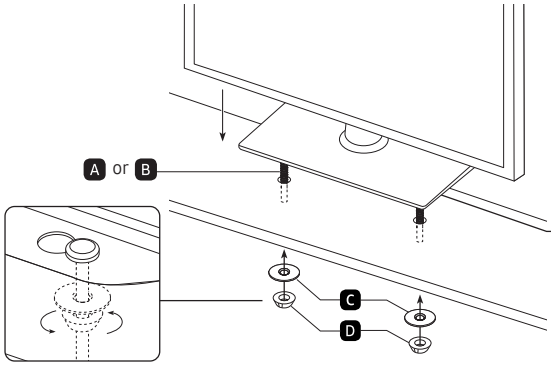


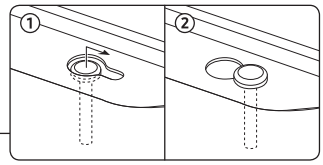
✎ NOTE

- 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.

Hotel Mount Kit

A	B	C	D
			
Short Bolt (2EA)	Long Bolt (2EA)	Washer (2EA)	Nut (2EA)

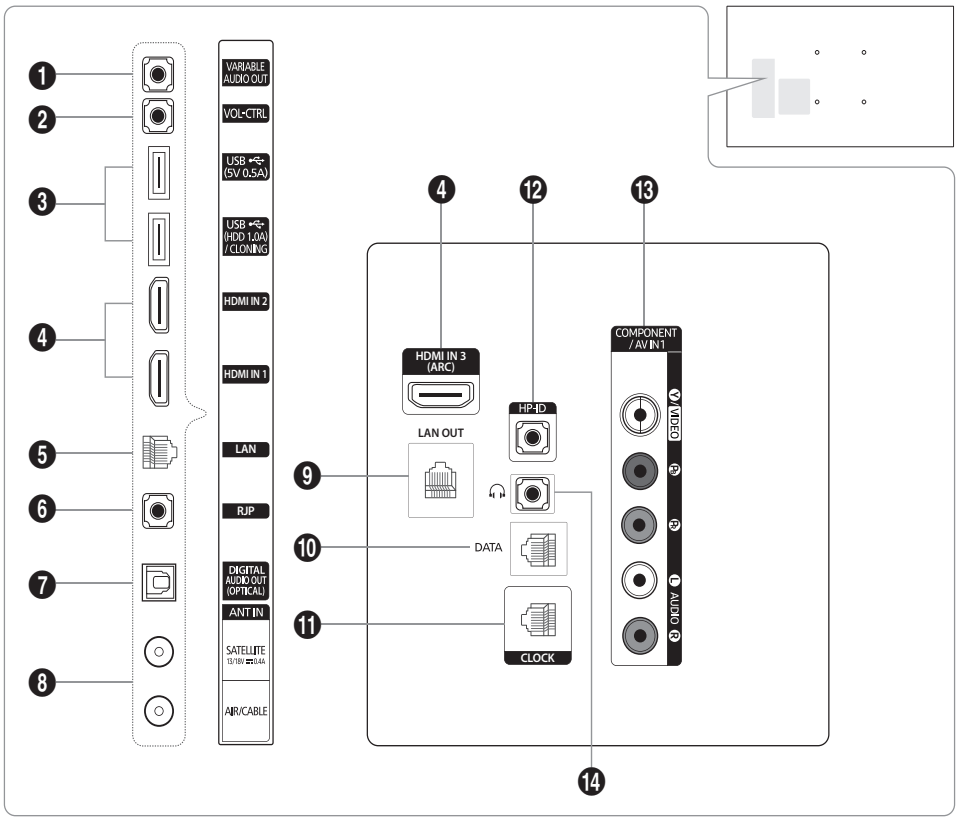




⚠ Affix the stand to a flat surface such as a dresser top, desk top, or entertainment center as shown.

⚠ WARNING: To prevent injury, you must attach this TV securely to the floor, a table, a dresser top, etc. with the Hotel Mount Kit as described in these instructions.

Viewing the Connection Panel



✎ Whenever you connect an external device to your TV, make sure that power on the unit is turned off.

✎ When connecting an external device, match the colour of the connection terminal to the cable.

❶ VARIABLE AUDIO OUT

Used for the audio output to the Bathroom speaker. Connect the Bathroom Wall Box and the Variable port (RCA).

❷ VOL-CTRL

Used to control the volume of the Bathroom speaker. Connect the Bathroom Wall Box and the VOLCTRL port.

❸ USB (5V 0.5A), USB (HDD 1.0A) / CLONING

– Connector for software upgrades and Media Play, etc.

– Service connection.

❹ HDMI IN 1 / HDMI IN 2 / HDMI IN 3 (ARC)

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

✎ No sound connection is needed for an HDMI-HDMI connection. HDMI connections carry both audio and video.

❺ LAN

Connect to a wired LAN using CAT 7 cable.

❻ RJP

This port is an RJP (Remote Jack Pack) communication port that enables connecting different devices to additional modules to improve device use and convenience.

❼ DIGITAL AUDIO OUT (OPTICAL)

Connects to a Digital Audio component.

❽ 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

❾ LAN OUT

Wired LAN connection port used to connect an external device such as a laptop to connect to the Internet. (However, the TV must be connected to the Internet via wired LAN.)

❿ DATA

- Used to support data communication between the TV and the SBB.
- Connects using RJ-12 TV type plugs.

⓫ CLOCK

Set the time after connecting the cable of the External Clock to Clock jack. You can use the External Clock Display function.

⓬ HP-ID

Connect the cable to HP-ID and Headphone Jack simultaneously and connect it to separated Headphone Box. See page 16. When connecting Headphone to Headphone Box, it works same as Headphone function.

⓭ COMPONENT / AV IN 1

- 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 jacks on A/V or Component devices.
- The COMPONENT IN jack is also used as the VIDEO 1 jack.
- Connect component video cables (not supplied) to the component jacks ("PR", "PB", "Y") on the rear of your TV and the other ends to corresponding component video out jacks on a DVD player. Match the colors on the jacks 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 jacks ("PR", "PB", "Y") on your TV.
- The PR, PB and Y jacks on your component devices (DVD) are sometimes labeled Y, B-Y and R-Y or Y, Cb and Cr.
- For AV devices, connect RCA audio cables (not supplied) to "R - AUDIO - L" on the rear of the TV set and the other ends to corresponding audio out jacks on an external device.
- When your are connecting a composite (AV) device to AV IN 1 [Y/Video], connect the video cable (Yellow) to the AV IN 1 [Y/VIDEO] jack (Green/Yellow).

⓮ HEADPHONE JACK

Headphones may be connected to the headphone jack on your TV. While the headphones are connected, the sound from the built-in speakers is disabled.

Display Modes

You can also select one of the standard resolutions listed in the Resolution column. The TV will automatically adjust to the resolution you choose.

After connecting a computer to the TV, set the screen resolution for the TV on the computer. The optimal resolution is 1920 x 1080 @ 60 Hz. If it is set to any other than in the table below, the TV may display nothing. Set the resolution properly, referring to the user guide of the computer or its graphic card.

The resolutions in the table are recommended.

✎ Optimal resolution is 1920 X 1080 @ 60 Hz.

Mode	Resolution	Horizontal Frequency (KHz)	Vertical Frequency (Hz)	Pixel Clock Frequency (MHz)	Sync Polarity (H / V)
IBM	720 x 400	31.469	70.087	28.322	-/+
MAC	640 x 480	35.000	66.667	30.240	-/-
	832 x 624	49.726	74.551	57.284	-/-
	1152 x 870	68.681	75.062	100.000	-/-
VESA DMT	640 x 480	31.469	59.940	25.175	-/-
	640 x 480	37.861	72.809	31.500	-/-
	640 x 480	37.500	75.000	31.500	-/-
	800 x 600	37.879	60.317	40.000	+/+
	800 x 600	48.077	72.188	50.000	+/+
	800 x 600	46.875	75.000	49.500	+/+
	1024 x 768	48.363	60.004	65.000	-/-
	1024 x 768	56.476	70.069	75.000	-/-
	1024 x 768	60.023	75.029	78.750	+/+
	1152 x 864	67.500	75.000	108.000	+/+
	1280 x 1024	63.981	60.020	108.000	+/+
	1280 x 1024	79.976	75.025	135.000	+/+
	1280 x 720	45.000	60.000	74.250	+/+
	1280 x 800	49.702	59.810	83.500	-/+
	1280 x 960	60.000	60.000	108.000	+/+
	1366 x 768	47.712	60.015	85.500	+/+
	1440 x 900	55.935	59.887	106.500	-/+
	1600 x 900RB	60.000	60.000	108.000	+/+
	1680 x 1050	65.290	59.954	146.250	-/+
	1920 x 1080	67.500	60.000	148.500	+/+

✎ The interlace mode is not supported.

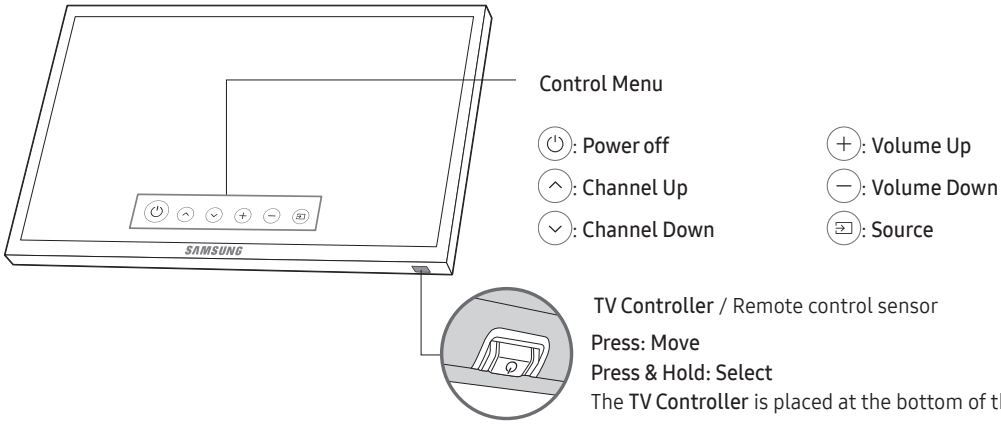
✎ The set might operate abnormally if a non-standard video format is selected.

✎ Separate and Composite modes are supported. SOG is not supported.

TV Controller

TV Controller is a multi directional button that helps navigate without using the remote control.

- ✎ Some functions which require a PIN code may not be available.
- ✎ The product colour and shape may vary, depending on the model.
- ✎ Exits the menu when pressing the controller for more than 1 second.
- ✎ The TV's Controller, a small joy stick like button on the bottom right side of the TV, lets you control the TV without the remote control.

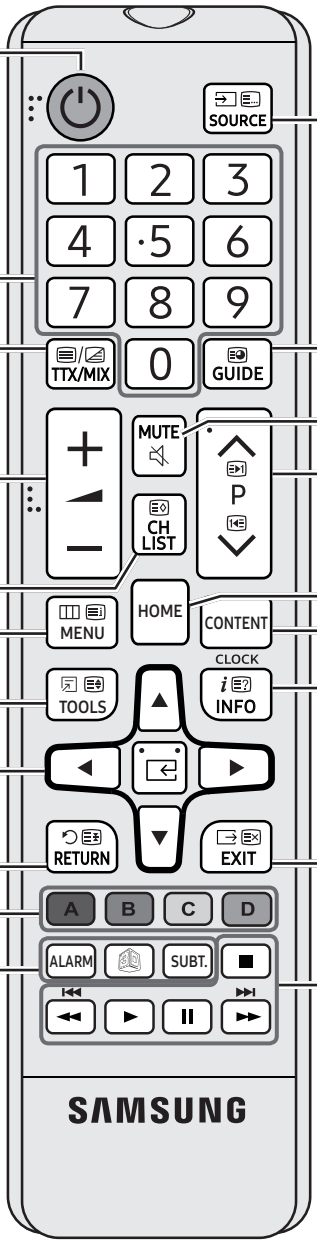


Standby mode

Do not leave your product in standby mode for long periods of time (when you are away on a holiday, for example). A small amount of electric power is still consumed even when the power button is turned off.

Viewing the Remote Control

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



Turns the TV on and off.

Display and select available video sources.

Have direct access to channels.

Alternately selects Teletext, Double or Mix.

Electronic Programme Guide (EPG) display.

Cut off the sound temporarily.

Adjust the volume.

Change channels.

Display channel list on the screen.

Switch to the HOME Screen.

Display the main on-screen menu.

View the **Contents Home**.

Quickly select frequently used functions.

Press to display information on the TV screen.

CLOCK: When you press INFO key in standby mode, TV screen displays the time.

Select on-screen menu items and change menu values.

Return to the previous menu.

Exit the menu.

Buttons used in **Channel List**, **Media Play** menu, etc.

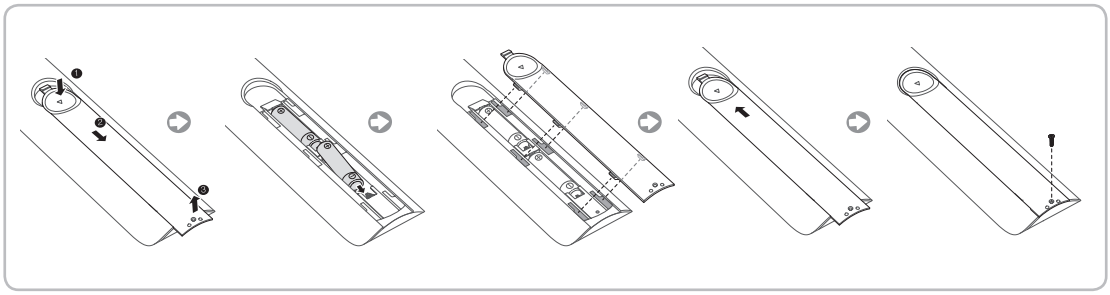
ALARM: Enter the hour you want the TV to turn on.

: Turns the 3D image on or off. (Not available)

SUBT.: Displays digital subtitles.

Use these buttons in the **Contents Home**.

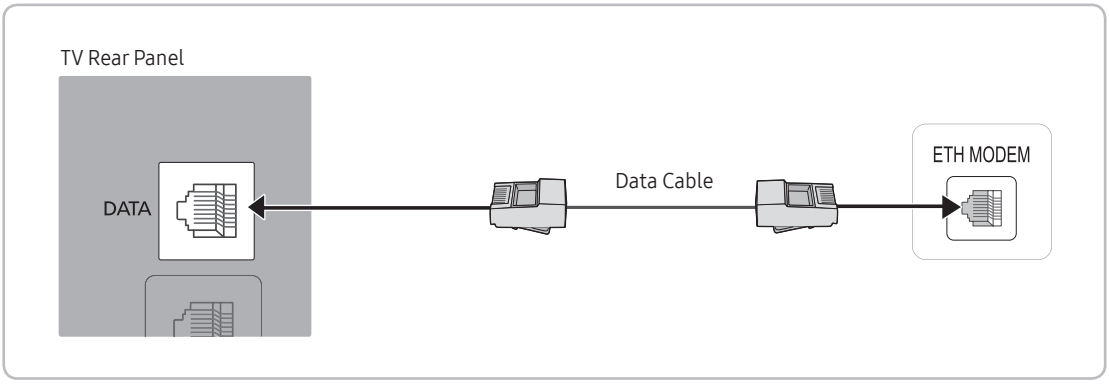
Installing batteries (Battery size: AAA)



✎ NOTE

- Use the remote control within 7m of the TV.
- Bright light may affect the performance of the remote control. Avoid using nearby special fluorescent light or neon signs.
- The colour and shape may vary depending on the model.
- Remote control button '3D' are not supported. When pressing these buttons, the TV unit does not respond.

Connecting the TV with STB (SBB)

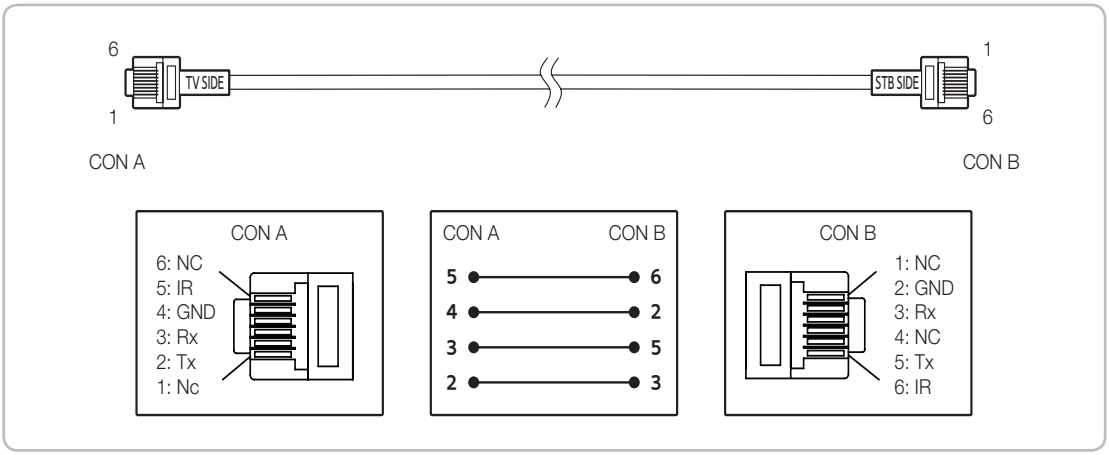


✎ The rear panel may differ depending on the model.

- Connect the DATA jack of the TV to the [ETH MODEM] jack of the STB (SBB) with the Data cable.
  ✎ Use data communication.
- 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 ㎑
  - 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 ㎳

List of Vendors and Compatible Data Cables Supplied with the TV

- Confirm that you are using the correct data cable for your vendor. Refer to the code label on the data cables.

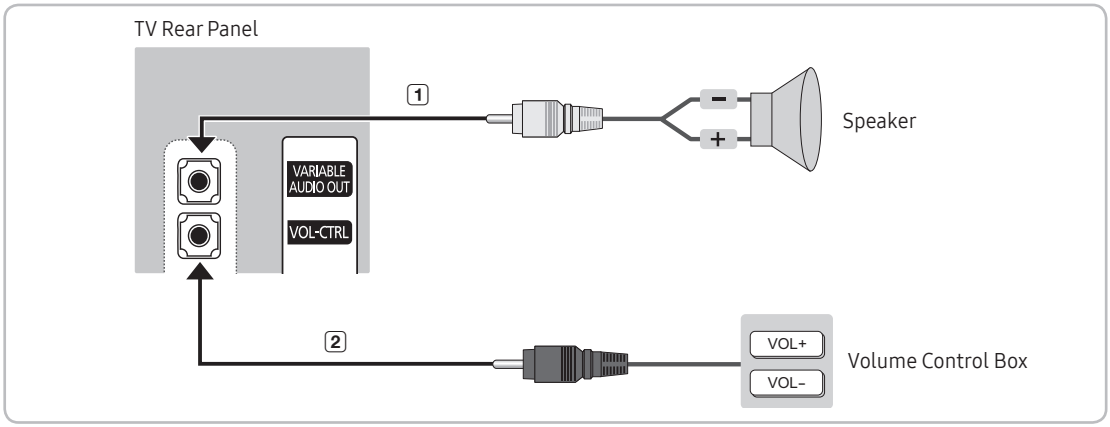


✎ Operation Specification of Data Cable(RJ12) : RS232

Connecting the Bathroom Speakers

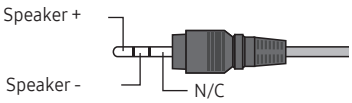
You can connect the Bathroom Speakers using the following method.

Connecting through the Variable Output (available without an external amplifier)



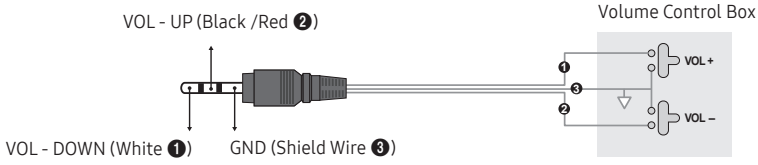
✎ The rear panel may differ depending on the model.

1. Connect the VARIABLE AUDIO OUT port of the TV to the Bathroom Wall Speakers of the hotel.



2. Connect the VOL-CTRL jack of the TV to the Volume Control Box Switch port on the Bathroom Wall of the hotel.
   ✎ The maximum speaker output is 4W, 8Ω.
   ✎ The VARIABLE AUDIO OUT port supports MONO sound out only.

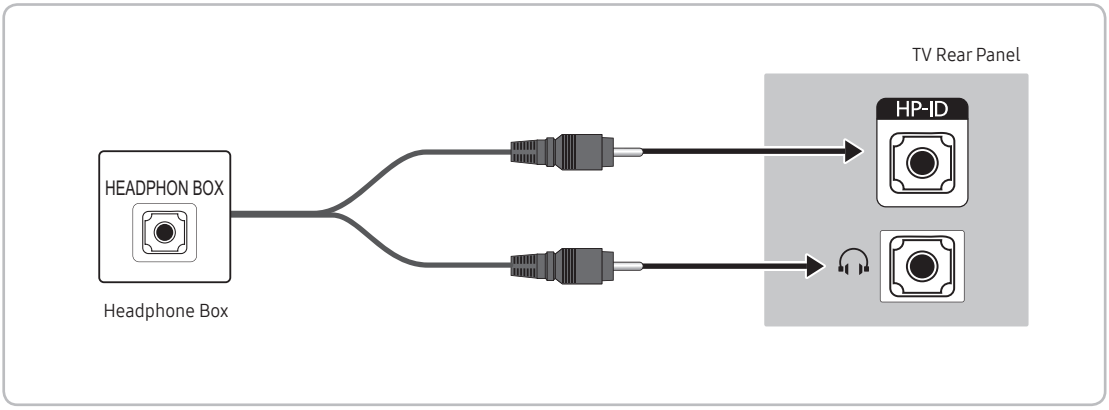
- Installing the Volume Control
  - If you configure the Volume Control Box as shown in the figure, you can control the volume of the bathroom speakers.
  - The jack that connects the Volume Control Box to the TV is a 3.5mm normal Phone jack.
  - Volume Control Box switch is a Tact switch.
    ✎ Setting the Sub AMP Mode
  - 0: Turns the Sub AMP function off (PWM off).
  - 1: Determines the Sub volume according to the main volume control. The sub volume is determined according to the Power On Volume, the Min Volume, and the Max Volume values of Hotel Mode.
  - 2: Determines the volume according to the bathroom control panel setting.
- Variable Output Port Specifications
  - **Speaker Wire**: Use speaker cable no more than 82 feet (25m) in length.



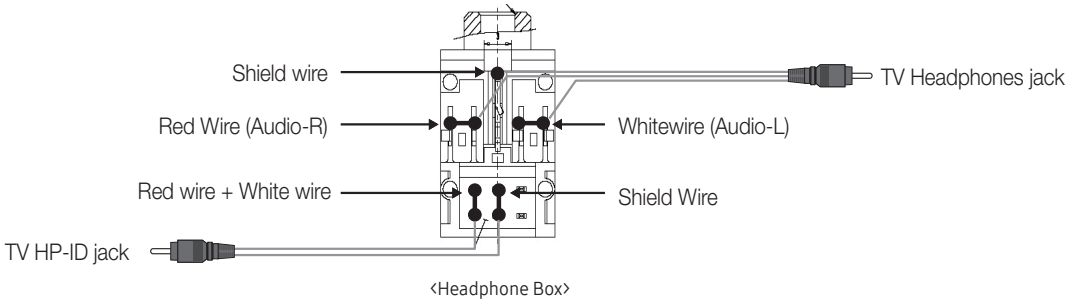
Audio Loop In

An additional Headphone Box can be installed on a bed or business desk for added convenience. The installation procedures are given below.

- Detailed Drawing of the Headphone Box.



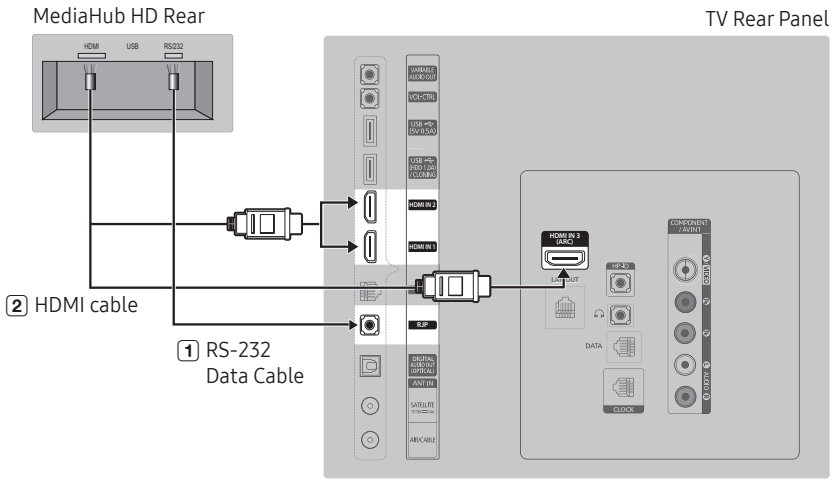
✎ The rear panel may differ depending on the model.



<Headphone Box>

Connecting the MediaHub HD

Output to any external source connected to MediaHub HD on the hotel desk.



✎ The rear panel may differ depending on the model.

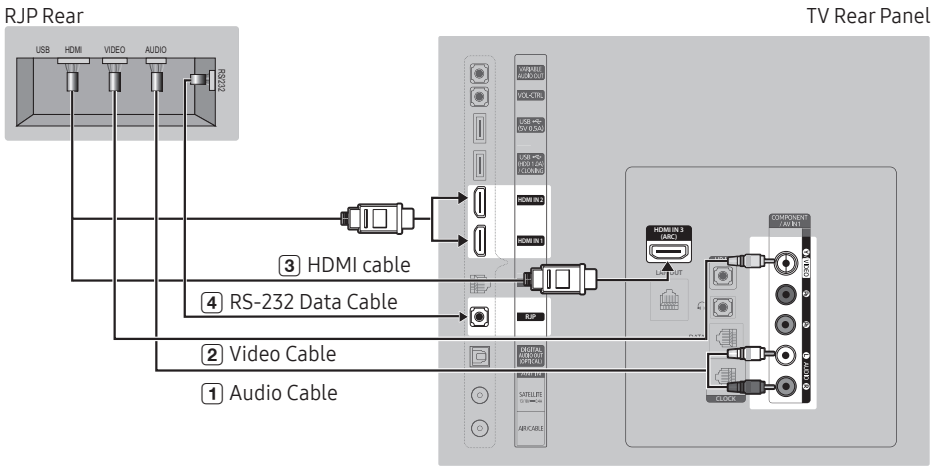
1. Connect the RJP port of the TV and the RS/232 port of the MediaHub HD.
2. Connect the HDMI IN 1, 2 or 3 port of the TV and the HDMI port of the MediaHub HD.

• MediaHub HD
  – The MediaHub HD is a hardware module that has different Audio Video inputs (A/V, Audio, PC, HDMI and USB) and corresponding outputs. The corresponding output sources connect from MediaHub to the TV. MediaHub communicates with the TV via RS232. Hot Plug & Play is a function that allows hotel guests to connect an external source to the MediaHub. MediaHub communicates with the TV by sending messages regarding Active/ Inactive sources. The TV switches to the Active external source.
  – You have to connect the HDMI of the MediaHub to the HDMI IN 3 port of the TV.
  – When the TV is on, connect the TV and the RJP within 10 seconds.

• Special features
  – PIP
  – Auto Detection

Connecting the RJP (Remote Jack Pack)

Output to any external source connected to RJP on the hotel desk.



✎ The rear panel may differ depending on the model.

1. Connect the AV IN 1 [VIDEO]/[L-AUDIO-R] port of the TV to the AUDIO port of the RJP.
2. Connect the AV IN 1 [VIDEO] port of the TV to the VIDEO port of the RJP.
3. Connect the HDMI IN 1, 2 or 3 port of the TV and the HDMI port of the RJP.
4. Connect the RJP port of the TV and the RS/232 port of the RJP.
   ✎ The RJP (Remote Jack Pack) compatible with this Samsung TV is TeleAdapt TA-7610, TA-7650 (HD) and TA-7660 (HD Plus).

- **RJP (Remote Jack Pack)**: RJP stands for Remote Jack Pack. The RJP is a hardware module that has different Audio Video inputs (A/V, Audio, PC and HDMI) and corresponding outputs. The corresponding output sources are connected from RJP to TV. The RJP communicates with the TV via RS232. Hot Plug & Play is a function that allows hotel guests to connect an external source to the RJP. The RJP communicates with the TV by sending messages regarding Active/ Inactive sources. The TV will switch to the Active external source according to the priority set by the User.
  ✎ You can select HDMI IN 1, 2 or 3 and AV IN 1 for connecting RJP.
  ✎ When the TV is on, connect the TV and the RJP within 10 seconds.

- The RJP can be returned to the factory default settings by pressing the A/V and HDMI buttons simultaneously for 10 seconds. All LEDs blink 5 times to acknowledge that this has been finished.
- The RJP will automatically turn off any LEDs after 5 minutes to avoid unnecessary light pollution in the hotel room. The LEDs that were turned off will turn on again if the guest touches any of the buttons and the 5 minute timer will restart. If the guest then touches another source button, the TV will change to the selected source and the corresponding LED will be lit.
- After an RJP Reset or a TV Power OFF/ON, it takes approx. 10 seconds to establish communications between the TV and the RJP.
- The following table shows the approximate time in seconds to switch from the TV to the input source, based on the priority.

  ✎ Scenario 1: When no inputs are connected.

Source	To Connect
AV	2 Sec
HDMI	3.9 Sec

  ✎ Scenario 2: When two or more inputs are connected and an Input source is disconnected and then reconnected.

Source	Disconnect	To Connect	Total
AV	4.5 Sec	2 Sec	6.5 Sec
HDMI	3.9 Sec	3.9 Sec	7.8 Sec

  ✎ E.g. If the RJP has all its live sources AV, PC and HDMI connected, AV is viewed as the highest priority. If the RJP is in HDMI mode, and a guest removes and reconnects the AV, the minimum time required to switch to the AV is 6.5 seconds.
- To connect audio (Ipod or Mp3), Music mode should be ON and Jack Ident detect should be OFF.
- A/V, PC and HDMI input sources are supported.

Connecting to a COMMON INTERFACE slot (Your TV viewing Card Slot)

✎ Scenario 1: When no inputs are connected.

Attaching the CI Card Adapter

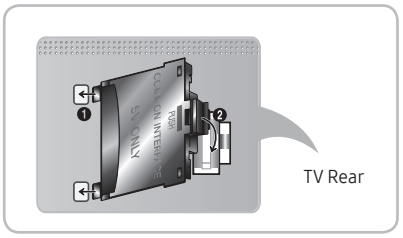
Attach the adapter as shown side.

✎ To install the CI CARD Adapter, please remove the sticker attached to the TV.

To connect the CI CARD Adapter, follow these steps.

✎ We recommend attaching the adapter before installing the wall mount, or inserting the “CI or CI+ CARD”.

1. Insert the CI CARD Adapter into the two holes on the product ❶.
   ✎ Please find two holes on the rear of the TV, beside the COMMON INTERFACE port.



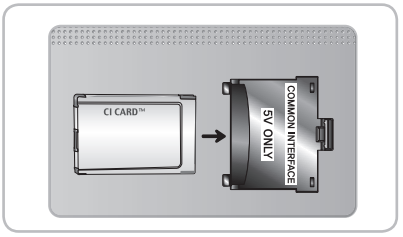
2. Connect the CI CARD Adapter into the COMMON INTERFACE port on the product ❷.
3. Insert the “CI or CI+ CARD”.

We recommend that you insert the CI card before you mount the TV on a wall. It may be difficult to insert after mounting. Insert the card after attaching the CI Card Adapter on TV. It is difficult to attach the module if you insert the card before attaching.

Using the “CI or CI+ CARD”

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

- If you don’t insert the “CI or CI+ CARD”, some channels will display the message “Scrambled Signal”.
- The pairing information containing a telephone number, the “CI or CI+ CARD” ID the Host ID and other 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.



✎ NOTE

- 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” is not supported in some countries and regions; check with your authorized dealer.
- If you have any problems, please contact a service provider.
- Insert the “CI or CI+ CARD” that supports the current aerial settings. The screen will be distorted or will not be seen.

Setting the Hotel Option Data

To Enter: Press the MUTE → 1 → 1 → 9 → ENTER↵ buttons in order. (From the Hospitality mode, the Standalone mode is set.)

To Exit from this menu : power off and turn on again.

✎ Depending on Model and Region, some menus do not exist on the TV set.

Hotel TV Function		Description
Category	Item	
Hospitality Mode	Hospitality Mode	Select Hospitality Mode. • Interactive mode: TV works with an SI STB or SBB. • Standalone mode: TV works alone, without an SI STB or SBB.
SI Vendor	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 / Smoovie / SSCP
Power On	Power On Channel	Set the Power On values that will be applied when the TV is turned. • User Defined: Lets you set Power On Channel and Channel Type manually. See Power On Channel and Channel Type below. • Last Saved: If you select this item, when the TV is turned on, it displays the channel it was displaying when it was turned off.
	Power On Channel Num	When the TV is turned on, it switches automatically to this channel.
	Power On Channel Type	• Select channel band: ATV (analog air band), DTV (digital air band), CATV (analog cable band), CDTV (digital cable band), IPTV (Ip Channels).
	Power On Volume	• User Defined: Lets you set the Power On Volume manually. See Power On Volume below. • Last Saved: When the TV is turned on, it returns to the volume that had been set when the power had been turned off.
	Power On Volume Num	The TV turns on with this Volume Level in Stand Alone Hospitality mode.
	Min Volume	The minimum Volume Level the user can set in Stand Alone Hospitality mode.
	Max Volume	The maximum Volume Level the user in Stand Alone Hospitality mode.
	Power On Source	Select the input source the TV displays when turns 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. • Last Option: Returns to its last Power state. If it was in Stand-by, it returns to Standby. If it was on, it turns on. • Power ON: When the power returns, the TV turns on. • Standby: When the power returns, the TV enters the Standby mode.

Hotel TV Function		Description
Category	Item	
Channel	Channel Setup	Gives you direct, immediate access to some of the Channel menu functions on the user Channel menu such as Auto Program, Antenna selection, etc.
	Channel Editor	The Channel Editor lets you edit the channels stored in the TV's memory. Using Channel Editor you can: • Change the channel numbers and names, manage genre and language groups and delete channels. • Apply the video mute to channels you select. The video mute blanks out the video from a channel and outputs only audio. The Channel Editor also lets you view information about each channel easily, without your having to display each channel directly.
	Channel Bank Editor	Channel Bank Editor edits channels, with 3 different Bank options. Depending on the Bank card, there are specific channels Hotel customers can enjoy. ✎ This function only available when set to Hospitality Mode: Standalone, SI Vendor: Smoovie.
	Mixed Channel Map	This Feature enables showing/browsing all antenna type (Air/Cable) channels at the same time. • ON: When ON, guests can access the complete Channel Map irrespective of the selected antenna type. The Channel list will also populate Air as well Cable type channels. • OFF: When OFF, guest can access the Channel Map corresponding to the selected antenna type [AIR/CABLE or Satellite] only. The Channel list/Editor will only show the selected antenna type channels.
	Dynamic SI	• ON: Check the DTV Programme channel number. (the TV channel editor is inaccessible) • OFF: Do not check the DTV Programme channel number. (the DTV channel editor is accessible, but additional channel Programme number update is not supported)
	Channel Rescan Message	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. • ON: When Channel Rescan Message is ON, The OSD showing that the channels are being rescanned will be displayed to Hotel Guests. • OFF: A Hotel Admin can turn the Channel Rescan Message OFF, if the rescan message OSD should not to be displayed to Hotel Guests.
	Pan Euro MHEG	• OFF: If Pan Euro MHEG is set to Off, MHEG runs according to the existing product specifications. • ON: If Pan Euro MHEG is set to On, MHEG is ON regardless of the product specifications or region.
	Mychannel	Enable or disable the My Channel feature.
	Subtitle Auto On	This function turns the function On/Off that automatically turns on the subtitles in a specific country. This function is supported for Hotel TVs that are ready to receive DVB broadcasts that is heading to Europe. This function is related to France's subtitle specification. The rest of the countries' subtitles function according to the appropriate country specifications regardless of the Subtitle Auto On function. • ON: When the Subtitle Auto On function is ON, it follows France's subtitle specifications. • OFF: When the Subtitle Auto On function is OFF, it does not follow France's subtitle specifications.
	TTX Widescreen Mode	Widen the subtitle section to fit the screen width.

Hotel TV Function		Description
Category	Item	
Menu OSD	Picture Menu Lock	Enable or disable the Picture Menu.
	Menu Display	• ON: The Main Menu is displayed. • OFF: The Main Menu is not displayed.
	Channel Menu Display	• OFF: Broadcasting submenu is disable for guest. • ON: Broadcasting subMenu is enable for guest.
	Panel Button Lock	Turning the front panel (local key) operations on/off. • Unlock: Unlocks all panel keys. • Lock: Locks all panel keys. • OnlyPower: Locks all panel keys except the Power panel key.
Clock	Clock Type	• OFF: No clock option of Factory menu shall work. Only Main menu. • Ext. Clock: When set to Ext. Clock to adjust following options. – Time Format: 12 Hour / 24 Hour – Clock Test: Failure / Success – Clock Normal Dim.: 0 ~ 4 – Clock Standby Dim.: 0 ~ 1
	Local Time	Select the way to update the clock data • Manual: The clock is set automatically from the DTV channel or manually by the user when the TV is in stand-alone mode. • TTX: Bring up the time information from the TTX stream. • Time Channel: The clock is set from the selected channel. ✎ Standalone: Manual / TTX / Time Channel ✎ Interactive: Manual / Auto / TTX / Time Channel
	Timer Type	Enable or disable the alarm function. • WakeUp : Enable the alarm function to turn on the device at the specified time. • OnOff : Disable the alarm function and enable on or off timer.
Music Mode	Music Mode AV	Allows music output from an mp3/audio player connected to an AV Input Source on the TV. When on, you can hear sound from the player through the TV whether there is a video signal or not. Also mutes the video so the TV does not display a picture when a guest is playing music. The TV's backlight, however, remains on.
	Music Mode Comp	Allows music output from an mp3/audio player connected to an Component Input Source on the TV. When on, you can hear sound from the player through the TV whether there is a video signal or not. Also mutes the video so the TV does not display a picture when a guest is playing music. The TV's backlight, however, remains on.
	Music Mode Backlight	When set to Off, the TV's backlight is turned off entirely when a guest uses the Music mode. To save energy, set to Off.

Hotel TV Function		Description
Category	Item	
Remote Jack Pack	Priority AV	Lets you set the priority of the 7610 RJP AV jack. You can choose 1, 2, with 1 being the highest and 2 the lowest. The TV automatically displays the source with the higher priority. For example, lets say AV is set to 1 and HDMI is set to 2. If a guest has attached a device to the HDMI jack, and then plugs a device into the AV jack, the TV will automatically switch to the device plugged into the AV jack (the jack with the higher priority). Note that a guest can also switch devices manually by pushing a button on the 7610 RJP.
	Priority HDMI	Lets you set the priority of the 7610 RJP HDMI jack. You can choose 1, 2, with 1 being the highest and 2 the lowest. The TV automatically displays the source with the higher priority. See above for a more detailed explanation.
	HDMI Option	Select which HDMI source of the TV is connected to the RJP jack. (HDMI1/HDMI2/HDMI3)
	HDMI Music Mode	Allows music output from an mp3/audio player connected to an HDMI Input Source. When on, you can hear sound from the player through an HDMI input of the RJP whether there is a video signal or not. (This option is only compatible with the Guest link RJP.)
External Source	USB Pop-up Screen	When USB is connected to the TV : • Default: a popup window appears. • Automatic: This enters the USB content menu automatically. • Disable: Neither the popup window nor the menu appears.
	External Source Banner	If set to On, the TV displays the External Source Banner (information) when you change the TV source to another external input, press the Info key, or turn the TV on. • ON: The External Source information is displayed on the TV screen. • OFF: The External Source information is not displayed on the TV screen.
	Auto Source	• ON: When an external input source is connected to the TV, the TV identifies the input source, and then automatically switches to that input source. • OFF: Auto Source function is Off.
	Anynet+ Return Source	Select the return TV source after stopping an Anynet+(HDMI-CEC) connection. (This fuction is especially useful for the Guestlink RJP.)
HP Management	HP Mode	• ON: When the Headphone is connect to the TV, allows you to listen to audio through the TV's speakers and the connected headphones simultaneously. But, you can only adjust the volumes of TV speaker. • OFF: When the Headphone is connect to the TV, allows you to listen to audio through the connected headphones only.
	Default HP Volume	Configure the values of headphones' volume when HP MODE is set to ON.
	Main Speaker	• ON: Plays the TV sound through the TV speaker. • OFF: Plays the TV sound through the headphones only.

Hotel TV Function		Description
Category	Item	
Bathroom Speaker	Sub AMP Mode	Determines the Sub AMP operation mode. • 0: Turns the Sub AMP function off (PWM off). • 1: Determines the Sub volume according to the main volume control. • That is, the sub volume is determined according to the Power On Volume, the Min Volume, and the Max • 2: Determines the volume according to the bathroom control panel setting.
	Sub AMP Volume	Sub AMP Volume level at power on initial condition.
Eco Solution	Power Saving Mode	Adjusts the brightness of the TV to reduce power consumption. • OFF: Turns off the energy saving function. • Low: Sets the TV to low energy saving mode. • Medium: Sets the TV to medium energy saving mode. • High: Sets the TV to high energy saving mode.
Logo/ Message	Welcome Message	Displays the welcome message for 60 seconds when the TV turns on.
	Edit Welcome Message	Edits the Welcome Message.
	Hospitality Logo	Turns the Hospitality logo feature OFF, BMP, AVI, BOTH. If not OFF, when the TV is turned on, the Logo is displayed, before the signal from the initial source, for the amount of time set in “Logo Display Time”. • The DivX codec is not supported.
	Hospitality Logo DL	Downloads the Hospitality logo. Hospitality logo file requirements: • Image or video files only. • Max file size: AVI - 50 MB / BMP - 10MB • File can only be named "samsung_image.*", "samsung_video.*"
	Logo Display Time	Hospitality Logo Display Time (3/5/7 seconds).
Cloning	Clone TV to USB	Clone the current TV options to a USB memory device.
	Clone USB to TV	Clone the saved TV options on a USB memory device to the TV.
	Setting Auto Initialize	If you set Setting Auto Initialize to On, and the TV's power is turned off and on, TV menu items are restored again to their values cloned initially.

Hotel TV Function		Description
Category	Item	
Network	Network Setup	If this item is entered into, network setup menu is displayed. The network setup menu is used for setting network like access internet. Soft AP: Using this function, you can connect the TV on your mobile devices. Set the options for connection of Wi-Fi device. • Soft AP: Turns on or off the Soft AP. When Soft AP is set to On, your mobile devices can find the TV name in Wi-Fi connection list. • Security key: Set a security key that you need to enter on other devices so they can connect to the TV. – Input the generated security key into the device you want to connect. – If network does not operate normally,check the security key again. An incorrect security key may cause a malfunction. ✎ Soft AP may not be available if it is not supported by the model. ✎ Maximum number of devices that can be connected: 4 devices. ✎ Bitrate : 10 Mbps/device. ✎ The specifications above are based on our in-house testing. Actual performance may vary depending on your wired/wireless network environment.
	Apps ID Setting	Set SmartHub Model.
	Apps Setting	Set up SmartHub.
	Service Discovery	Can use this feature to enable Service Discovery Features like DLNA.
	LAN OUT	Enable/disable LAN Out. When enabled, the TV can work as a wired router for other network devices.
	VLAN ID	Create separate VLAN groups. A 3-digit number can be entered between 1 and 255 for the VLAN ID.
	Solution VLAN ID	When VLAN is used, set a VLAN ID to be assigned to a Solution (such as SYNC, H.Browser etc.).
	Device VLAN ID	Set a VLAN ID to be assigned to external devices connected to the LAN OUT port.
	ARP Interval	Adjust the ARP (Address Resolution Protocol) Interval value. – Setting value: 2 / 5 / 10 / 30 / 60 / 120 / 180 sec (default: 60 sec)
System Manager	System Manager	Gives you direct, immediate access to **System Manager** functions such as such as **Time**, **Language**, **View Notifications**, **Device Name**. **System Manager** allow you to Adjust your TV's system and customise settings for your viewing environment.

Hotel TV Function		Description
Category	Item	
Security	Factory Lock	Disable entry to Hotel menu. • ON: The password is needed before entering factory menu. • OFF: disable this feature.
	Password Popup	Enable/disable Password Popup. If this option is set to OFF, the TV will not display the password input popup window when entering the Factory menu. If set to ON, the password input popup window appears.
	Password Input	If this option is enabled, a popup input box appears which asks for an 8-character security password. The admin must enter a password before applying or updating security preferences. After the correct password is entered, options such as Password Setting, Password Reset and Security Mode are available.
	Password Setting	User can change the password.
	Password Reset	Password is reset to "00000000".
	Security Mode	Security Mode provides password protected administrative functionality to enable or disable features of Hospitality TV, such as HDMI, USB and TTX. Use this option to turn security mode on or off. After turning on security mode, options such as "USB," "HDMI" and "TTX Security" are automatically enabled in the security sub-menu. “USB to TV cloning” and “TV Reset” will be disabled in the Hospitality Menu.
	USB	Enable/disable USB access. When disabled, access to USB media is blocked.
	HDMI	Enable/disable HDMI access. If disabled, Anynet, HDMI source, HDMI type External Channels will not be accessible to the user.
	TTX Security	If this option is disabled, the TTX feature will not work when the TTX button is pressed on the remote control.
DRM	DRM Mode	Configures DRM support. OFF: Turns off DRM support. LYNK DRM: Select to turn on S-LYNK DRM CAS support only.

Hotel TV Function		Description
Category	Item	
System	Self Diagnosis for TV	Enter Self Diagnosis Menu. • **Start Picture Test**: Use this test when you experience a problem with your TV's picture. • **Start Sound Test**: Use this test when you experience a problem with your TV's sound. • **Signal Information**: Show digital broadcasting signal information. • **Reset Smart Hub**: Reset the Smart Hub and Samsung account settings stored on your TV. • **Reset**: Restore all TV settings, excluding network settings, to the factory defaults.
	Self Diagnosis for HTV	Lets you check the state of Pro:Idiom and its communication with the SI STB or SBB. If you have any problems with the Pro:idiom encryption channel or the communications with the SI STB or SBB, use this diagnosis function. If "Pro:Idiom DTV Channel Key Loss" appears to have failed and the Pro:Idim encryption channel has failed to play content, first check the broadcasting systems related to Pro:Idiom encryption. If your broadcasting system does not have a problem, contact Samsung Service. If STB SI Vendor Setting 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 Samsung Service.
	Software Update	Lets you upgrade the TV SW with a USB memory stick.
	Sound Bar Out	If the Samsung Sound Bar device is connected to this TV, this item lets you to select where the TV sound is outputted when the TV is turned on. • ON: When the TV is turned on, the TV sound is automatically outputted in the Sound Bar device only. • OFF: When the TV is turned on, the TV sound is automatically outputted in the TV speaker device only.
	Contact Samsung	Display the web site of related Samsung service center, software version, and Mac address information.
	Standby LED	When the TV is in standby mode, you can configure the settings of external LED. • ON: The LED is on. • OFF: The LED is off.
	TV Reset	Returns all settings on the TV to their factory defaults.
Home Menu	Home Menu Display	Activate Home Menu standalone solution for user. • ON: Home Menu Enabled. • OFF: Home Menu Disabled. Home Menu feature is standalone hotel solution which provides quick access to various features such as **Alarm**, **Media Play** etc and settings such as **Picture Size**, **Language** etc.
	Home Menu Editor	Using this feature you can edit and manage TV feature to be used from Home Menu.
	Home Menu Auto Start	This option allows you to set Home Menu as first screen for user. • ON: Home menu is shown as first screen. • OFF: Do not show Home menu as first screen.

Hotel TV Function		Description
Category	Item	
REACH Solution	REACH RF Mode	You can turn on or off the REACH RF Mode. When set to On, the TV can operate with the REACH Server (Modulator) through the RF channel (DTV cable).
	REACH IP Mode	You can turn on or off the REACH IP Mode. When set to On, the TV can operate with the REACH IP Server through the IP network.
	Server URL Setting	You can enter the REACH IP Server's address. (Example: http://192.168.1.2:443)
	REACH Channel	This is a DTV Cable Channel PTC Number for receiving REACH Data when the REACH RF Mode is on. The value must be same as the value set on the REACH Server (Modulator).
	Group ID	You can set the TV's Group ID to manage TVs in groups on the REACH Server (Modulator).
	REACH Update Time	You can set the specific time to receive and update REACH Data from the REACH Server (Modulator). (Operates when the AC power cord is plugged in and the power is off.) • OFF: You can turn off the REACH Update Time function. • 1hour: 1 hour after the TV's power is off • 2hour: 2 hours after the TV's power is off • 12:00 am: 12:00 am • 2:00 am: 2:00 am everyday • 12:00 pm: 12:00 pm everyday • 2:00 pm: 2:00 pm everyday
	REACH Update Immediate	When set to On, the TV will receive and update REACH Data from the REACH Server (Modulator) right after the power is off. (Operates when the AC power cord is plugged in and the power is off.)
	REACH Config Version	Displays the TV Configuration Data version received from the REACH Server.
H.Browser Solution	H.Browser Mode	You can turn on or off the H.Browser Mode and run the H.Browser Web App.
	URL Launcher Setting	H.Browser Solution settings menu • Install Web App: Enter the H.Browser Server URL where Web App and sssp_config.xml files are located. • Uninstall: You can delete the installed Web App. • Timeout setting: Set the time out period for connecting th the URL. • Developer Mode: If you used Tizen Studio (SDK) for development, you can connect to the Host PC (which SDK is installed) to use the development tool.

Hotel TV Function		Description
Category	Item	
HMS	HMS Mode	You can turn on or off the HMS Mode. When set to On, the TV can operate with the HMS Server through the IP network.
	HMS Server URL Setting	You can enter the HMS Server's address. (Example: http://192.168.1.2:8080)
	HMS Gateway Role	When there is one TV per room, set to 'Master'. When there are more than one TVs per room, set the main TV to 'Master' and the others to 'Slave'.
	HMS HalfTicker Display	Set to On if you want to use the HalfTicker UI. When set to Off, the HalfTicker UI will not be displayed. However, all the hot keys (except for Room Control key) on the HMS remote control will work normally without the HalfTicker UI display.
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. When the TV is in Virtual Standby Mode, it consumes about 9.5 W to 17.4 W.
	Reboot Time	After the TV power is off (in Virtual Standby Mode) if there is no input from the user within the set Reboot Time, the TV will reboot and enter Virtual Standby Mode again.
Room Number	Room Number	You can set the room number of the TV's location.

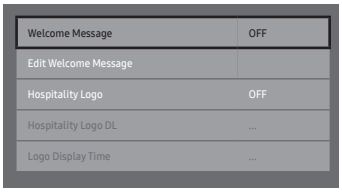
✎ Refer to the manual of each solution for details about functions and settings of the solutions such as REACH, HMS, and H.Browser.

✎ REACH (Remote Enhanced Active Control for Hospitality) is a professional, interactive remote controller that lets you deliver TV firmware updates, cloning data, channel mapping changes, REACH contents, and TICKER contents through RF/IP DTV to several hundred hospitality TVs simultaneously. The REACH functions are available only in standalone mode. The REACH Server is sold separately. Refer to the REACH server manual enclosed with the REACH server product for more operating information.

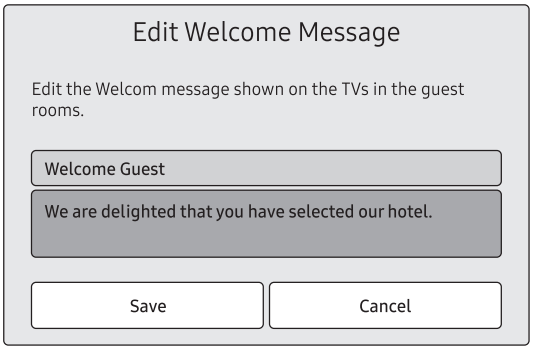
Welcome Message

The welcome message is used to display custom messages on the TV every time TV is turned on by a Guest in Hotel room.

- Welcome message settings are found in the Hotel Option Menu.
- Welcome message should be ON in order to display the message on power-on.



- You can make the Welcome Message and edit it in the Hotel Service menu.
- Welcome message can be edited by using the navigation, colour & enter key on the Remote in the "**Edit Welcome Message**" OSD.

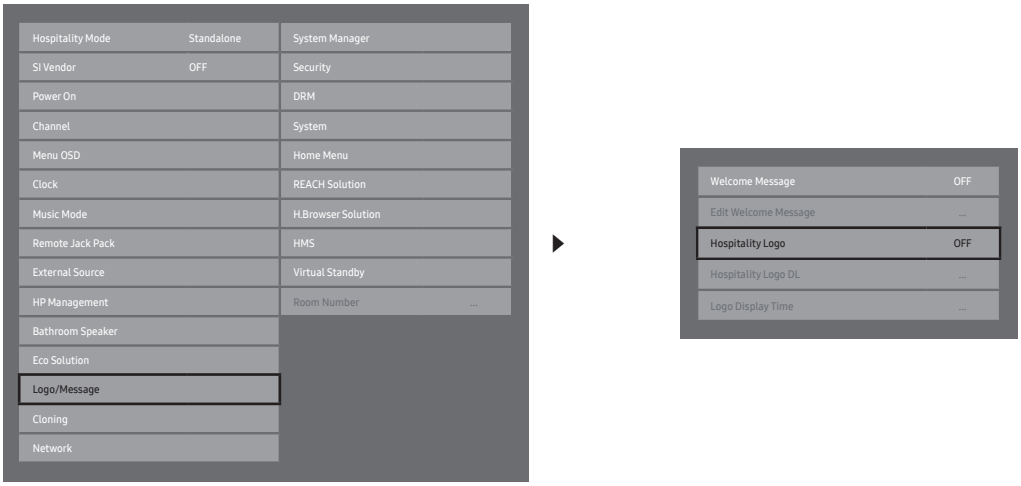


- Use the directional buttons on the remote control to enter the title and message, and select **Save**.

Hotel Logo

The Hospitality Logo function displays the Hotel's picture image when the TV is initially powered on.

- Hospitality Logo settings are the Hospitality mode menus.
- The Logo Download and Logo Display Menu items are enabled when you turn the Hospitality Logo option on.
- If there is a logo image stored in memory and the Hospitality Logo option is on, the Hospitality logo is displayed when the TV is turned on.
- The Hospitality logo is not displayed when the Hospitality option is off, even if its image has been loaded on the TV.



- Hospitality Logo
  - This option lets you choose whether the Hospitality Logo image is displayed or not.
  - Initial value is OFF.
  - Can be set to BMP, AVI, or BOTH.
  - When set to BMP, AVI, or BOTH, the Logo Download and Logo Display Time menu items become accessible.
  - The DivX codec is not supported.
- Hospitality Logo DL
  - This option lets you download the logo image to the TV's memory from a USB device.
  - A wait message appears while the image is being copied to the TV.
  - A "**Completed**" message appears when the copy operation finishes successfully.
  - The word "**Failed**" appears if the copy operation was unsuccessful.
  - No USB appears if no USB device is connected.
  - No File appears if there is no file to copy on the USB device or the file is in the wrong format must be a BMP file. If No File appears and there is a logo file on the USB device, check the file format.
- Logo File Format
  - TV Supports all file formats.
  - File name must be "samsung_image.*" and "samsung_video.*".
  - Max file size: AVI - 50 MB / BMP - 10MB
  - The TV does not change the size or scale of the image.

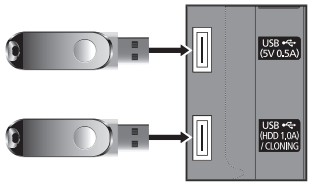
USB Cloning

USB Cloning is used to download user-configured settings (**Picture**, **Sound**, **Input**, **Channel**, **Setup**, and **Hotel Setup**) from one TV set and upload them to other TV sets.

All the user-defined settings from the TV (Master Set) can be copied to the USB device.

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

- **Clone TV to USB**: This copies stored data from the TV set to the USB device.



1. Insert a USB drive into the USB port on the rear of the TV.
2. Enter the Interactive menu by pressing buttons in order.
   - MUTE → 1 → 1 → 9 → ENTER
3. Press the ▲ or ▼ button to select "**Clone TV to USB**", then press the ENTER button.
4. When the message "**Clone TV to USB**" is displayed, press the ENTER button.
5. You can verify USB cloning behavior.
   - **In Progress**: during copying data to USB.
   - **Completed**: copy was finished successfully.
   - **Failed**: copy was not finished successfully.
   - **No USB**: USB is not connected.



✎ The clone folder will be labeled T-KTMDEUCB.

- **Clone USB to TV**: This to downloads the stored data in the USB device to TV set.



1. Insert a USB drive into the USB port on the rear of the TV.
2. Enter the Interactive menu by pressing buttons in order: MUTE → 1 → 1 → 9 → ENTER
3. Press the ▲ or ▼ button to select "**Clone USB to TV**", then press the ENTER button.
4. When the message "**Clone USB to TV**" is displayed, then press the ENTER button.
5. You can Make sure USB cloning behavior.
   - **In Progress**: copying data to TV.
   - **Completed**: copy finished successfully.
   - **Failed**: copy did not finish successfully.
   - **No USB**: USB is not connected.
   - **No File**: There is no file to copy on the USB device. If you get a No File message, check the folder on your USB device. The folder name should be T-KTMDEUCB.

✎ Activate copying from USB to TV by pressing ENTER key for 5 seconds.

✎ The Hotel TV product family does not support the **CLONE** function between models that supports the satellite / T2 operation and models that do not.

For fast, instant cloning during installation, insert a USB drive with master settings from the first TV and press the Enter key 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 Hotel Menu

✎ The menu item does not support depending on the models.

Menu Item		Sub Item	Cloned or not
Hospitality Mode		Standalone / Interactive Default : Standalone	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 / Smoovie / SSCP	Yes
Power On	Power On Channel	User Defined / Last Saved	Yes
	Power On Channel Num	***	Yes
	Power On Channel Type	ATV / DTV / CATV / CDTV / 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 / AV / COMP / Last Saved	Yes
	Power On Option	Power On / Standby / Last Option	Yes
Channel	Channel Setup	—	No
	Channel Editor	—	No
	Channel Bank Editor ✎ This function only available when set to Hospitality Mode: Standalone, SI Vendor: Smoovie.	—	No
	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

Menu Item		Sub Item	Cloned or not
Clock	Clock Type	Standalone mode: Off/Ext. Clock	Yes
	Local Time	Standalone: Manual / TTX / Time Channel Interactive: Manual / Auto / TTX / Time Channel	Yes
	Time Format	12 Hour / 24 Hour	Yes
	Clock Test	Failure / Success	Yes
	Clock Normal Dim.	0~4	Yes
	Clock Standby Dim.	0~4 /0~1	Yes
	Timer Type	WakeUp/OnOff	Yes
Music Mode	Music Mode AV	On / Off	Yes
	Music Mode Comp.	On / Off	Yes
	Music Mode Backlight	On / Off	Yes
Remote Jack Pack	Priority AV	1~2	Yes
	Priority HDMI	1~2	Yes
	HDMI Option	HDMI1 / HDMI2 / HDMI3	Yes
	HDMI Music Mode	On / Off	Yes
External Source	USB Pop-up Screen	Default / Automatic / Disable	Yes
	External Source Banner	On / Off	Yes
	Auto Source	On / Off	Yes
	Anynet+Return Source	Power On Src / Last Source / Each model source list (AV1, COMP, HDMI1...)	Yes
HP Management	HP Mode	On / Off	Yes
	Default HP Volume	0~100	Yes
	Main Speaker	On / Off	Yes
Bathroom Speaker	SubAmp Mode	0~2	Yes
	SubAmp Volume	0~32	Yes
Eco Solution	Power Saving Mode	Off / Low / Medium / High	Yes
Logo / Message	Welcome Message	On / Off	Yes
	Edit Welcome Message	—	Yes
	Hospitality Logo	Off / BMP / AVI / BOTH	Yes
	Hospitality Logo DL	—	Yes
	Logo Display Time	3 second / 5 second / 7 second	Yes
Cloning	Clone TV to USB	—	No
	Clone USB to TV	—	No
	Setting Auto Intialize	On / Off	Yes

Menu Item			Sub Item	Cloned or not
Network	Network Setup		—	No
	Apps ID Setting		—	Yes
	Apps Setting		—	No
	Service Discovery		On / Off	Yes
	LAN OUT		On / Off	Yes
	VLAN ID		On / Off	Yes
	Solution VLAN ID		—	Yes
	Device VLAN ID		—	Yes
	ARP Interval		2s / 5s / 10s / 30s / 60s / 120s / 180s	Yes
System Manager			—	No
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
	TTX Security		Enable/Disable	Yes
DRM	DRM Mode		PI Model - OFF/LYNK DRM/Proldiom/LYNK DRM, PI Non PI Model - OFF/LYNK DRM	Yes
System	Self Diagnosis for TV		—	No
	Self Diagnosis for HTV	STB SI Vendor Setting	Si Name Ok/Failure	No
		Bathroom AMP	Ok/Failure	
		RTC	Ok/Failure	
	Self Diagnosis for CM		—	No
	SW Update		-	No
	Sound Bar Out		On / Off	Yes
	Contact Samsung		—	No
	Standby LED		On/Off	Yes
	TV Reset		—	No
Home Menu	Home Menu Display		On / Off	Yes
	Home Menu Editor		—	Yes
	Home Menu Auto Start		On / Off	Yes

Menu Item		Sub Item	Cloned or not
REACH Solution	REACH RF Mode	On/Off	Yes
	REACH IP Mode	On/Off	Yes
	Server URL Setting	—	Yes
	REACH Channel	***	Yes
	REACH Update Time	OFF / 1hour / 2hour / 12:00 am / 2:00 am / 12:00 pm / 2:00 pm	Yes
	REACH Update Immediate	On/Off	Yes
	Group ID	ALL, 1 - 511	No
	REACH Config Version	—	No
HMS	HMS Mode	On/Off	Yes
	HMS Server URL Setting	—	Yes
	HMS Gateway Role	Master/Slave	Yes
	HMS HalfTicker Display	On / Off	Yes
H.Browser Solution	H.Browser Mode	On / Off	Yes
	URL Launcher Setting	—	Yes
Virtual Standby	Virtual Standby Mode	On / Off	Yes
	Reboot Time	5 / 15 / 30 / 60	
Room Number		—	No

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, Input, Channel, Setup, and Hotel Setup). 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 (initializes) 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. 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 item does not support depending on the models.

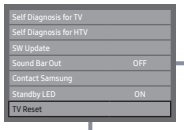
Menu Item				
Picture	Picture Mode			
	Picture Size Settings	Picture Size		
		Auto Wide		
		4:3 Screen Size		
		Fit to Screen		
		Zoom and Position		
	Expert Settings	Backlight		
		Brightness		
		Contrast		
		Sharpness		
		Color		
		Tint (G/R)		
		Apply Picture Settings		
		Digital Clean View		
		Auto Motion Plus Settings	Auto Motion Plus	
			Judder Reduction	
			LED Clear Motion	
		Contrast Enhancer		
		HDR+ Mode		
		Film Mode		
		Colour Tone		
		White Balance	2 Point	R-Gain
				G-Gain
				B-Gain
				R-Offset
				G-Offset
				B-Offset
			20 Point Settings	20 Point
				Interval
				Red
				Green
				Blue
		Gamma	HLG	
			ST.2084	
			BT.1886	
		RGB Only Mode		
		Colour Space Settings	Colour Space	
			Colour	
			Red	
			Green	
			Blue	

Menu Item				
Sound	Sound Output			
	Sound Mode			
	Expert Settings	Balance		
		Equalizer		
		HDMI Input Audio Format		
		Digital Output Audio Format		
		Audio Delay		
		Auto Volume		
		Sound Feedback		
		Welcome Sound		
Broadcasting	Aerial			
	Expert Settings	Digital Text (MHEG)		
		Teletext Language Settings	Primary Teletext Language	
			Secondary Teletext Language	
		Audio Options	Audio Language Settings	Primary Audio Language
				Secondary Audio Language
General	Network	Soft AP	Channel	
			Signal Level	
	System Manager	Time	Clock	Clock Mode
				Clock Set
				Time Zone Settings
				Time Offset
			Sleep Timer	
			Alarm	
		Language		
		Auto Protection Time		
	External Device Manager	Anynet+(HDMI-CEC)		
		Game Mode		
		HDMI Black Level		
		Keyboard Manager	Keyboard Language	
			Keyboard Type	
	Eco Solution	Energy Saving Mode		
		Motion Lighting		
		Auto Power Off		
	Accessibility	Audio Description Settings	Audio Description	
			Audio Description Volume	
		High Contrast		
		Enlarge		

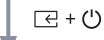
Plug & Play

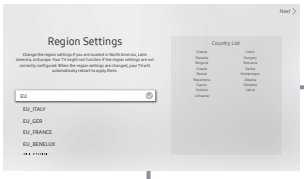
Hotel Plug & Play automatically performs Hotel mode selection, country setup, clock setup and picture mode setup.

- Hotel Plug & Play is available only one time when power is first turned on.
- This is available after first setting up the TV and transferring Clone TV data to a USB drive.
- To use next TV, you only need to exit Hotel Plug & Play, connect the USB, then Clone the USB to TV.
- Depending on model and region, some menus may not exist.



If you select **Factory Reset**, the TV resets all values to their factory defaults and then displays the Hospital Plug & Play menu. Go to the first Hotel Plug & Play screen below.



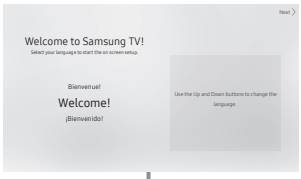


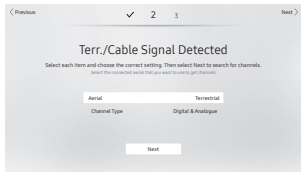
If you change the country of the Current Location.

The TV is automatically turned off and on.

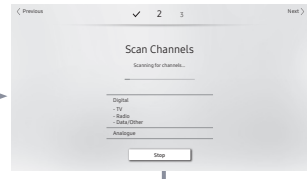






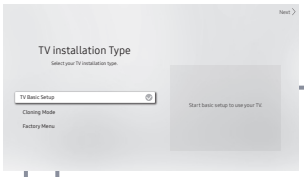




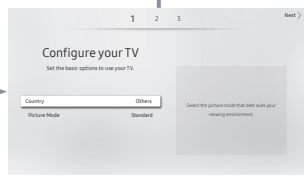


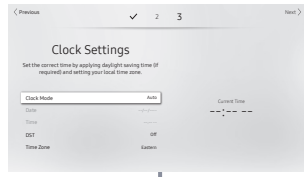
















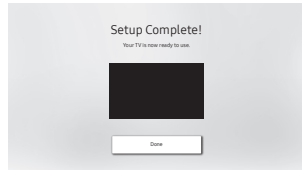
If you select **Cloning Mode**

Copy the system settings from the USB or server to the TV.



If you select **Factory Menu**

End setup and go to **Factory Menu** directly.







Press POWER button to exit.

Hotel Option Menu appears.

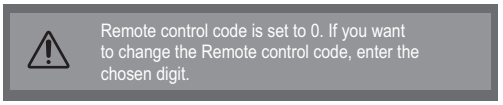
- Region Settings OSD
  - Initially highlighted: **EU**
  - If you press the right directional button after selecting Change, you can change the country.
  - If the country is changed, the TV automatically turns off and on.
  - If you select the incorrect country, execute TV Reset again after entering the System section of the Hotel Menu.
  - Before select country, refer to the country list information on the right.
- Welcome to Samsung TV! OSD
  - Initially highlighted: **Welcome (English)**
  - If you press the right directional button, the "**TV Installation Type**" OSD appears
- TV Installation Type OSD
  - Initially highlighted: **TV Basic Setup**
  - If you press the right directional button, the "**Configure your TV**" OSD appears
- Configure your TV OSD
  - Initially highlighted: **Others**
  - Select your **Country** and **Picture Mode**.
  - The country information for the TV settings may differ from the country list information in "**Region Settings OSD**".
- Terr./Cable Signal Detected OSD
  - Then select the connected aerial that you want to use to get channels.
  - After Channel sanning is completed, select **Next**.
  - When the RF cable is not connected, the screen is skipped.
- Set Clock Mode, DST (Daylight saving time), and Time Zone OSD
  - Initially highlighted: **Clock Mode** : **Auto**, **DST** : **Off**, **Time Zone** : **Eastern**
  - If the TV will be tuned to digital broadcast channels, and these channels transmit date and time information, set the **Clock Mode** to **Auto**. The TV will set the date and time automatically.
  - If the TV will not be tuned to digital broadcast channels, set the **Clock Mode** to **Manual**, and then set the date and time on the TV manually.
  - Set **DST On** or **Off** to apply or not apply daylight saving time to the TV.
  - Select your time zone on the map that appears.

Multi Code Remocon

Multi Code Remocon is a special transmitter which is designed to control each TV with one remote.
This is useful where there is more than one TV in a location, such as in a hospital. The set ID number is displayed in the source osd. It is possible to support up to 9 different remote key transmissions for multiple codes.
Each TV has an initial code of "0".

- The ID code can be set and reset in Analogue TV mode or PC mode. (not available in TTX channel or DTV channel.
- ID code can be from 0 to 9.
- Press the MUTE button and the RETURN button simultaneously for more than 7 seconds and then select the number button to set the code.
- Set ID OSD appears.
- The following words appear: “Remote control code is set to X. If you want to change the Remote control code, enter the chosen digit.” X is the digit number.

  ✎ This OSD displays until Exit is pressed.



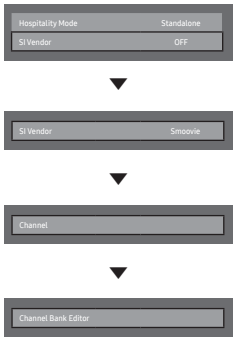
- For example, TV and Remote will be set to ID code #1 if the user presses #1.
- The following words appear: “Remote control code is changed to 1” At this point, the TV can be controlled only by the remote with the same ID code as the TV.
- TV, the following words will be displayed. “ TV ID x”(x is the TV’s ID)
- To reset the ID code, press the MUTE button and the EXIT button simultaneously for more than 7 seconds. When you stop pressing the buttons, the ID code for both the TV and Remote are reset to “0”. “Remote control code is set to 0.” appears.

Channel Bank Editor (Smovie TV Only)

Channel Bank Editor edits channels, with 3 different Bank Options.
Depending on the Bank card, there are specific channels Hotel customers can enjoy.

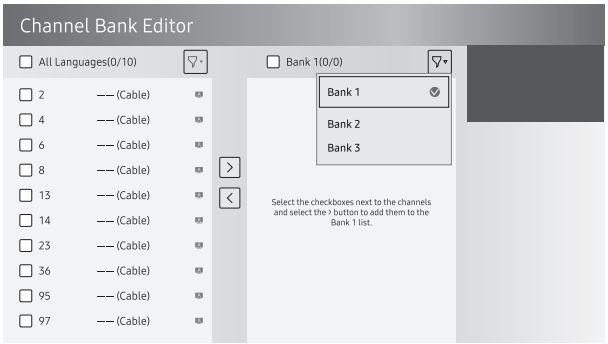
Setting the Channel Bank Editor under Stand-alone Mode

1. Enter the Hotel Standalone menu by "MUTE → 1 → 1 → 9 → ENTER↵"
2. Please select SI vendor : "**Smoovie**"
3. find the new menu option, "**Channel Bank Editor**"
4. Enter the "**Channel Bank Editor**"



<Depending on model and region, some menu items may not exist>

5. Edit the channel bank like below example.
   a. BANK1 (Free channel): Select the channel that will be used when remote doesn't have any card.
   b. BANK2 (Family Card - Green): Select the channel that will be used when remote has a GREEN CARD.
   c. BANK3 (Adult Card - Red): Select the channel that will be used when remote has a RED CARD.

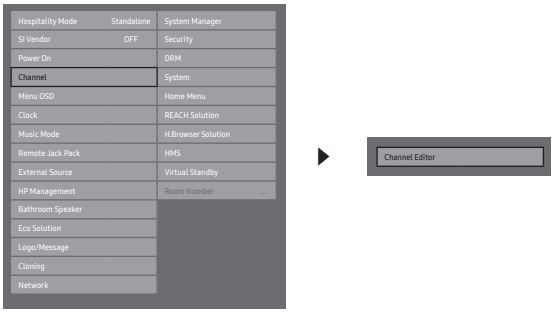


References of using SMOOVIE Remote Controller

1. If you select SMOOVIE as the SI Vendor, you should use the SMOOVIE Remote Controller.
2. With the Numeric keys of the remote controller, users can select only the BANK1 channel.
   To change the channel using the Green or Red Card, please use channel up/down keys.
3. For the Channel guide or the Channel list, users can see only BANK1 channel list.

Channel Editor

Channel Editor edits channel number a and name.
Use Channel Editor to sort the channels as user-desired channel numbers.

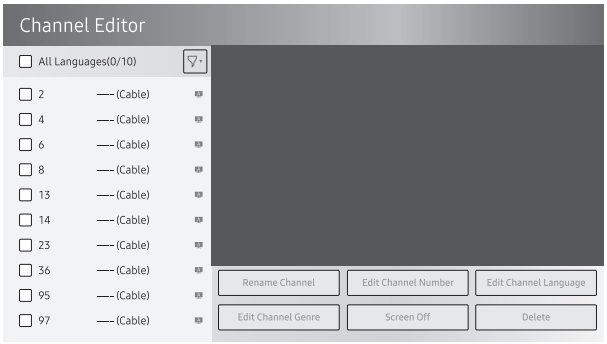


‹Depending on model and region, some menu items may not exist›

Simple Steps for Editor under Stand-alone Mode

Step	Broad Outline
1	Operate 'Channel Auto Store' in Hotel Option Menu
2	Enter 'Channel Editor' in Hotel Option Menu
3	Compile a table related to the final channel lists you want to have
4	Rearrange channels with the TOOLS Button based on the table you compiled
5	Press the EXIT or RETURN Button to exit.
‹please refer to the following details›	

The picture below shows a sample **Channel Editor** screen.



- A Indicates an analog channel.
- Channels without an A are digital channels.

  ✎ If Dynamic SI in the Hospitality Option Menu is On, Channel Editor will display no digital channels. You must set Dynamic SI to Off before you can edit digital channels in Channel Editor.

Smovie On sequence

Step	Smovie TV used (Air / Cable)			
	Mixed Channel Map On (Air and Cable both used)		Only Air or Cable used	Only Air or Cable used
	If the tv starts with Hotel P&P	If P&P already done	If the tv starts with Hotel P&P	If P&P already done
1	Do the P&P, except channel store	Enter Hotel menu	Do the P&P all (Air or Cable auto tune)	Enter Hotel menu
2	After P&P TV shows hotel menu	Setup Mixed Channel Map On	After P&P TV will show hotel menu	Select channel type - ATV or ADTV for Air - CATV or CDTV for cable
3	Setup Mixed Channel Map On	TV power off & on	Select channel type - ATV or ADTV for Air - CATV or CDTV for cable	Select smoovie TV in Hotel menu
4	Make TV power off & on	Enter Hotel menu	Select smoovie TV in Hotel menu	Select Channel Setup
5	Enter Hotel menu	Select smoovie TV in Hotel menu	Select Channel Setup (can be skipped)	Select "Air" or "Cable" to auto tune
6	Select smoovie TV in Hotel menu	Select Channel Setup	Select "Air" or "Cable" to auto tune (can be skipped)	setup Channel Bank Editor
7	Select Channel Setup	Select "Air + Cable" to auto tune	Setup Channel Bank Editor	After power off & on, user can use TV
8	Select "Air + Cable" to auto tune	Setup Channel Bank Editor	After power off & on, user can use TV	
9	Setup Channel Bank Editor	After power off & on, user can use TV		
10	After power off & on, user can use TV			

Step	Smovie TV used(Satellite)			
	Mixed Channel Map On (Satellite and Air or Cable both usedused)		Only Satellite used	
	If the tv starts with Hotel P&P	If P&P already done	If the tv starts with Hotel P&P	If P&P already done
1	Do the P&P except channel store	Enter Hotel menu	Do P&P all: Air or Cable auto tune)	Enter Hotel menu
2	After P&P TV will show hotel menu	Setup Mixed Channel Map On	after P&P TV shows hotel menu	Select channel type - ATV or ADTV for Air - CATV or CDTV for cable
3	Setup Mixed Channel Map On	Make TV power off & on	Select channel type - ATV or ADTV for Air - CATV or CDTV for cable	Select smoovie TV in Hotel menu
4	Make TV power off & on	Enter Hotel menu	Select smoovie TV in Hotel menu	Select Channel Setup
5	Enter Hotel menu	Select smoovie TV in Hotel menu	Select Channel Setup (can be skipped)	Select Satellite to auto tune
6	Select smoovie TV in Hotel menu	Select Channel Setup	Select Satellite to auto tune (can be skipped)	Setup Channel Bank Editor
7	Select Channel Setup	Select Satellite to auto tune	Setup Channel Bank Editor	After power off & on, user can use TV
8	Select Satellite to auto tune	Setup Channel Bank Editor	After power off & on, user can use TV	
9	Setup Channel Bank Editor	After power off & on, user can use TV		
10	After power off & on, user can use TV			

Channel List

You can view channel information, **All**, **TV**, **Radio**, **Data/Other**, **Analogue** or **Favourites 1** - **Favourites 5**.

✎ When you press the CH.LIST button on the remote control, **Channel List** screen displays immediately.

- **All**: Shows all currently available channels.
- **TV**: Shows all currently available TV channels.
- **Radio**: Shows all currently available radio channels.
- **Data/Other**: Shows all currently available MHP or other channels.
- **Analogue**: Shows all currently available analogue channels.
- **Favourites 1** - **Favourites 5**: Shows all favourite channels.
  - ✎ If you want to view added favourite channels press the CH.LIST button and use the ◀ or ▶ button to move between **Favourites 1** - **Favourites 5**.
  - ✎ Using the control buttons with the **Channel List**.
    - (**Tools**): Displays the option menu.
    - ◀▶ (**Channel**): Move to the **All**, **TV**, **Radio**, **Data/Other**, **Analogue** or **Favourites 1** - **Favourites 5**.
    - When you select the **Programme View** in (**Tools**) menu, you can move to other channels using ◀ or ▶ button.
    - (**Watch** / **Information**): Watches the channel you selected. / Displays details of the selected programme.
    - ▲▼ (**Page**): Move to the next or previous page.

How to use Schedule Viewing in Channel List

(digital channels only)
When you set the **Schedule Viewing** in **Channel List**, you can only set the programme in **Programme View**.

1. Press the CH.LIST button, then select a desired digital channel.
2. Press the TOOLS button, and then select **Programme View**. The programme list for that channel appears.
3. Press the ▲ / ▼ buttons to select the desired programme, then press the ENTER↵ (**Information**) or INFO button.
4. Select **Schedule Viewing**, then press the ENTER↵ button when done.

✎ If you want to cancel **Schedule Viewing**, follow steps 1 through 3. Select **Cancel schedule**.

Using Option Menu TOOLS

Set each channel using the **Channel List** menu options (**Programme View**, **Edit Favourites**, **Lock/Unlock**, **Edit Channel Name**, **Edit Channel Number**, **Delete**, **Information**, **Sort**, **Edit Mode**).
Option menu items may differ depending on the channel status.

1. Select a channel and press the TOOLS button.
2. Select a function and change its settings.

- **Programme View**: Displays the programme when a digital channel is selected.
- **Edit Favourites**: Set channels you watch frequently as favourites. Add or delete the selected channel in **Favourites 1** - **Favourites 5**.

1. Select the **Edit Favourites**, then press the ENTER↵ button.
2. Press the ENTER↵ button to select **Favourites 1** - **Favourites 5**, then press the **OK** button.
   ✎ One favourite channel can be added to several favourites among **Favourites 1** - **Favourites 5**.

- **Lock/Unlock**: Lock a channel so that the channel cannot be selected and viewed.
  ✎ This function is available only when the **Channel Lock** is set to **On**.
  ✎ The PIN input screen appears. Enter your 4-digit PIN. Change the PIN using the **Change PIN** option.
- **Edit Channel Name** (analogue channels only): Assign your own channel name.
- **Edit Channel Number** (digital channels only): Edit the number by pressing the number buttons.
  ✎ Some areas may not be able to support **Edit Channel Name** and **Edit Channel Number**.
- **Delete**: You can delete a channel to display the channels you want.
- **Information**: Displays details of the selected programme.
- **Sort**: Changes the list ordered by channel number or channel name.
- **Edit Mode**: Select desired channels and edit them.

Using Option Menu TOOLS

Set each channel using the menu options (**Edit Favourites**, **Lock/Unlock**, **Delete**, **Deselect**, **Select All**).

1. Press the TOOLS button in **Channel List** screen, then select the **Edit Mode**. A check box appears to the left of the channel.
2. Press the ▲/▼ buttons to select the desired channel, then press the ENTER↵ button. The (✓) mark indicates the channel you've selected.
   - ✎ You can select more than one channel.
   - ✎ Press the ENTER↵ again to deselect the channel.
3. Press the TOOLS button, then select a function and change its settings.

- **Edit Favourites**: Set the selected channels you watch frequently as favourites.
  - ✎ The **Edit Favourites** screen has five groups (**Favourites 1**, **Favourites 2**, etc.). You can add a favourite channel to any one of the groups. Press the ▲/▼ buttons to select a group.
- **Lock/Unlock**: Lock a channel so that the channel cannot be selected and viewed.
  - ✎ This function is available only when the **Channel Lock** is set to **On**.
  - ✎ The PIN input screen appears. Enter your 4-digit PIN. Change the PIN using the **Change PIN** option.
- **Delete**: You can delete a channel to display the channels you want.
- **Deselect**: Deselect the selected channels.
- **Select All**: Select all the channels in the channel list.

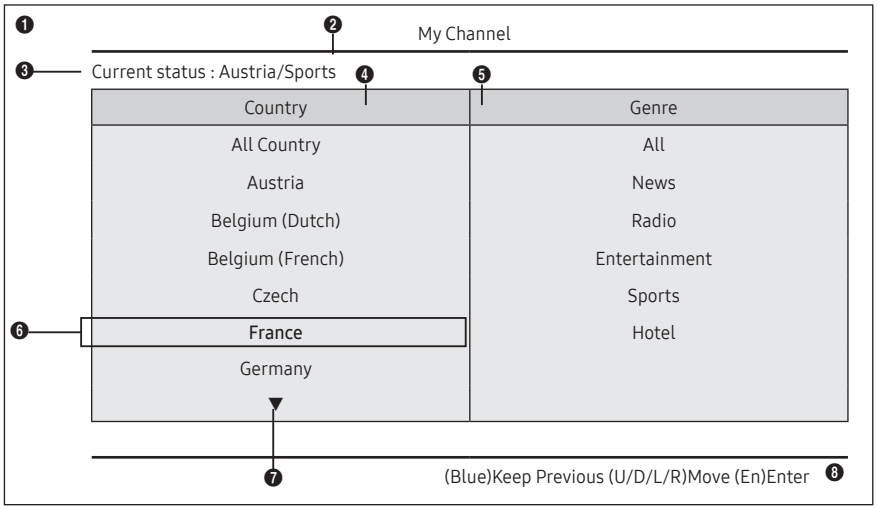
My Channel

Determines the country and genre for the channels provided by the hotel, and if the user selects a country and genre, shows the corresponding channels.

- You must select the country first, or you can not set a genre.
- If you select the genre without adding any channels, the channel list displays all of the available channels.
- My Channel works in Standalone mode only.
- SI Vendor in Standalone mode: This does not work if Smoovie is selected.
- This is in the Hotel Options in Hotel Menu › Service Mode and can be turned on or off.
- The option only works when it is set to on.

Channel Composition [Genre Mode]

Standard	Category	Ch. Mode	Antenna Mode Activation		Description
			Air/Cable	Satellite	
Hotel	Genre	All (Default)	O	O	Provide genre channel mode by each country that master has managed in factory mode.
		News	O	O	
		Radio	O	O	
		Entertainment	O	O	
		Sport	O	O	
		Hotel	O	O	



* For the number of items to be displayed in the list, refer to the design document.

Key Guide

Button	Action	Nav. Help
BLUE	Returns to the screen. (Genre setup: Last Country & Genre)	Keep Previous
Select	Selects an item.	Select
Ch. Up/Down	Move the highlight by page.	(No Guide)
UP/DOWN	Navigates the each country, genre list. (in a circular manner.)	Move
RIGHT	Selects the highlighted item, and then move the highlight to Genre section.	
RETURN	Returns to the screen. (Genre setup: Last Country & Genre)	(No Guide)
EXIT	Returns to the screen. (Genre setup: Last Country & Genre)	(No Guide)

✎ NOTE

- This section describes the layout of the Front UI that appears when the TV is turned on. (Factory Mode > Genre Mode: Enable)
- The genre is a sub-list for each country.
- The broadcast screen that was being displayed the last memorial channel.

– If user want to keep the previous country & genre channel map, press the 'BLUE', RETURN, and EXIT remote-control key to close the Front UI.

✎ ETC.

- Default Highlight : Last Memory items (Country, Genre)
- Timeout (60 sec)

Elements

No	Name	Description
1	Background Screen	Displays the last memorized channel that appears when TV is turned on.
2	Function Title	This is name of the function.
3	Current Status	Display current settings the Country/Genre.
4	Country Items	The item for the country list is displayed. Displays the last selected country.
5	Genre Items	The item for the genre list is displayed. Displays available genre items by each country that master managed in factory mode. (always provide 'All' item) Displays the last selected genre.
6	Highlight	If the item title is too long to be displayed within the area, Auto Text Sliding works.
7	Indicator	This is displayed when there is a previous or next page.
8	Nav. Help	The key guide is right-aligned.

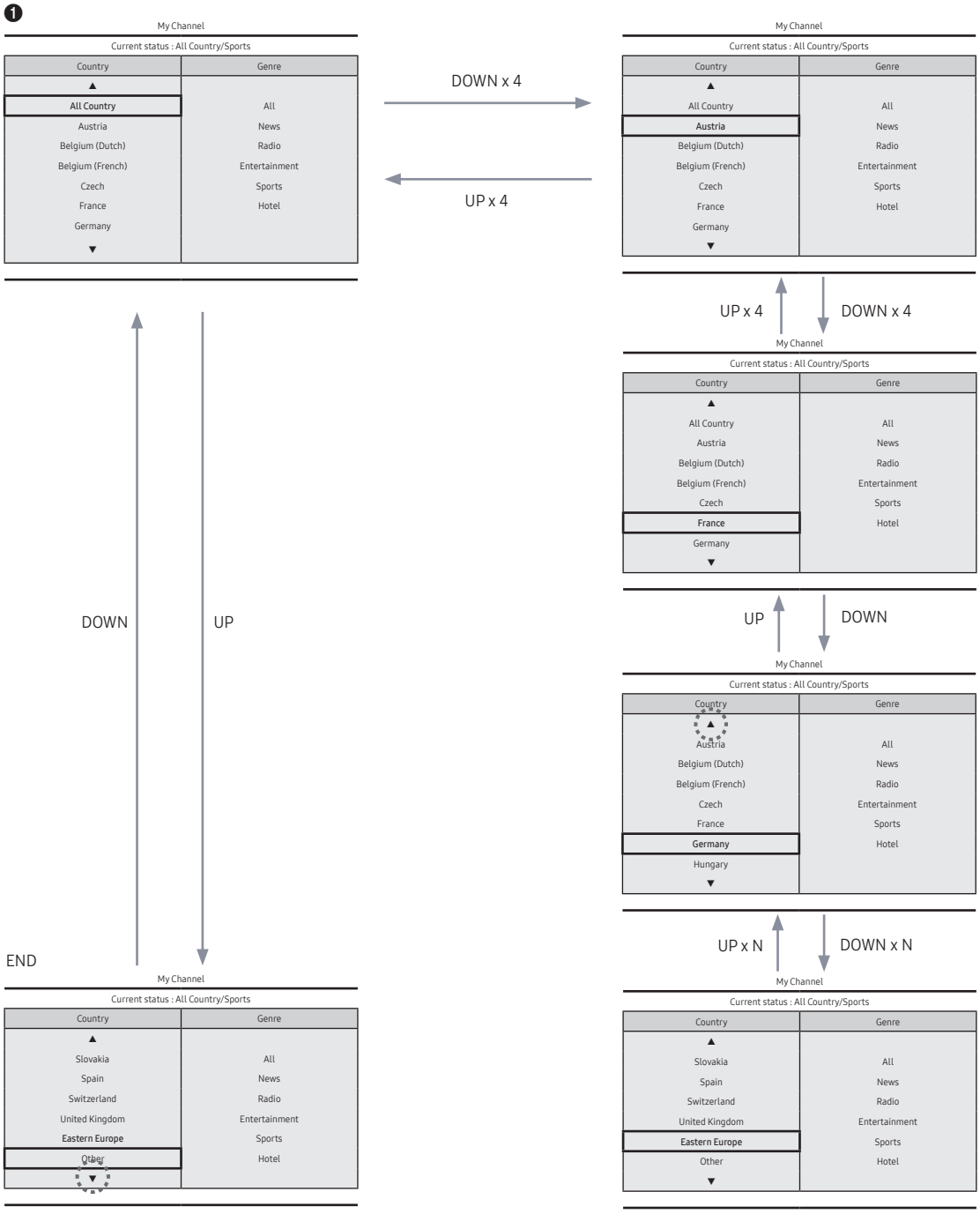
Highlight Interaction [Country Items]

- This page is only to indicate possible interactions. It may not be exactly identical to actual screens.

✎ NOTE

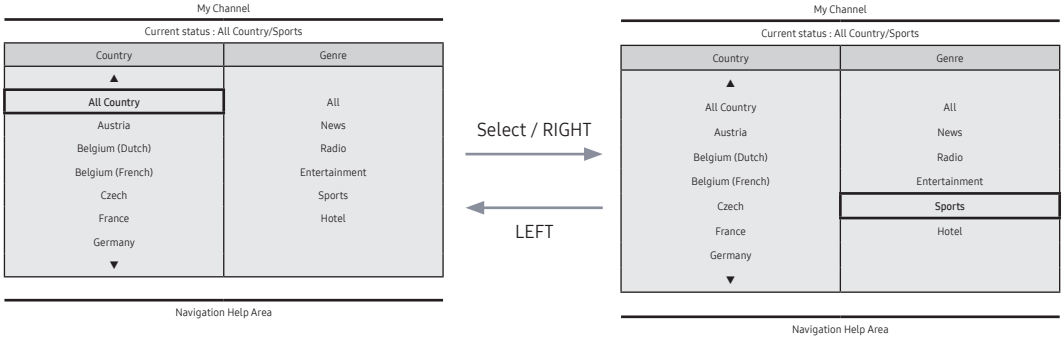
- Users can navigate the items in each country & genre list by pressing the up or down remote control keys.
- Circular navigation is supported.

❶

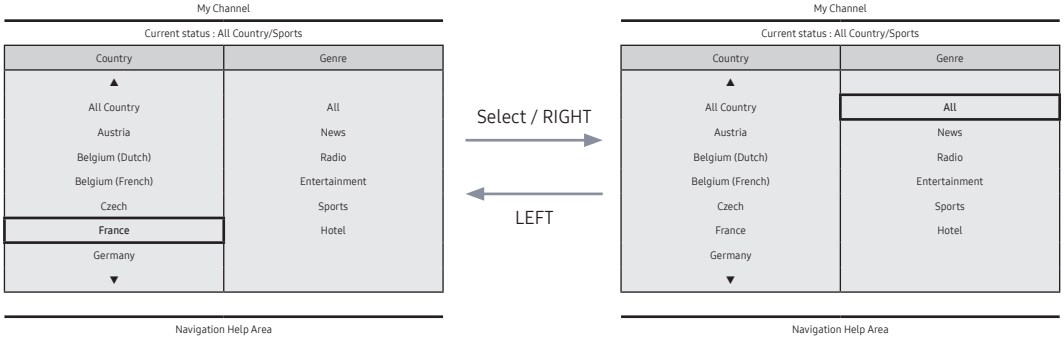


Highlight Interaction [Default Genre]

- This page is only to indicate possible interactions. It may not be exactly identical to actual screens.



- The current selection of the country is high-lighted.
- Default High-light: The current selection of the genre.

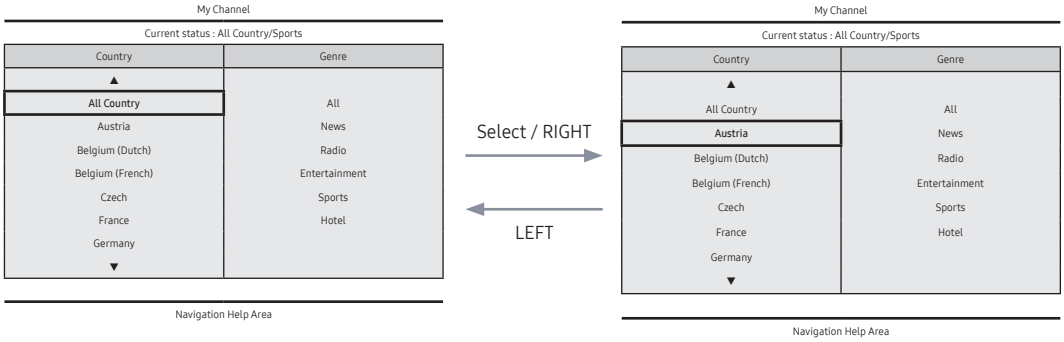


- Seems source error, it should be read as "The other item of the county is high-lighted.". Please verify. (ex. France)
- Default Highlight : All

Mode Change Interaction 1 (1/2)

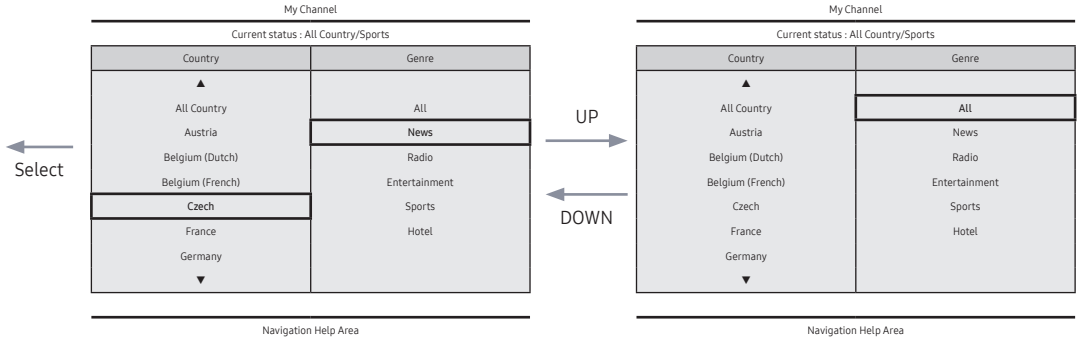
- This page is only to indicate possible interactions. It may not be exactly identical to actual screens.

❶



- Current Genre Mode : All Country / Sports

Select / RIGHT



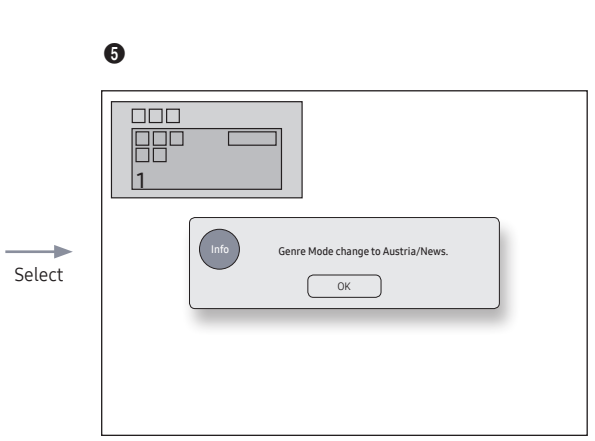
- If the country is selected, highlight moves to genre menu automatically.

Select / RIGHT

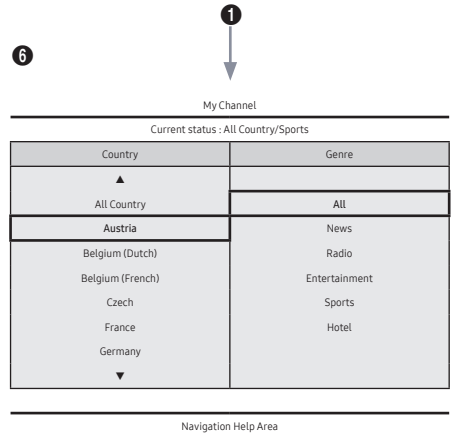
❻

Mode Change Interaction 1 (2/2)

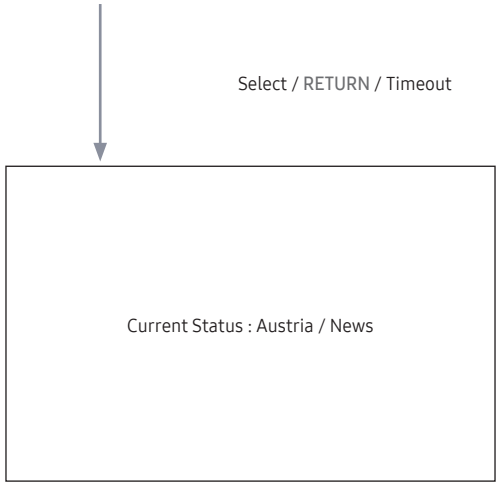
- This page is only to indicate possible interactions. It may not be exactly identical to actual screens.



- The genre mode change complete message is displayed.
- Timeout(5 sec.)



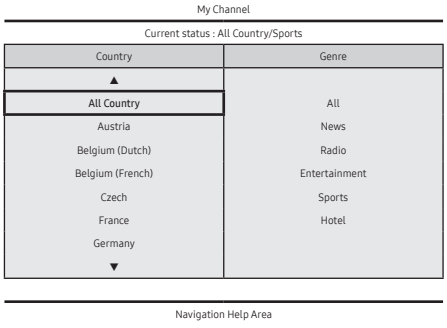
- Pressing the left key from the genre to country menu highlights an existing selected country item.



Mode Change Interaction 1 (1/2)

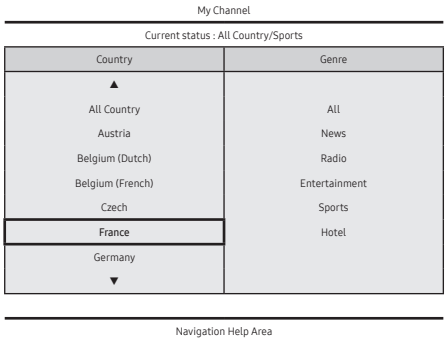
- This page is only to indicate possible interactions. It may not be exactly identical to actual screens.

❶



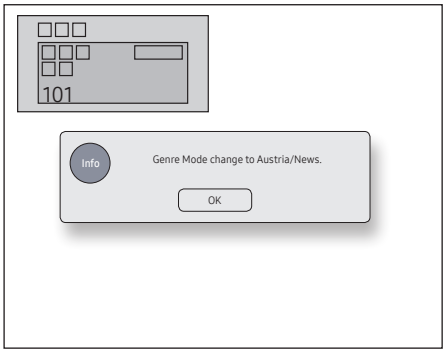
DOWN

UP x 5

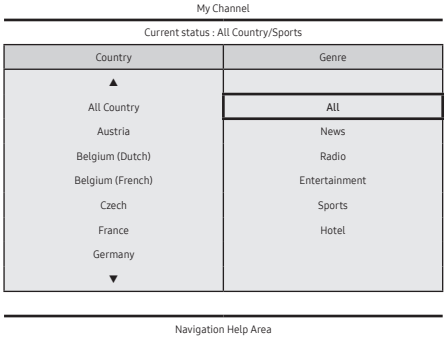


- Current Genre Mode : All Country / Sports

Select / RIGHT



BLUE
/
RETURN
/
EXIT



- If the country is selected, highlight moves to genre menu automatically.

Select
/
RETURN
/
Timeout

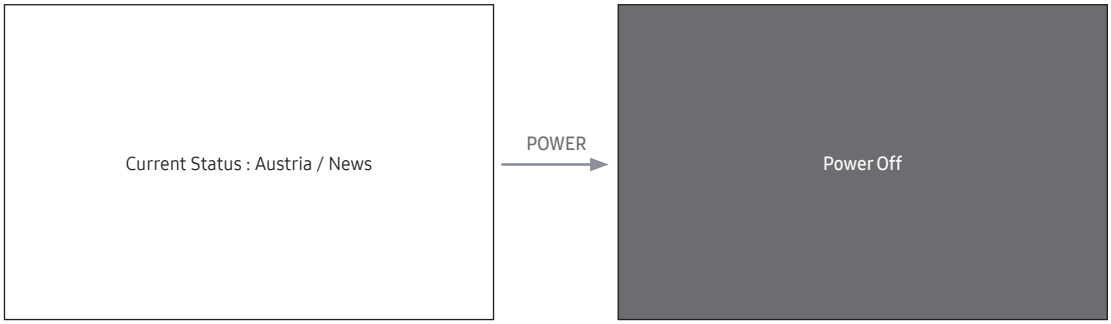
❺



Power On Scenario [Last Memory]

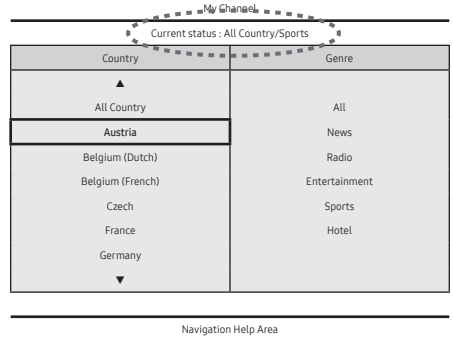
- This page is only to indicate possible interactions. It may not be exactly identical to actual screens.

❶



- Current Genre Mode : All Country / Sports

POWER

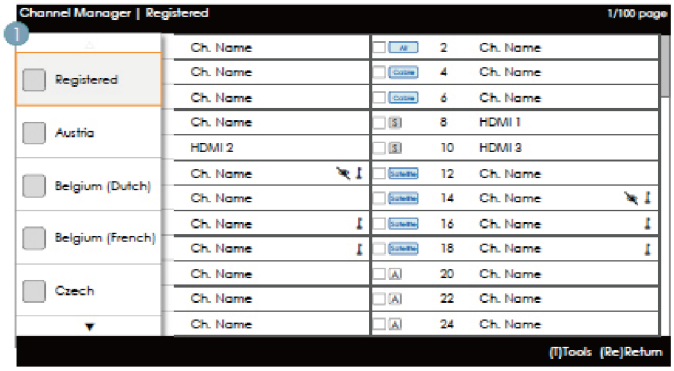


- Current Genre Mode : Austria / News

Genre Editor: This configures the genres of each of the hotel TV channels.

- This can be used through the Hotel Menu (Factory).
- Supported genres include News, Radio, Entertainment, Sports and Hotel.
- More than one genre can be selected for each channel at the same time.
  Country Editor (Channel Editor): This is the editor that configures the country for each of the hotel TV channels.
- Supported countries (20 countries): Austria, Belgium, China, Denmark, Finland, France, Germany, Greece, Italy, Japan, Netherlands, Norway, Portugal, Russia, Korea, Spain, Sweden, Turkey, USA
- If more than one channel is set to a country, the country is registered as a category and users can view the channels by country.
- More than one country can be set to a channel. If the user selects a category, only the channels corresponding to the country are displayed in the channel list.
- If any channel for which the country is set is selected from the channel list, the Edit Countries item is added to the Tools. Otherwise, the Add to Countries item is added to the Tools.
- * If the corresponding function is executed, a country for the selected channel can be set or canceled.
- Front UI
- Provides the screen where the user can select a country or genre when the user turns the power on.

Left Frame Layout



Key Guide

Button	Action	Nav. Help
Select	Selects or enters the corresponding Channel Browser area.	(No Guide)
RETURN	Selects or enters the corresponding Channel Browser area.	Return
UP/DOWN	Moves the highlight up or down.	(No Guide)
RIGHT	Moves the highlight to the Channel Browser area.	(No Guide)
INFO	Shows the Category Info.	(No Guide)
TOOLS	Shows the utility function menus.	Tools
EXIT	Cancels and returns to the previous step (Factory Mode).	(No Guide)

✎ NOTE

- This is a component of the Left Frame (Country Categories).

✎ ETC.

- Default Highlight: 'The currently selected country'

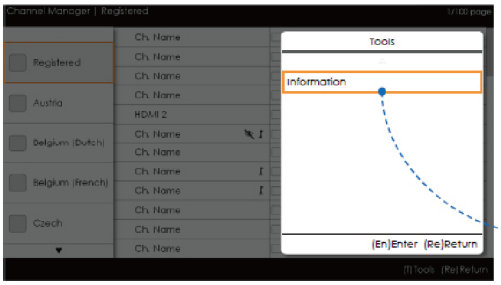
Elements

No	Name	Description
1		• When the user enters this screen, the currently selected default item is highlighted. • The Country Icon + Category Name are provided. (If the highlight is in the Main Frame, only the icon is displayed.) • Moving the highlight – Pressing the up or down button moves the highlight. – If the items cannot be displayed on one page, up and down indicators are provided. – Once the highlight is moved to a category, the channel list corresponding to the corresponding category is loaded to the Main Frame.

Left Frame [Country Categories]

Standard	Category	Ch. Mode	Antenna Mode Activation		Description
			Air/Cable	Satellite	
Hotel	Original Tuned	Registered	O	O	• Lists all the channels registered by the Auto Tune operation.
	Country	All Country	O	O	• Provides the list of channels and sources specified in the Registered Channels list. • All Country is the sum of all channels registered to each country. (This is only provided to end users.)
		Country 1	O	O	
		Country 2	O	O	
		.	O	O	

Tools [Registered/Countries Categories]



- Channel Manager > Channel Category > Tools > Info



- The items are displayed without 'Channel'.
- If the Registered/Country item in the Left Frame is highlighted, you can enable the corresponding window by pressing the 'INFO' remote control key.
- All countries are displayed.
- navigate country items by pressing the up or down key. Indicators are provided.

✎ NOTE

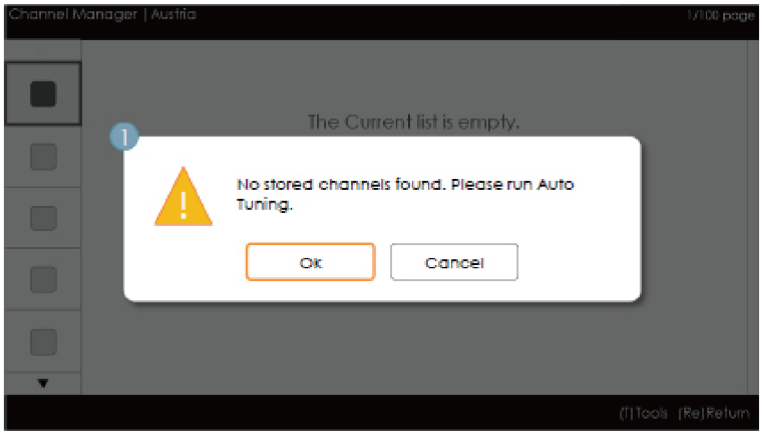
- This is a definition of the Tools menu in the Left Frame Category.
- Only the Info item for each Register/Country is provided.

Elements

Category	Tools menu	Descriptions
Registered, Country	Information	Registered Channels. The number of channels of each country.

- The items are displayed without 'Channel'.

Error Cases

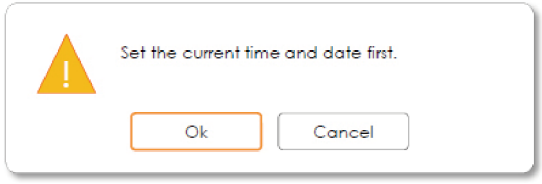


✎ NOTE

- This is the message for when there are no saved channels in the Registered Channels list.

Elements

No	Name	Description
1	Message	• When entering the browser, if the Registered channels item is empty, a popup message is displayed which enables users to switch to the Auto Store (Programme) menu. • When both the time and the channel are not configured, and a user enters the Channel Manager, a message that allows the user to switch to the Auto Tuning (Auto Program) operation is displayed in the same way as above.



- This is the message when the time is not configured.

– If the time is not configured, the message is displayed in Factory Mode before entering the Channel Manager.



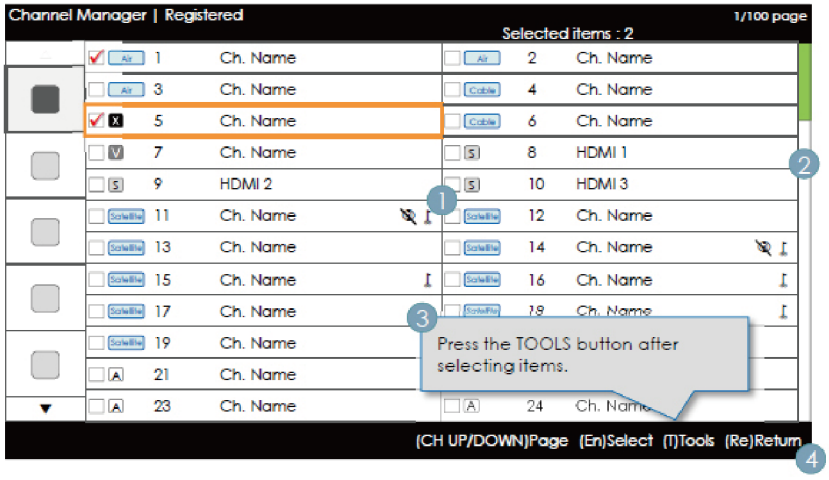
✎ NOTE

- This is the component for when there are no channels registered to the country category.

Elements

No	Description	Description
		The message is displayed when the currently selected country does not contain any items.

Main Frame [Channel Browser]



Key Guide

Button	Action	Nav. Help
CH UP/DOWN	Moves the page.	Page
Select	Selects or enters the corresponding Channel Browser area.	Select
RETURN	Returns to the previous step (Factory Mode).	Return
UP/DOWN	Moves the highlight up or down.	(No Guide)
RIGHT	Moves the highlight to the Channel Browser area.	(No Guide)
INFO	Shows the Category Info.	(No Guide)
TOOLS	Shows the utility function menus.	Tools
EXIT	Cancels and returns to the previous step (Factory Mode).	(No Guide)

✎ NOTE

- This is a component of the Main Frame (Channel Browser).
- The initial highlight is on the channel before entering Factory Mode or the external input.

Elements

No	Name	Description
1	Main Frame	Shows the channel or the source list of the currently selected category.
2	Scroll Bar	Shows the position of the current page amongst the total amount of pages.
3	Navigation Help Area	This is displayed whenever a user enters the Channel Manager. (If a user exits and then reenters the Channel Manager, it is displayed again.) This disappears when the timeout (5 sec.) is reached or a user presses a key.
4	Navigation Help Area	The currently configured country information and the RED buttons are left-aligned. They are displayed and navigated by group graphically. The key guide is right-aligned.

Channel Common Elements [+ Icon-method]

Channel list representation rules

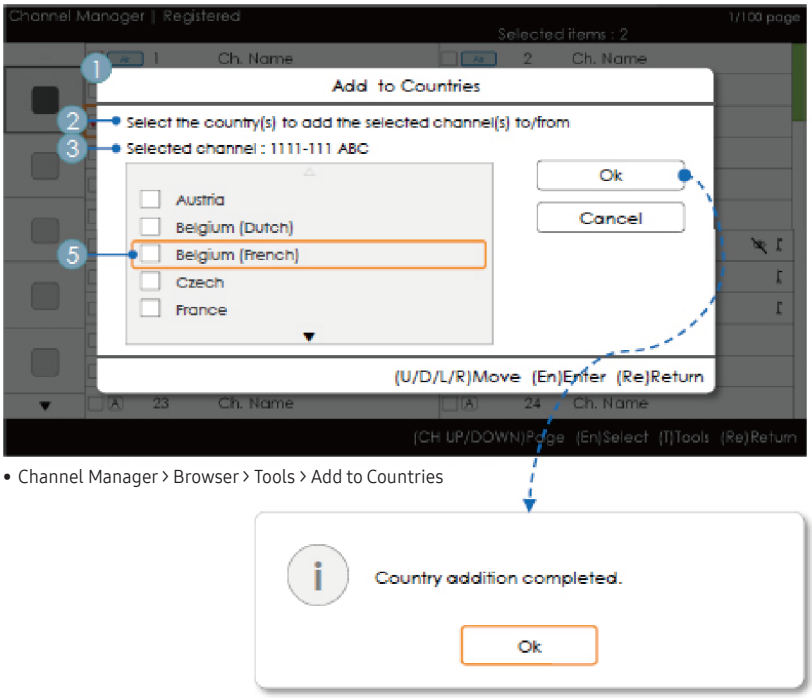
Standard	Item	Construction
ATSC	Digital channels	• Check Box + Status Icon + Digital Channel Number + Channel Name • Channel number representation format: ###-### (The channel number is represented by '-'.)
	Analog channels	• Check Box + Analog Icon + Analog Channel Number + Channel Name • Channel number representation format: ### ('-' is not used to represent analog channel numbers.)
DVB (CHEM)	Digital channels	• Check Box + Status Icon + Digital Channel Number + Channel Name • Channel number representation format: ### (For the maximum length of the channel number, follow the regional specifications.)
	Analogue channels	• Check Box + Analog Icon + Analog Channel Number + Channel Name • Channel number representation format: ### (For the maximum length of the channel number, follow the regional specifications.)

Channel list icon representation rules

Item		Example		Priority
Dynamic SI Icon	Channels deleted by Dynamic SI	☐ X NNNNNNNN CH. NAME	• Channels that have been deleted by the Dynamic SI but not by the user.	1
	Channels added by Dynamic SI	☐ V NNNNNNNN CH. NAME	• Channels that have been added by the Dynamic SI but not by the user.	2
Analogue Channel Icon		☐ A NNNNNNNN CH. NAME (The edited channel name.)	• The Analogue channel icon is displayed.	3
Source Channel Icon		☐ S NNNNNNNN CH. NAME	• A channel that is an input source.	4
Antenna Icon	Air	☐ Air NNNNNNNN CH. NAME	• Represents the live channels from the antennas. The Air, Cable or Satellite antenna icons are displayed with the lowest priority.	5
	Cable	☐ Cable NNNNNNNN CH. NAME		
	Satellite	☐ Satellite NNNNNNNN CH. NAME		

Scrambled Channel Icon	NNNNNNNN CH. NAME	• The scrambled channel icon. This appears for the Satellite antenna.	-
Video Mute	NNNNNNNN CH. NAME	• In a muted channel, the audio and channel information is provided.	-

Add to Countries / Edit Countries (1/2)



• Channel Manager › Browser › Tools › Add to Countries

Key Guide

Button	Action	Nav. Help
Select	Selects the highlighted item.	Select
RETURN	Cancels and returns to the previous screen (Tools).	Return
UP/DOWN	Moves the highlight over country items.	Move
LEFT/RIGHT	Moves the highlight.	Move
INFO	N/R	N/R
TOOLS	Closes the current window and displays the 'Tools' menu.	(No Guide)
EXIT	Cancels and returns to the previous step (Factory Mode).	(No Guide)

✎ NOTE

- This is the definition of Add to Countries.
- The highlighted channel or more than one selected channel is added to the Country category.

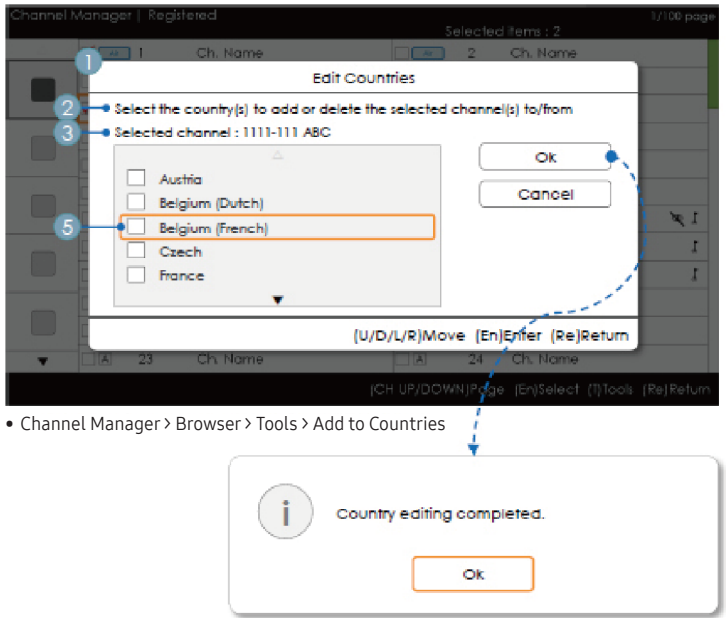
✎ ETC.

- Timeout (60 sec)

Elements

No	Name	Description
1	Add to Countries Window	• If there are no channels that have been registered to the country list in the selected channels, “Add to Countries” is displayed as the title. • A check box is displayed depending on whether the country that was selected when entering the screen is registered or not.
2	Guide	
3	Selection Info	• The serial number or name of the selected channel. – The channel name is displayed when one channel has been selected: Selected channel: NNNN-NNN ABC – The number of selected channels is displayed when more than one channel has been selected: Selected Channels : N
4	Complete Message	• The message is displayed after the completion of the operation. (This message is always displayed if the OK button is selected.)
5	Selection Mark	• How to identify the meaning of multiple channel selection marks • ☑ : When all of the items have been registered. • ■ : When only part of the items have been registered. • ☐ : When none of the items have been registered.

Add to Countries / Edit Countries (2/2)



• Channel Manager › Browser › Tools › Add to Countries

Key Guide

Button	Action	Nav. Help
Select	Selects the highlighted item.	Select
RETURN	Cancels and returns to the previous screen (Tools).	Return
UP/DOWN	Moves the highlight over country items.	Move
LEFT/RIGHT	Moves the highlight.	Move
INFO	N/R	N/R
TOOLS	Closes the current window and displays the 'Tools' menu.	(No Guide)
EXIT	Cancels and returns to the previous step (Factory Mode).	(No Guide)

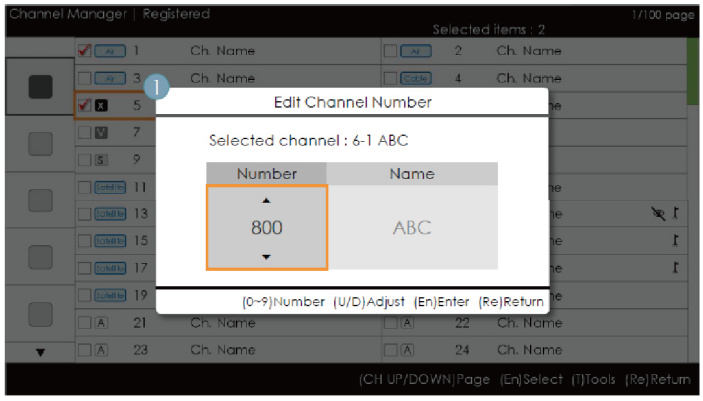
✎ NOTE

- This is the definition for Edit Countries.
- The highlighted channel item or more than one selected channel item is added or deleted from the Country category.
- Timeout (60 sec)

Elements

No	Name	Description
1	Add to Countries	• If there is a registered channel among the selected channels, Edit Countries is displayed as the title. • A check box is displayed depending on whether the selected country is registered or not.
2	Guide	
3	Complete Message	• The message is displayed after the completion of the operation. (This message is always displayed if the OK button is selected.)

Edit Channel Number [Swap Type]



- Channel Manager › Browser › Tools › Edit Channel Number

Key Guide

Button	Action	Nav. Help
Select	Applies the changes and closes the window.	Select
RETURN	Cancels and returns to the previous screen (Tools).	Return
▲/▼	Changes the channel number of the selected channel.	Adjust
0~9	Enters a digit.	Number
INFO	N/R	N/R
TOOLS	Closes the current window and displays the 'Tools' menu.	(No Guide)
EXIT	Cancels and returns to the previous step (Factory Mode).	(No Guide)

✎ NOTE

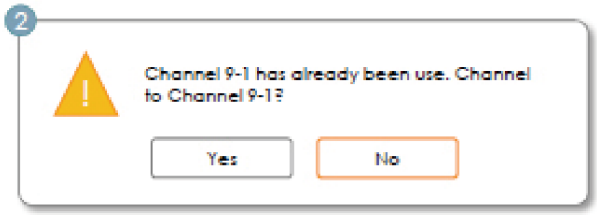
- This is the function that changes the channel number. (Swap Type)
- Channel numbers can be changed in all the channel lists and changes are applied to all the channels.
- If the new channel number has not been allocated to another channel, the channel number is updated to the new channel number and the list is sorted again in ascending order of channel number.
- If the new channel number has already been allocated to another channel, follow the Hotel specifications.

✎ ETC.

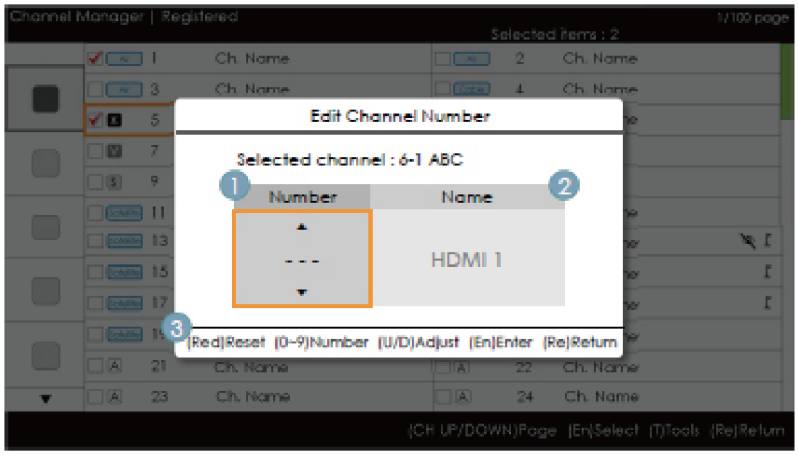
- Vertical circulation is supported.

Elements

No	Name	Description
1	Edit Channel Number Window	• Both the numeric keys and the Up/Down keys are supported. – **Selected Channel**: Shows the currently selected channel name. – **Number**: Shows the new channel number. – (The currently allocated channel name is also displayed.) – **Name**: Shows the currently allocated channel name. (If there are no channels, it is displayed as "(Empty)".) : If there is a channel but it does not have a name, the name is represented as "-----".
2	Warning Message	• If an already allocated channel is selected – If the new channel number has already been allocated to another channel, the confirmation message pops up. (Refer to the figure below.) – If the user wants to change the channel number to one that has already been allocated to another channel, the channel numbers are swapped and saved.



Edit the Channel Number [External Input] (3/3)



- Channel Manager › Browser › Tools › Edit Channel Number

Key Guide

Button	Action	Nav. Help
RED	If a user presses the button, the channel number is initialized.	Reset
Select	Applies the changes and closes the window.	Select
RETURN	Cancels or returns to the previous screen (Tools).	Return
▲/▼	Changes the channel number of the selected channel.	Adjust
0~9	Enters a digit.	Number
INFO	N/R	N/R
TOOLS	Closes the current window and displays the 'Tools' menu.	(No Guide)
EXIT	Cancels and returns to the previous step (Factory Mode).	(No Guide)

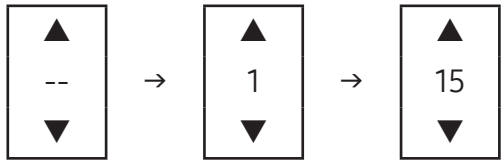
✎ NOTE

- This function allocates an external input source to a channel number. (The changes are applied to all the channels.)
- If the new channel number has already been allocated to another channel, follow the Hotel specifications.

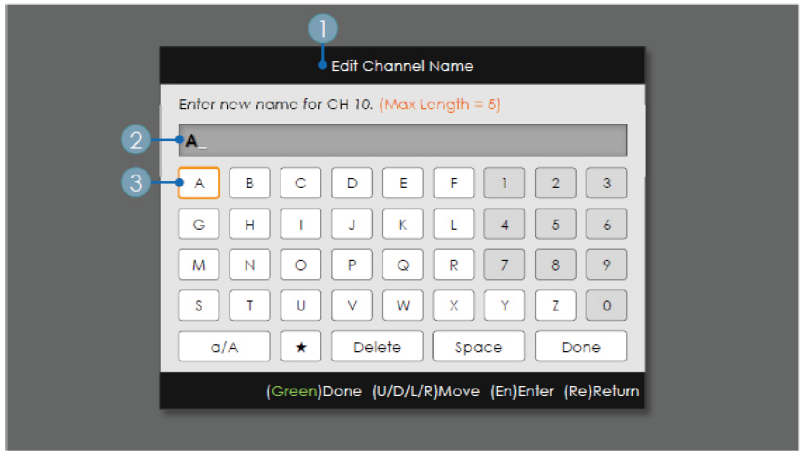
✎ ETC.

- Default Highlight: Channel number area.
- Vertical circulation is supported.
- Timeout (60 sec)

Elements

No	Name	Description
1	Channel Number Area	• The channel number area. – Both the numeric keys and the Up/Down keys are supported. – If no value is allocated, as many '-' are displayed as the number of digits. 
2	Source Name	• External input name – Items that cannot be configured are disabled.
3	Nav. Help Area	• If a user presses the red button, the channel number is initialized.

Edit Channel Name



- Channel Manager › Browser › Tools › Edit Channel Name

Key Guide

Button	Action	Nav. Help
GREEN	Saves the changes and returns to the Channel Manager.	Done
Select	Saves the channel name and moves the cursor to the next field.	Select
RETURN	Cancels and returns to the previous screen (Tools).	Return
▲/▼/◀/▶	Navigates on the keyboard.	Move
0~9	Enters a digit.	(No Guide)
INFO	N/R	N/R
TOOLS	Closes the current window and displays the 'Tools' menu.	(No Guide)
EXIT	Cancels and returns to the previous step (Factory Mode).	(No Guide)

✎ NOTE

- This is the definition of the keypad that is used for the Edit Channel Name function.

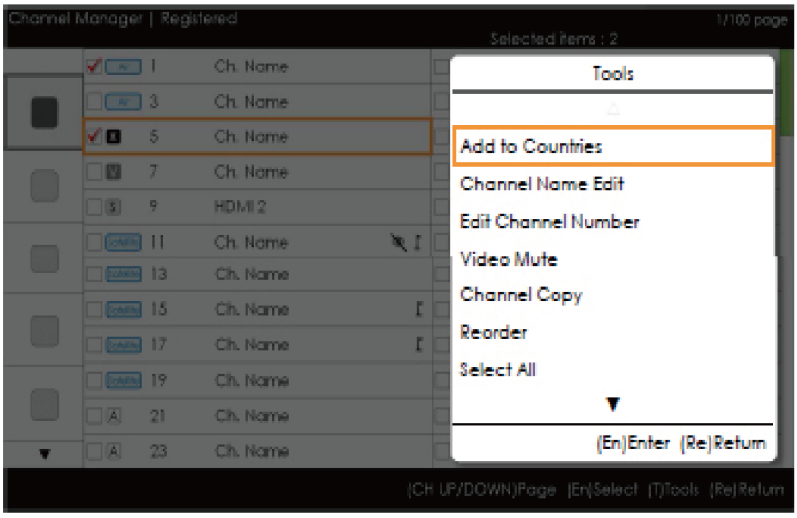
✎ ETC.

- Timeout (60 sec)

Elements

No	Name	Description
1	Channel Name Edit Window	
2	Channel Name	• The cursor and the character that are currently being entered are in the same colour as the highlight. • When the maximum number of characters is reached, the cursor disappears.
3	Keyboard	• For a detailed scenario, refer to the keypad design document.

Tools [Edit Mode]

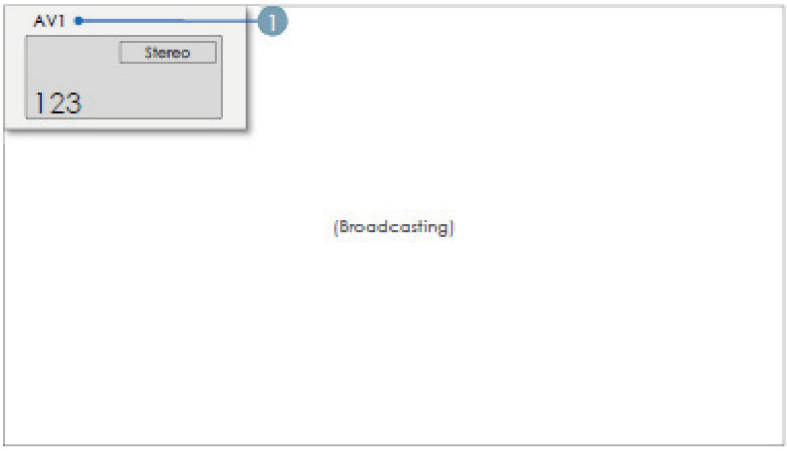


Edit Mode	
Content Highlight (when the number of the checked item is 0 or 1)	When there is more than one checked item.
Add to Countries Edit Countries (when an already-registered item is checked.) Channel Name Edit Edit Channel Number Video Mute Channel Copy (Astra HD +) Reorder (Satellite) Select All Deselect All (this is only displayed when 1 or more items are selected) Delete	Add to Countries Edit Countries (when an already-registered item is checked.) Video Mute Reorder (Satellite) Select All Deselect All Delete

✎ NOTE

- The position of the popup menu: The Tools menu for an item in the left column of the **Channel List** → This is displayed on the right. The Tools menu for an item in the right column of the **Channel List** → This is displayed on the left.
- If a user presses the TOOLS button when the highlighted item is not selected, the item is automatically marked as selected.
- For detailed specifications of each function, refer to the NEO Channel Manager.

CH Banner [when a channel number is allocated to an external input]



✎ NOTE

- The TV channel banner specifications are applied.
- When there is an unsupported item or there is no corresponding information, the item values are not displayed.
- The channel name is represented as the ‘external input name’.

Elements

No	Name	Description
1	External Input Name	

The Channel List provides access to functions related to GenreTV.

- Country Mode
- Changes the genre mode.

Mixed Channel Map

Mixed Channel Map is a function to mix Air, Cable and Satellite channels.
[Except for Aus, Singapore, NZ models]

– Mixed Channel Map should be ON in order to mix Air, Cable and Satellite channels.
– Use Channel Editor to sort the channels after turning on 'Mixed Channel Map' in Hotel Option Menu.

Sound Bar

- Samsung Sound-Bars and Hospitality TV
  - Use Samsung Sound-Bars and Hospitality TV that support the ARC feature with HDMI. If you connect a compatible Samsung Sound-Bar to a compatible Samsung hospitality TV using a single HDMI cable, guests can listen to theTV's sound through the Sound-Bar.
  - Models supporting the ARC function are listed below:
    - Sound-Bars:
      - HW-K450/K550
      - HW-M550/M450/M4500

- Setting the Sound-Bars to Hotel Mode

1. Set the following Hotel menu options:
   - Hotel option > System > Sound Bar Out = On
   - Hotel option > Power On > Power On Volume > User Defined
   - Hotel option > Power On > Power On Volume > Set greater than 0
   - Hotel option > Power On > Max Volume > Set greater than 0
2. Connect an HDMI cable from the HDMI OUT jack on the back of Sound-Bar to the HDMI3 port (supporting ARC) on the hospitality TV.
3. After the Sound-Bar is connected to the hospitality TV, when the TV turns on, the Sound-Bar automatically detects the TV, and then automatically switches to Hotel Mode.

Sound Bar Hotel mode functional characteristics:

- Power On/Off is synchronized with the TV
- HDMI_CEC defaults to On
- Functions through the "HDMI OUT" port only
- Disables the "Input mode" key on the VFD to prevent unexpected audio-source changes.
- Acquires adjustable Power On and Max Volume settings from the TV's Hotel option menu. The Sound-Bar's Power On Volume and Max Volume values, however, are ½ of the Power On Volume and Max Volume settings in the TV's Hotel option menu.
  Example: If the TV's Power On Volume=20 and Max Volume=90, then the Sound Bar's Power On Volume=10 and Max Volume=45.

*This function may differ depending on the model.

Security mode

Design Specifications

- This is to restrict some functions such as TTX and external source (**HDMI**, **USB**) input in specific facilities such as a correctional facility.
- The Security menu is password-protected. Access to the Security menu is denied without the password.
- Security Setting
  - The Security Setting can be set to ON or OFF.
  - The default is OFF.
  - Security Setting: If set to On, external source (**HDMI**, **USB**) input and the TTX function will be disabled.
- Password Setting
  - This allows users to change the password.
  - Users must input the current password, a new password, and confirmation of the new password.
- Password Reset
  - This is to reset the password.
  - The default password is "00000000".
  - Password Reset is visible only in the Factory menu by using the key combination of Info and Factory. It is not visible using the key combination of MUTE → 1 → 1 → 9 → ENTER↵.
- Security Setting: If set to On, the SIRCH function is not available.
- Factory Reset will not reset the Security Setting.

Installing the Wall Mount

The wall mount kit (sold separately) allows you to mount the TV on the wall. For detailed information on installing the wall mount, see the instructions provided with the wall mount. Contact a technician for assistance when installing the wall mount bracket. We do not advise you to do it yourself.

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.

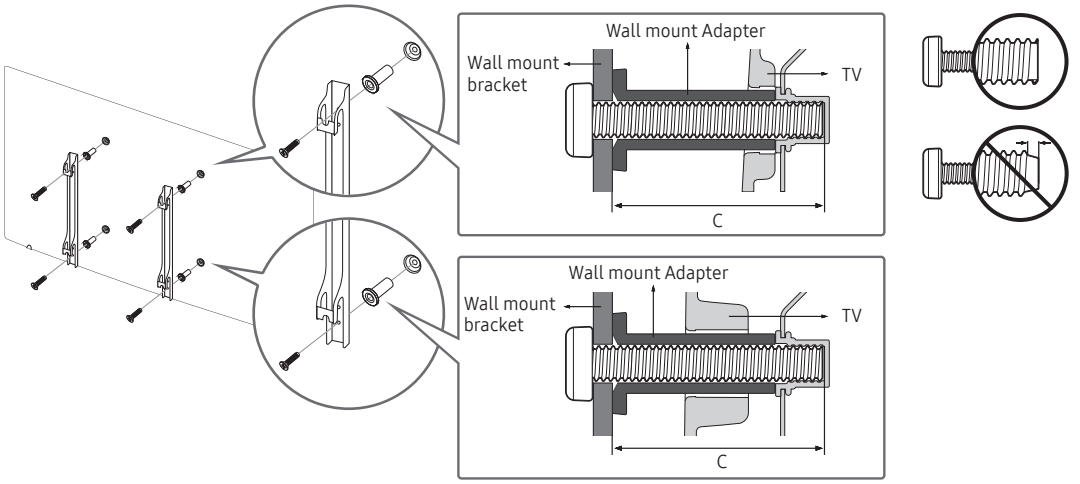
Wall Mount Kit Specifications (VESA)

✎ The Wall mount kit is not supplied but sold separately.

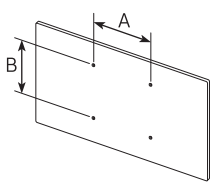
Install your wall mount on a solid wall, perpendicular to the floor. When attaching to other building materials, please contact your nearest dealer. If installing on a ceiling or slanted wall, it may fall and result in severe personal injury.

✎ NOTE

- Standard dimensions for wall mount kits are shown in the table below.
- When purchasing our wall mount kit, a detailed installation manual and all parts necessary for assembly are provided.
- Do not use screws that do not comply with VESA standard screw specifications.
- Do not use screws longer than the standard dimensions, as they 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 their specifications.
- Do not fasten the screws too tightly. 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 exceed a 15 degrees tilt when mounting this TV.



inches	VESA Spec. (A * B)	C (mm)	Standard Screw	Quantity
32	100 x 100	43 ~ 45	M4	4
43 ~ 49	200 x 200		M8	
55	400 x 400			



Do not install your Wall Mount Kit while your TV is turned on.
It may result in personal injury due to electric shock.

Securing the TV to the Wall

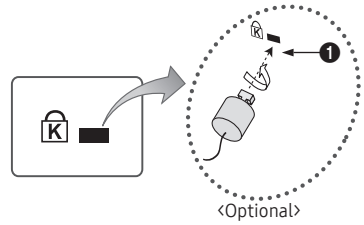
Caution: Pulling, pushing, or climbing onto the TV may cause the TV to fall. In particular, ensure that your children do not hang over or destabilize the TV; doing so may cause the TV to tip over, resulting in serious injuries or death. Follow all safety precautions provided on the included Safety Flyer. For added stability, install the anti-fall device for safety purposes, as follows.

To avoid the TV from falling

1. Put the screws into the clamps and firmly fasten them onto the wall. Confirm that the screws have been firmly installed onto the wall.
   - ✎ You may need additional material, such as an anchor, depending on the type of wall.
   - ✎ Since the necessary clamps, screws, and string are not supplied, please purchase these additionally.
2. Remove the screws from the centre back of the TV, put the screws into the clamps, and then fasten the screws onto the TV again.
   - ✎ Screws may not be supplied with the product. In this case, please purchase the screws of the following specifications.
3. Connect the clamps fixed onto the TV and the clamps fixed onto the wall with a strong string and then tie the string tightly.
   - ✎ NOTE
     - Install the TV near to the wall so that it does not fall backwards.
     - It is safe to connect the string so that the clamps fixed on the wall are equal to or lower than the clamps fixed on the TV.
     - Untie the string before moving the TV.
4. Verify that all connections are properly secured. Periodically check connections for any sign of fatigue for failure. If you have any doubt about the security of your connections, contact a professional installer.

Anti-theft Kensington Lock

The Kensington Lock is not supplied by Samsung. It is a device used to physically fix the system when using it in a public place. The appearance and locking method may differ from the illustration, depending on the manufacturer. Refer to the manual provided with the Kensington Lock for additional information on proper use.
To lock the product, follow these steps:
Please find the "🔒" icon on the rear of the TV. A kensington slot is beside the "🔒" icon.



<Optional>

1. Wrap the Kensington lock cable around a large, stationary object such as desk or chair.
2. Slide the end of the cable with the lock attached through the looped end of the Kensington lock cable.
3. Insert the locking device into the Kensington slot on the product (❶).
4. Lock the lock.

✎ These are general instructions. For exact instructions, see the User manual supplied with the locking device.
✎ The locking device has to be purchased separately.
✎ The location of the Kensington Lock may be different depending on the model.

Specifications

Environmental Considerations Operating Temperature Operating Humidity Storage Temperature Storage Humidity	10°C to 40°C (50°F to 104°F) 10% to 80%, non-condensing -20°C to 45°C (-4°F to 113°F) 5% to 95%, non-condensing	
Model Name	HG32EF690	HG43EF690
Display Resolution	1920 x 1080	1920 x 1080
Screen Size (Diagonal)	32 inches (80 cm)	43 inches (108 cm)
Sound (Output)	20 W	20 W
Stand Swivel (Left / Right)	20˚ / 60˚ / 90˚	20˚ / 60˚ / 90˚
Dimensions (W x H x D) Body With stand	 730.4 x 433.8 x 54.6 mm 730.4 x 483.8 x 192.6 mm	 972.9 x 570.1 x 54.0 mm 972.9 x 623.0 x 226.5 mm
Weight Without Stand With Stand	 5.7 kg 7.3 kg	 9.7 kg 12.7 kg
Model Name	HG49EF690	HG55EF690
Display Resolution	1920 x 1080	1920 x 1080
Screen Size (Diagonal)	49 inches (123 cm)	55 inches (138 cm)
Sound (Output)	20 W	20 W
Stand Swivel (Left / Right)	20˚ / 60˚ / 90˚	20˚ / 60˚ / 90˚
Dimensions (W x H x D) Body With stand	 1105.8 x 645.0 x 54.6 mm 1105.8 x 698.0 x 226.5 mm	 1241.6 x 721.4 x 54.5 mm 1241.6 x 774.3 x 226.5 mm
Weight Without Stand With Stand	 13.0 kg 16.0 kg	 16.2 kg 19.2 kg

✎ Design and specifications are subject to change without prior notice.

✎ For power supply and power consumption information, refer to the label attached to the product.

(Europe only)
To access the EPREL registration of the model :

1. Go to https://eprel.ec.europa.eu
2. Get the model identifier from the energy label of the product and type it in the search box
3. Energy Labelling information of the model is shown

* You can directly access the product information via https://eprel.ec.europa.eu/qr/#####(registration no.)
The registration no. can be found on the rating label on your product.

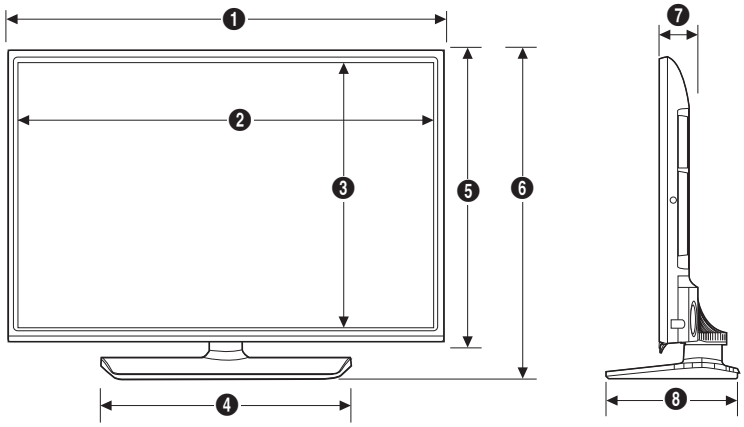
(Turkey only)
To access the energy labelling information of the model :

1. Go to https://www.samsung.com/global/ecodesign_energy
2. Get the model identifier from the energy label of the product and type it in the search box
3. Energy labelling information can be found

Dimensions

Front view / Side view

- HG32EF690 / HG43EF690 / HG49EF690 / HG55EF690



(Unit: mm)

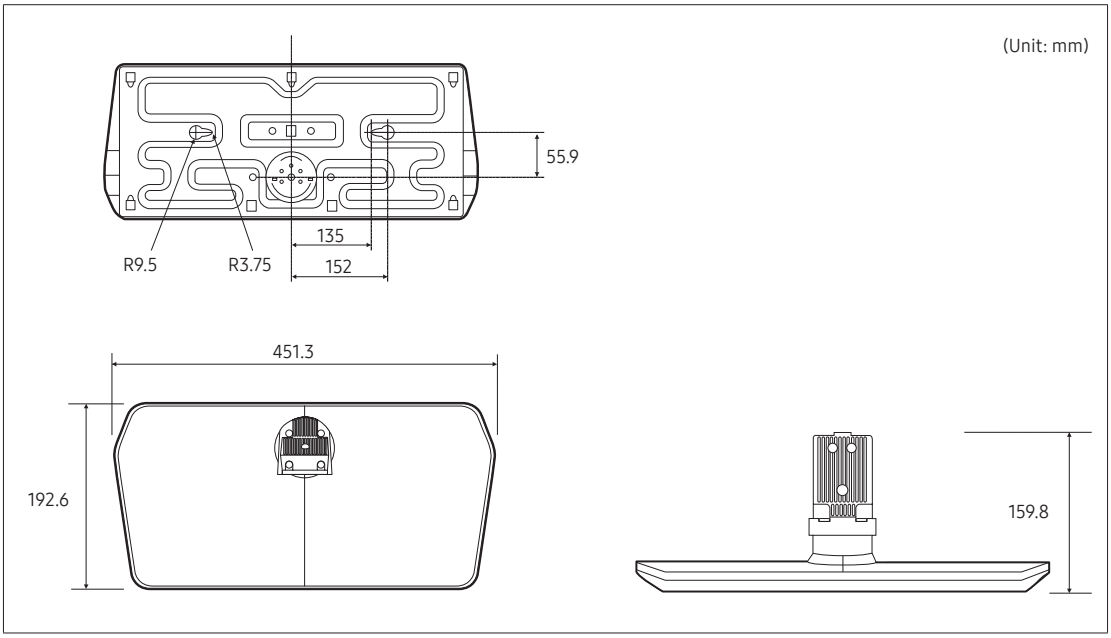
	❶	❷	❸	❹	❺	❻	❼	❽
HG32EF690	730.4	701.4	395.8	451.3	433.8	483.8	54.6	192.6
HG43EF690	972.9	943.9	532.1	559.6	570.1	623.0	54.0	226.5
HG49EF690	1105.8	1076.8	607.0	559.6	645.0	698.0	54.6	226.5
HG55EF690	1241.6	1212.6	683.4	559.6	721.4	774.3	54.5	226.5

Jack panel detail / Rear view

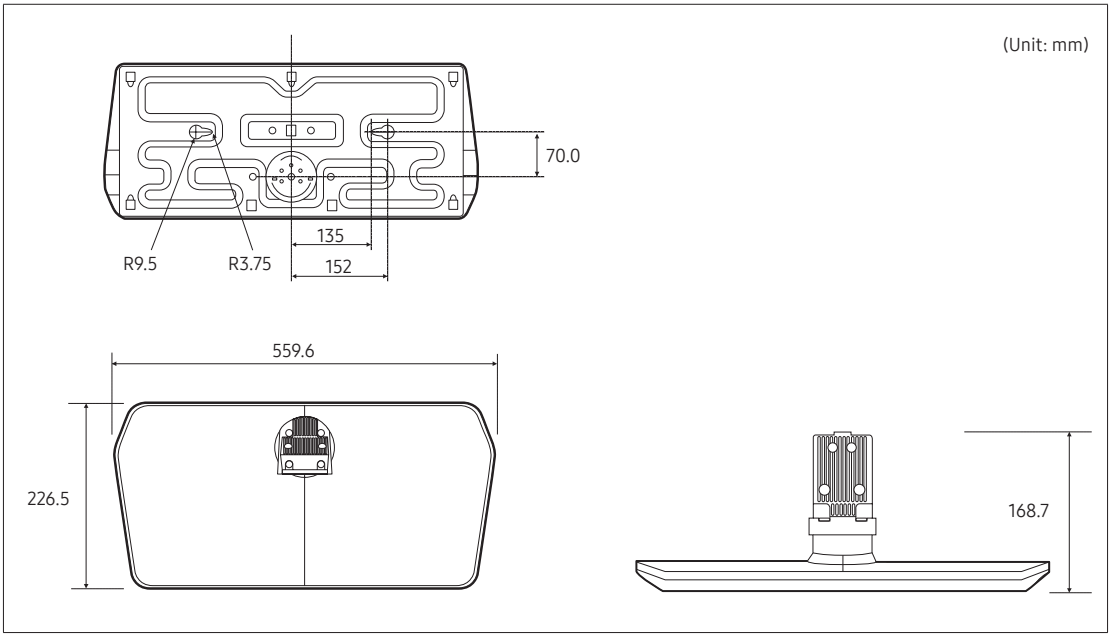
✎ Detailed dimensions can be checked at Displaysolutions.samsung.com.

Base Stand detail

- HG32EF690



- HG43EF690 / HG49EF690 / HG55EF690



✎ NOTE: All drawings are not necessarily to scale. Some dimensions are subject to change without prior notice. Refer to the dimensions prior to performing installation of your TV. Not responsible for typographical or printed errors.

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BOSNIA	055 233 999	www.samsung.com/support
ALBANIA	045 620 202	www.samsung.com/al/support
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	Samsung Electronics Czech and Slovak, s.r.o. V Parku 2323/14, 148 00 - Praha 4	
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FINLAND	030-6227 515	www.samsung.com/fi/support
FRANCE	01 48 63 00 00	www.samsung.com/fr/support
GERMANY	06196 77 555 77	www.samsung.com/de/support
CYPRUS	8009 4000 only from landline, toll free	www.samsung.com/gr/support
GREECE	80111-SAMSUNG (80111 726 7864) only from land line (+30) 210 6897691 from mobile and land line	
HUNGARY	0680SAMSUNG (0680-726-7864)	www.samsung.com/hu/support
ITALIA	800-SAMSUNG (800.7267864)	www.samsung.com/it/support
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