

LED TV

Installation manual

imagine the possibilities

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your product at

www.samsung.com/register

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 12-17(Setting the hotel option data : Stand-alone mode and Interactive mode)

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

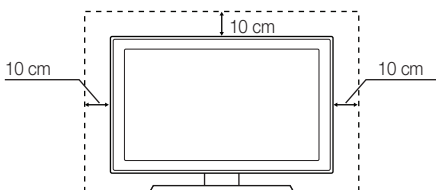
Securing the Installation Space

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

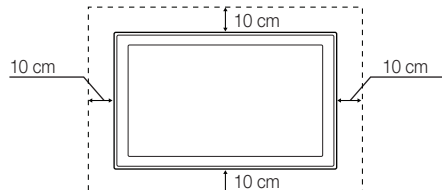
Failing to do so may result in fire or a problem with the product due to an increase in the internal temperature of the product.

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

Installation with a stand.



Installation with a wall-mount.



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**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.

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 models.

- Remote Control & Batteries (AAA x 2)
- Quick Set up Guide
- RF Signal Gender (HG28EB460)
- Power Cord
- Safety Guide (Not available in all locations)
- Screws
- Holder-Wire Stand

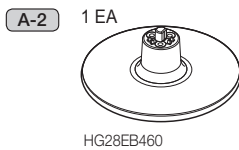
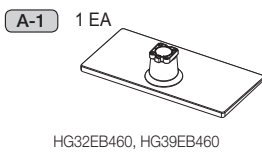
 The stand and stand screw may not be included depending on the model.

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

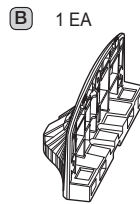
Installing the LED TV Stand

Stand Components

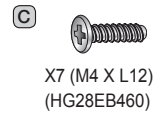
When installing the stand, use the provided components and parts.



Stand



Guide Stand



Screws

HG28EB460


1

C X4 (M4 X L12)


B

A-2


ATTENTION



DO NOT USE
CHEMICALS




DO NOT USE
GREASE




DO NOT USE
OIL

Side

2

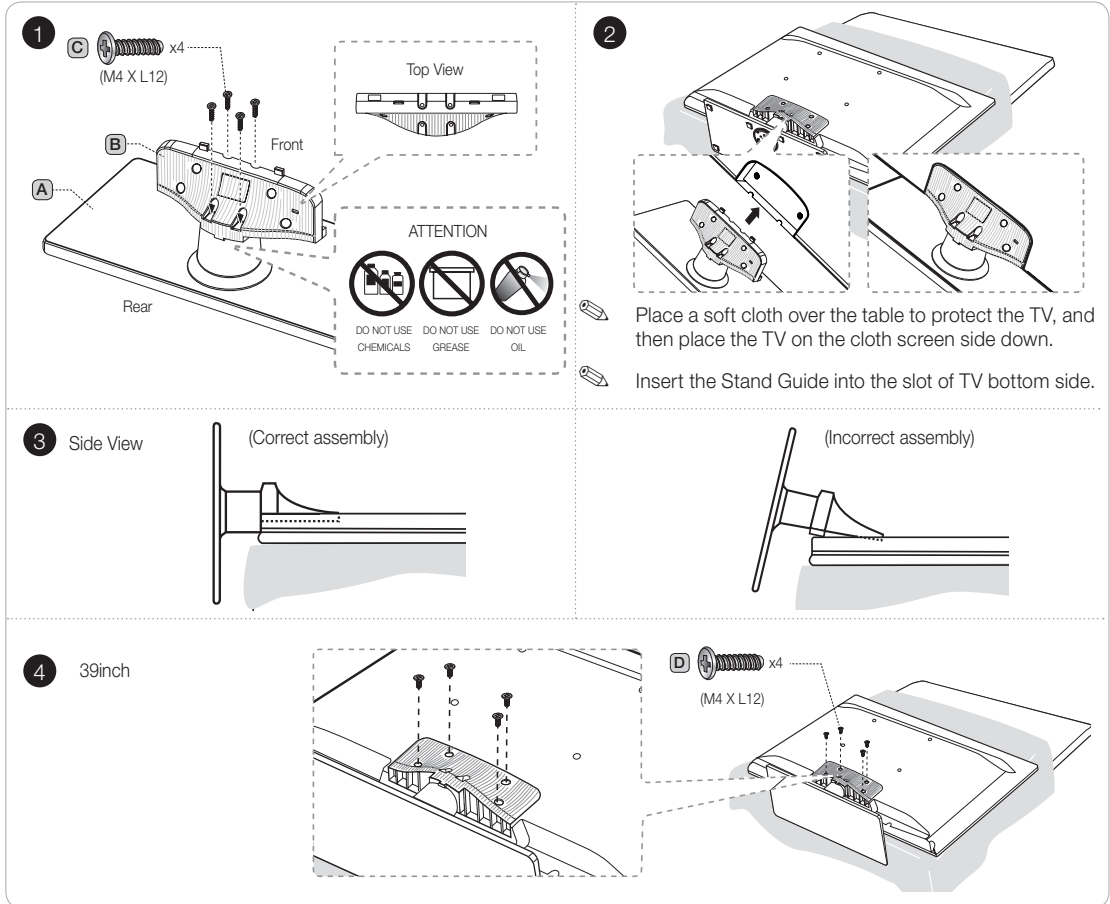
 Place a soft cloth over a table to protect the TV, and then place the TV on the cloth screen side down.



 Insert the Stand Guide into the slot on the bottom of the TV.

3

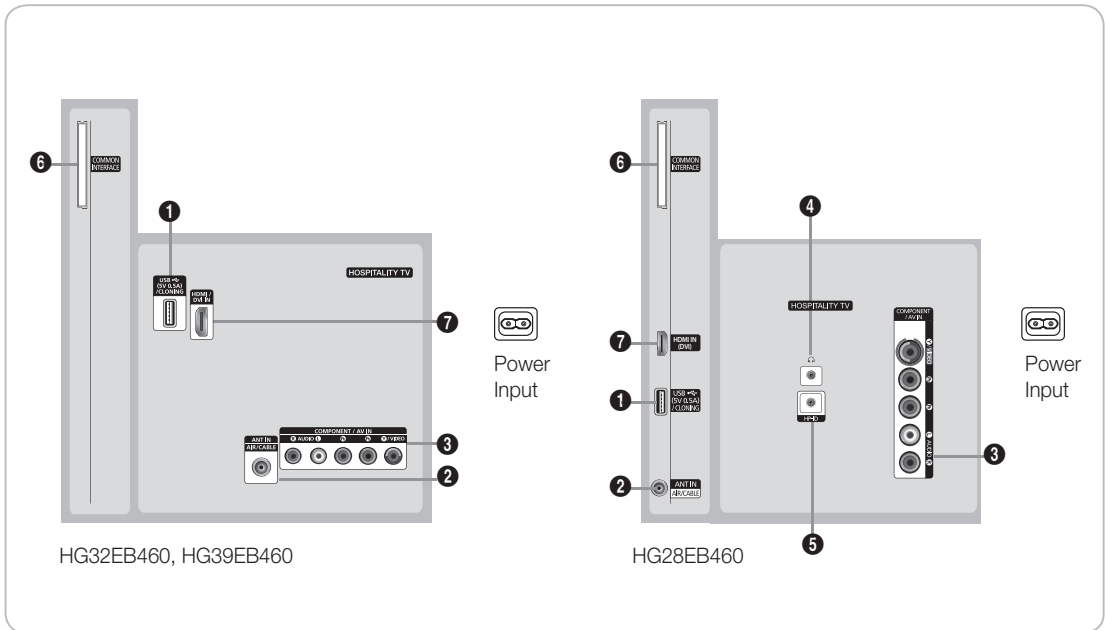
C X3 (M4 X L12)

HG32EB460, HG39EB460



-  Make sure to distinguish between the front and back of the Stand and Stand Guide when assembling them.
-  Make sure that at least two people lift and move the TV.

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 color of the connection terminal to the cable.

1 USB / CLONING

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

2 **ANT IN:** To view television channels correctly, a signal must be received by the set from one of the following sources. An outdoor antenna / A cable television network / A satellite network.

For Norway & For Sweden: Equipment which is connected to protective earth through a network plug and/or through other equipment connected to earth, and connected to a cable network, may cause risk of fire. To prevent this from happening, a galvanic isolator is also installed between the equipment and the cable network when connecting the equipment to the cable network.

3 COMPONENT / AV IN

- Connects Component video / audio.
- Connect component video cables (optional) to the component jacks ("Pr", "Pb", "Y") on the rear of your TV and the other ends to corresponding component video out jacks on the DVD.
- If you wish to connect both the Set-Top Box and DVD, 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.
- Connect RCA audio cables (optional) to [R - AUDIO - L] on the rear of the TV set and the other ends to corresponding audio out jacks on the DVD.





4 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 will be disabled.

5 **HP-ID:** Connect the cable to HP-ID and Headphone Jack simultaneously and connect it to separated Headphone Box. When connecting Headphone to Headphone Box, it works same as Headphone function.

6 COMMON INTERFACE

7 HDMI IN (DVI): Connects to the HDMI jack of a device with an HDMI output.

-  No sound connection is needed for an HDMI to HDMI connection.
-  Use the **HDMI IN (DVI)** jack for DVI connection to an external device.
-  **PC/DVI AUDIO IN** input is not supported.
-  If an HDMI to DVI cable is connected to the **HDMI IN (DVI)** port, the audio does not work.

Display Modes

Both screen position and size will vary depending on the type of PC monitor and its resolution. The resolutions in the table are recommended. The supported resolution may differ depending on the model.

 Optimal resolution is 1366 X 768 @ 60 Hz. (HD Model)


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 720	45,000	60,000	74,250	+/+
	1280 x 800	49,702	59,810	83,500	-/+
	1280 x 1024	63,981	60,020	108,000	+/+
	1280 x 1024	79,976	75,025	135,000	+/+
1366 x 768	47,712	59,790	85,500	+/+	


 Optimal resolution is 1920 X 1080 @ 60 Hz. (FHD Model)

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 CVT	720 x 576	35,910	59,950	32,750	-/+
	1152 x 864	53,783	59,959	81,750	-/+
	1280 x 720	56,456	74,777	95,750	-/+
	1280 x 960	75,231	74,857	130,000	-/+
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 800	62,795	74,934	106,500	-/+
	1280 x 960	60,000	60,000	108,000	+/+
1360 x 768	47,712	60,015	85,500	+/+	
1440 x 900	55,935	59,887	106,500	-/+	
1440 x 900	70,635	74,984	136,750	-/+	
1680 x 1050	65,290	59,954	146,250	-/+	
VESA GTF	1280 x 720	52,500	70,000	89,040	-/+
	1280 x 1024	74,620	70,000	128,943	-/-
VESA DMT / DTV CEA	1920 x 1080p	67,500	60,000	148,500	+/+

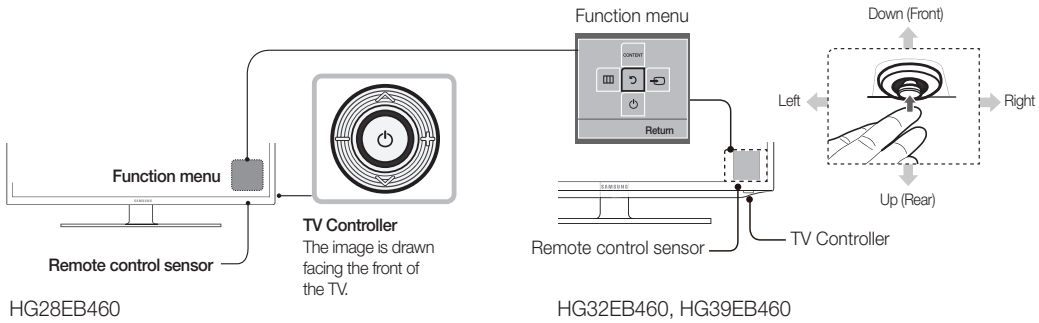
 When using an HDMI/DVI cable connection, you must use the **HDMI IN (DVI)** jack.

 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.

Using the TV's Controller



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


- The product color and shape may vary depending on the model.
- Exits the menu when pressing the controller more than 1 second.
- When selecting the function by moving the controller to the up/down/left/right directions, be sure not to press the controller. If you press it first, you cannot operate it to move the up/down/left/right directions.

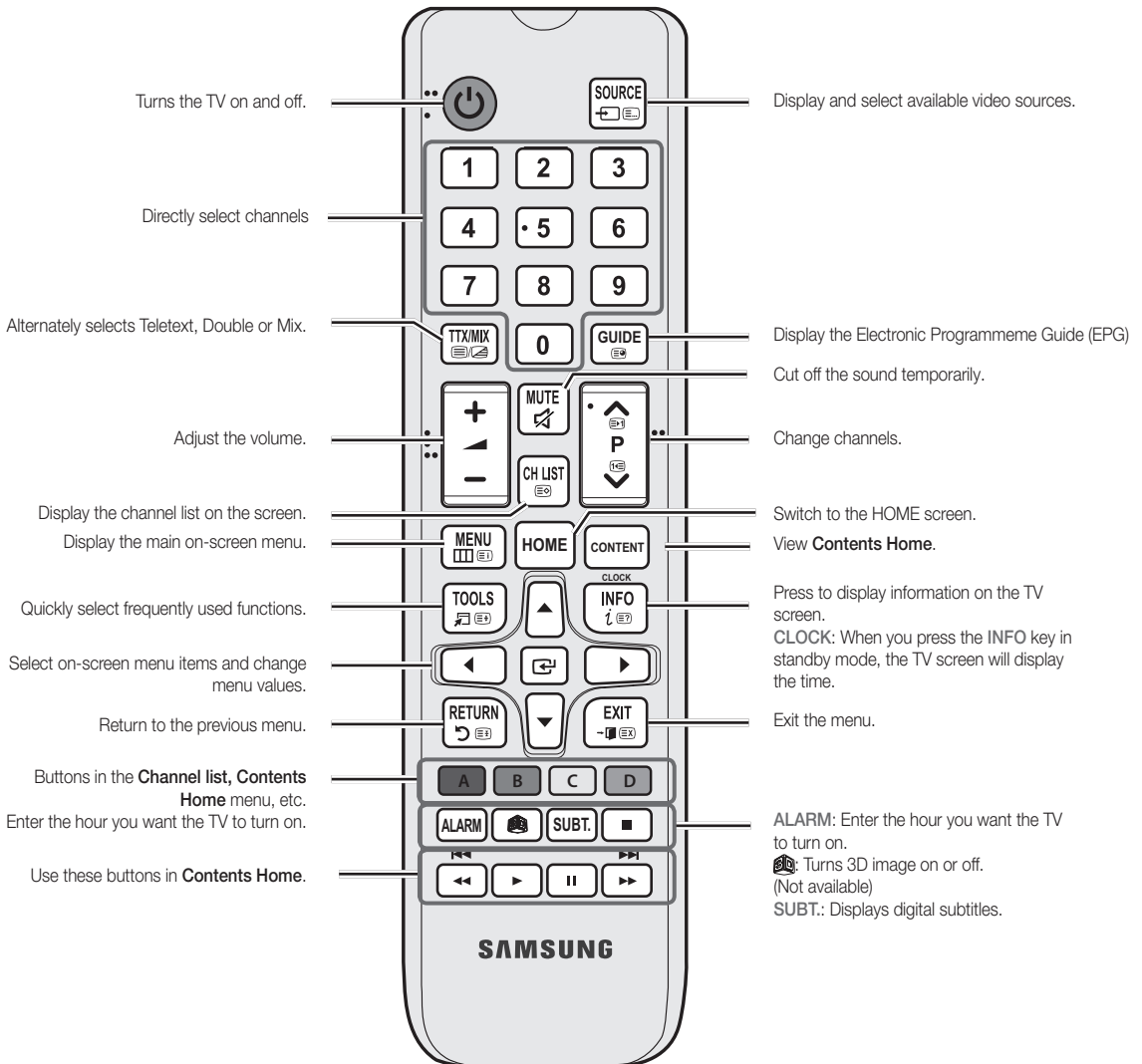
Power on	Turns the TV on by pressing the controller in standby mode.
Adjusting the volume	Adjusts the volume by moving the controller from side to side when the power is on.
Selecting a channel	Selects a channel by moving the controller up and down when the power is on.
Using the function menu	Press the controller when the power is on, then the function menu screen appears. If you press it again, the function menu screen disappears.
Using the Menu	Selects the Menu () by moving the controller in the function menu screen. The OSD(On Screen Display) of your TV's feature appears.
Selecting the Source	Selects the Source () by moving the controller in the function menu screen. The Source list screen appears.
Selecting the Contents Home	Selects the Contents Home () by moving the controller in the function menu screen. The Contents Home main screen appears.
Power Off	Selects the Power Off () to turn the TV off by moving the controller in the function menu screen.

Standby mode

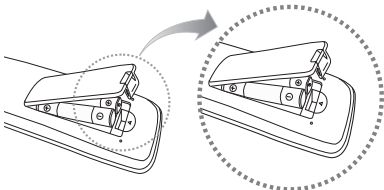
Your TV enters Standby mode when you turn it off and continues to consume a small amount of electric power. To be safe and to decrease power consumption, do not leave your TV in standby mode for long periods of time (when you are away on vacation, for example). It is best to unplug the power cord.

Viewing the Remote Control

 This is a special remote control for the visually impaired persons and has Braille points on the Power, Channel and Volume buttons.



Installing batteries (Battery size: AAA)



NOTE

- Use the remote control within 23 feet from 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.
- Remocon button 'HOME' & '3D' is not supported. When press those button, TV unit do not give ANY respond.

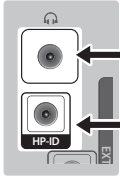
Connecting the Bathroom Speakers

HP-ID

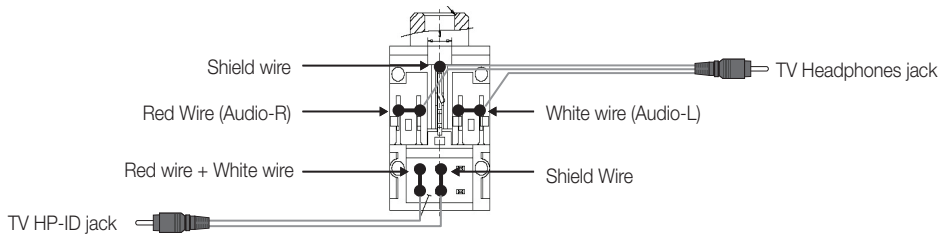
An additionally created Headphone Box can be installed on a bed or business desk so that users can use it conveniently. The installation procedures are described below.

- Detailed Drawing of the Headphone Box.

TV Rear Panel



Headphone Box



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.


No	Item	Sub item	initial value	Description	
			Standalone		
1	Hospitality Mode	Standalone	Standalone	Select the Hospitality mode.	
2	SI Vendor	***	OFF	Select the SI Vendor	
3	Power On	Power On Channel EN	User Defined / Last Saved	Last Saved	This feature Configures the Power On Channel on TV (In Interactive Mode ONLY User Defined to be Displayed) <ul style="list-style-type: none"> • User Defined: TV can be configured to Power ON to a user defined/specified Channel. • Last Saved: TV will always Turn On to the last viewed Channel
		Power On Channel	***	1	When the TV is turned on, it switches automatically to this channel. (Available when the 'User Defined' is selected in Power On Channel EN)
		Channel Type	ATV / DTV / CDTV	ATV	This feature determines the type of Power on Channel Type. (Available when the 'User Defined' is selected in Power On Channel EN)
		Power On Volume EN	User Defined / Last Saved	Last Saved	This feature configures the Power On Volume of the TV <ul style="list-style-type: none"> • User Defined: - The TV can be configured to Power ON at a user defined/specified Volume. • Last Saved: - The TV will always turn on at the last set Volume Level.
		Power On Volume	0~100	10	When the TV is turned on, it switches automatically to this volume level. Available when the 'User Defined' is selected in Power On Volume EN
		Min Volume	0~100	0	Set the minimum Volume Levels
		Max Volume	0~100	100	Set the maximum Volume Levels
		Power on source	TV / HDMI / AV1 / COMP / PC	TV	Select the Input source when the TV is turned on initially.
		Power On Option	Power On / Standby / Last Option	Last Option	Determines the TV's state when power returns after a power failure or after you have unplugged the TV and then plugged it in again. <ul style="list-style-type: none"> • Standby: Standby State • Power ON: Power On • Last Option: Last Power State

No	Item	Sub item	initial value		Description
				Standalone	
4	Channel	Channel Setup	***		Users can set channel options such as Auto Tuning, Manual Tuning, Antenna setting, etc.
		Channel Editor	***		Provided option for editing Channel Name and Number and video. Mute settings for channels in channel List.
		Channel Bank Editor	***	- (Remark)	Assign the channels that will be included in the channel bank. • You can assign a channel number to an external input source in the channel editor. The channel number is added to the channel bank editor. Available for Hotel TVs when "Smooovie" is selected in the Standalone SI Vendor
		Mixed Channel Map	On / Off	ON	This Feature enables showing/browsing all antenna type (Air/Cable or Satellite) 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 / Off	OFF	• On : Check the DTV Programme channel number. (the DTV 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	On / Off	ON	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	On / Off	OFF	• On: If Pan EURO MHEG is set to Off, MHEG runs according to the existing product specifications. • Off: If Pan EURO MHEG is set to On, MHEG is ON regardless of the product specifications or region.
5	My Channel	My channel En	On / Off	OFF	Enable or disable the Mychannel feature.
		Genre Editor	***	-	Edit the genre for channels. (Available when Mychannel is On)
6	Menu OSD	Picture Menu Lock	On / Off	OFF	Enable or disable the Picture Menu.
		Menu display	On / Off	ON	Enable or disable the Menu. • On: Enable • Off: Disable

No	Item	Sub item	initial value		Description
				Standalone	
7	Operation	Panel Button Lock	Unlock / Lock / OnlyPower / Menu/ Source	Unlock	Turns the front panel (Local key) operation on/off. <ul style="list-style-type: none"> • Lock: Locks all panel keys • Unlock: Unlocks all panel keys • Only Power: Locks all keys except the power key (Panel Key). • Menu-Source: Locks only the Menu & Source keys
		Subtitle Auto On	On / Off	Off	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. <ul style="list-style-type: none"> • 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.
8	Music Mode	Music Mode AV	On / Off	OFF	Music Mode as the name suggests enables the hotel admin to audio from external sources such as AV/Comp/PC. While ON, guests can listen to the audio from the external sources, even if the video jack is not connected. If the video signal is connected, the TV will display the video content, else will o/p only audio. The TV Panel can be configured to completely turn OFF or show a speaker icon, by setting the backlight option.
		Music Mode Comp.	On / Off	OFF	
		Music Mode Backlight	On / Off	OFF	This feature when turned ON , enables the Audio icon to be visible by turning the TV panel backlight ON when Music mode for AV/PC/ Component is turned ON.

No	Item		Sub item	initial value	Description
				Standalone	
9	External Source	USB Media Mode	Default / Automatic / Disable	Default	<p>This feature is used to change the behaviour of USB devices when plugged in.</p> <ul style="list-style-type: none"> • Default : When this option is selected and we plug in a USB device, a popup window appears and the USB Media Play starts playing when you press Enter. • Automatic : If this option is selected, after plugging in a USB device, the USB Media Play starts automatically. • Disable : If this option is selected then popup windows as well as the automatic media play is disabled. You will receive no notifications when plugging in a USB device.
		External Source Banner	On / Off	ON	<p>Displays the External Source information when you change the TV source to external input. Press the info key and the TV turns on.</p> <ul style="list-style-type: none"> • 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 / PC / Off	OFF	<p>Auto Source is a function which allows the TV to automatically switch to a Connected Live source, once a Hotel guest connects any video source such as a Note PC, DVD player etc. without pressing any remote or panel key.</p> <ul style="list-style-type: none"> • On : All external sources except PCs will be applicable for Auto Switch • PC : only PCs source is applicable for Auto switch • Off : No sources will Auto Switch
		Anynet+Return Source	Power On Src / Last Source / Each model source list(AV1, COMP, PC, HDMI1...)	Power On Src	Select Return Source when disconnecting from AnyNet+
10	Eco Solution	Energy saving	Off / Low / Medium / High	OFF	<p>This feature adjusts the brightness of the TV to reduce power consumption.</p> <ul style="list-style-type: none"> • 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.
11	Logo/ Message	Welcome Message	On / Off	OFF	Display Welcome Message
		Edit Welcome Message	***	-	Edit Welcome Message
		Hospitality Logo	Off / BMP / AVI / BOTH	OFF	Select hospitality Logo type.
		Hospitality Logo DL	***	-	Download hospitality logo file from USB to TV.
		Logo Display Time	3 second / 5 second / 7 second	5 second	Set the logo display time.
12	Cloning	Clone TV to USB	***	-	Copies all settings of the TV to a USB device.
		Clone USB to TV	***	-	Copies all settings of the USB device to the TV.
		Setting Auto Initialize	On / Off	OFF	<p>When this option is kept ON, it restores the Picture Setting, Sound Setting and other user menu settings which were there in the clone files at every time the power is turned on. Therefore, if any guest changes the backlight or colour or any other user menu item, the default setting of the clone file is applied every time the power is turned on.</p>

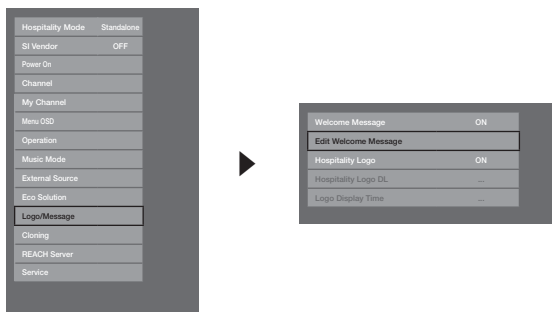
No	Item	Sub item	initial value	Description	
			Standalone		
13	REACH Server	REACH Server update Time	OFF / 1hour / 2hour / 12:00 am / 2:00 am / 12:00 pm / 2:00 pm	1hour	Select the SIRCH update Time. In the SIRCH update time , you have the option to perform an automatic upgrade at 12:00 AM/PM or at 2:00 AM/PM. You can perform hourly upgrades at an interval of either 1 hr or 2 hrs.
		REACH Update Immediate	On/Off	Off	<ul style="list-style-type: none"> On : Whenever the TV enters Standby mode, always performs the SIRCH Update Off : Only performs the SIRCH Update at the selected SIRCH Update Time
		REACH Server Channel	***	87	Select SIRCH Update Channel
		REACH Server Version	***	0000	Display the version of SIRCH Clone file currently updated in TV.
		REACH Server Group ID	All, 1 - 511	ALL	Select SIRCH Group ID
		S-LYNK REACH	On/Off	Off	Enable or Disable REACH Display
		S-LYNK REACH Volume	On/Off	On	<ul style="list-style-type: none"> On: The TV sound in the current TV source is continously outputted even though the S-LYNK REACH menu is displayed. Off: The TV sound in the current TV source is stopped when the S-LYNK REACH menu is displayed.
		TICKER	On/Off	Off	<ul style="list-style-type: none"> On: The TICKER contents is displayed. Off: The TICKER contents is not displayed.
14	Service	Self Diagnosis for TV	***	-	Enter Self Diagnosis Menu. <ul style="list-style-type: none"> Picture Test: Use to check for picture problems. If the problem appears in the test picture, select Yes and follow the directions on the screen. Sound Test: Use the built-in melody sound to check for sound problems. If the problem occurs during the test, select Yes and follow the directions on the screen.
		Upgrade Now	***		Upgrade the TV software.
		Service Pattern	***	-	Display Service pattern.
		TV Reset	***	-	Reset the TV

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

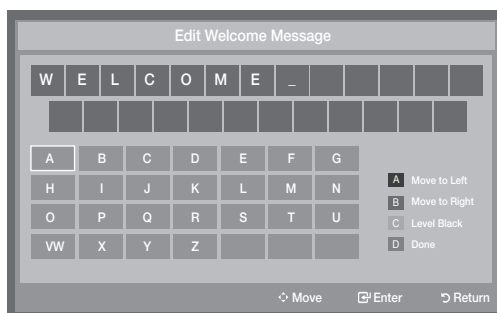
Welcome Message

Welcome message is a feature to display custom message on TV, every time TV is turned on by Guest in Hotel room.

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



- Welcome message can be of 25 characters and it can be edited by changing its text in Hotel Service menu.
- Following is the list of characters supported for Welcome message:
✎ In letters from A to Z only in capital letters is allowed.
- Welcome message can be edited by using navigation, color & enter key of a Remote in "Edit Welcome Message" OSD.

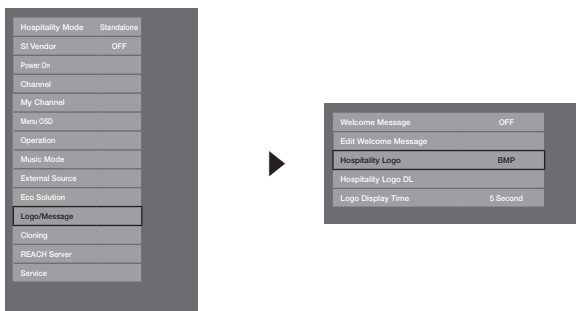


- Welcome message and hotel logo cannot be active at the same time.

Hospitality Logo

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

- Hospitality Logo settings are in 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 the memory and 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 Logo option is off, even if the logo image has been loaded into 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 OFF or ON.
- When set to ON, the Logo Download and Logo Time Display menu items become accessible.

- **Hospitality Logo DL**

- This option lets you download the logo image to the TV's memory from a USB device.
- Wait appears while the image is being copied to the TV.
- Completed appears when the copy operation has finished successfully.
- Failed appears when 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 you have a logo file on the USB device, check the file format.

- **Logo File Format**

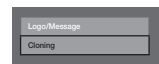
- The TV supports only the BMP and AVI format.
- The file name must be samsung.bmp or samsung.avi.
- The maximum resolution of the BMP format is 960 x 540.
- The maximum file size of AVI format is 30MB.
- The TV does not change the size or scale of the image.

Cloning


USB Cloning is a function to download user configured settings (**Picture, Sound, Input, Channel, Setup, and Hotel Setup**) from one TV set and upload the same to other TV sets.


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

- **Clone TV to USB:** It is an operation to copy the stored data from the specific area on the EEPROM 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 Hotel Options by pressing these buttons in the following order.
 - MUTE → 1 → 1 → 9 → ENTER
 3. Press the ▲ or ▼ button to select “Clone TV to USB”, then press the ENTER button.
 4. The message “Clone TV to USB” is displayed, then press the ENTER button.
 5. You can Make sure USB cloning behavior.
 - **In Progress:** during copying data to USB.
 - **Completed:** copy operation was finished successfully.
 - **Failed:** copy operation was not finished successfully.
 - **No USB:** any USB is not connected.



- **Clone USB to TV:** It is an operation to download the stored data in USB device to TV set.
 1. Insert a USB drive into the USB port on the rear of the TV.
 2. Enter the Hotel Options by pressing these buttons in the following order. MUTE → 1 → 1 → 9 → ENTER
 3. Press the ▲ or ▼ button to select “Clone USB to TV”, then press the ENTER button.
 4. The message “Clone USB to TV” is displayed, then press the ENTER button.
 5. You can Make sure USB cloning behavior.
 - **In Progress:** during copying data to TV.
 - **Completed:** copy operation was finished successfully.
 - **Failed:** copy operation was not finished successfully.
 - **No USB:** any USB is not connected.
 - **No File:** there is no file to copy in USB.

 The operation to copy from USB to TV can be executed by pressing ENTER key for 5 seconds.

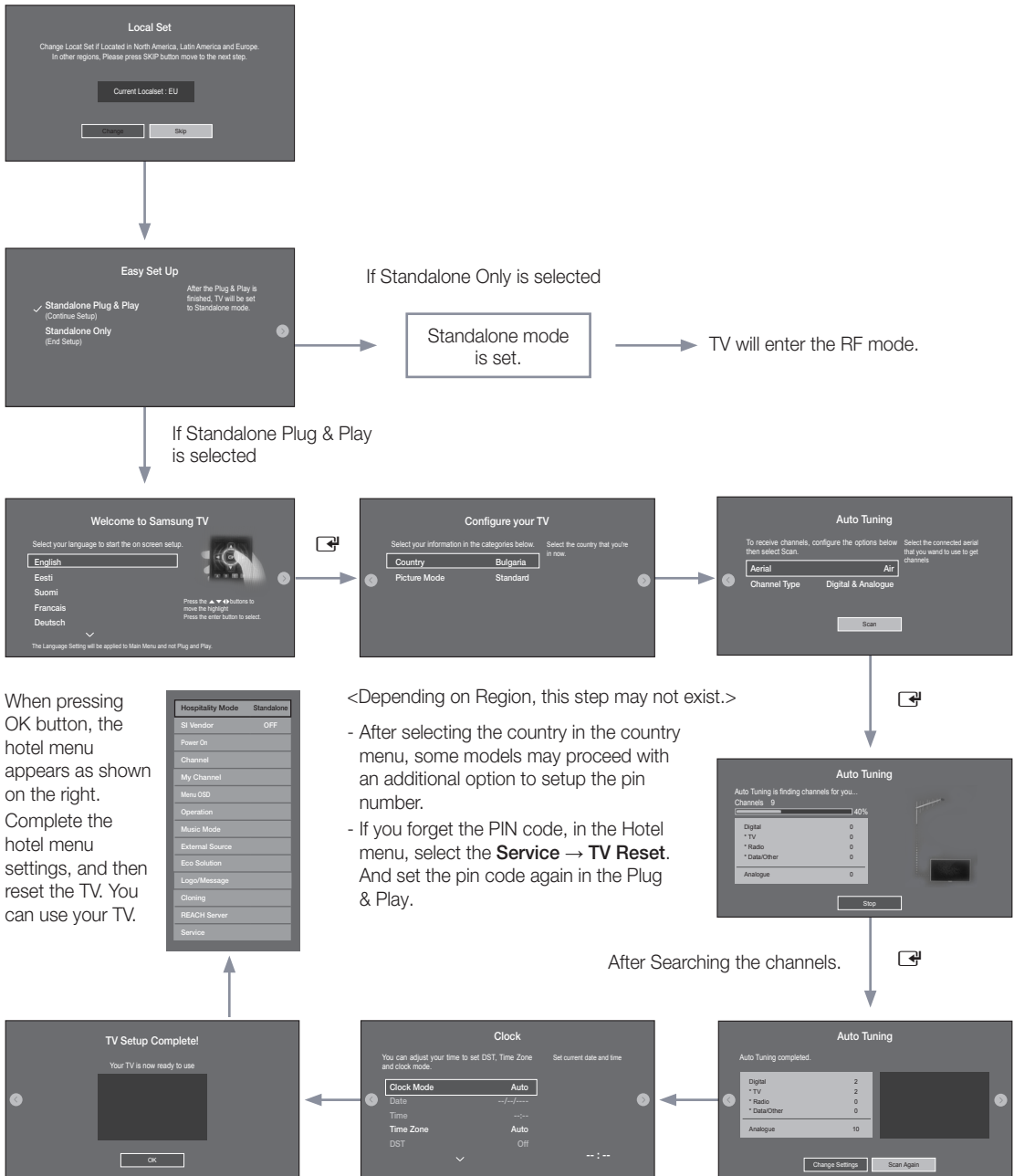
 The **CLONE** function only supports the same model series. (It does not work properly for different model series.)

For fast instant cloning during installation!
Insert USB key with master settings from first TV and press Enter key for 5 seconds.

Plug & Play

Hotel Plug & Play is a function that automatically performs the Hotel mode selection, Country Setup, Clock Setup and Picture mode Setup once.

- Hotel Plug & Play is available only one time when power is first turned ON.
- After setting up first TV and Clone TV to USB
- Next TV only needs to exit Hotel Plug & Play, connect USB, then Clone USB to TV.



1. LocalSet

- Check the **Current Localset**.
- If you want to change the localset, select the **Change**.
- If you select the **Skip**, the **Start** screen appears.

2. Start - Easy Set Up

- If you select the **Standalone Only**, the Standalone hotel mode is set by default.
- Select the **Standalone Plug & Play** to go next step.

3. Select the Language

- Select the desired OSD(On Screen Display) language.
- Display time: OSD timeout and operation are the same as Samsung's consumer TV models.

4. Select the Country and Picture Mode

- Select the appropriate country and picture mode.

5. Auto Tuning

- Select the desired antenna source and channel type. Configure the settings and select the **Scan**.
- The **Auto Tuning** operation starts searching for channels
- When the **Auto Tuning** operation is completed, the channel information is displayed.

6. Clock

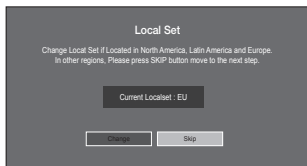
- Set the right time by setting the **DST**(Daylight Savings Time) and **Time Zone**.

7. TV Setup Complete

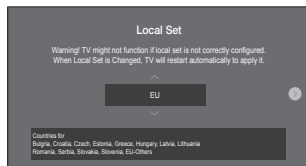
HD Plug & Play – Local Set

- Local Set is very important software setting value such as Languages, Broadcast frequencies, etc.
- TV might not function, if Local Set is not correctly configured. Select correct Local Set with country list provided.

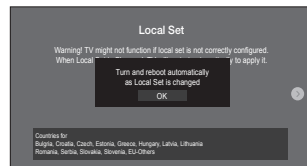
Local Set change option on the first page of HD plug&play



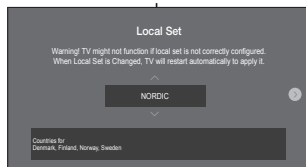
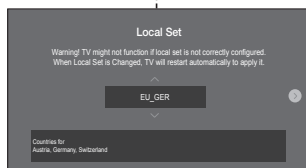
Select right Local Set with country list



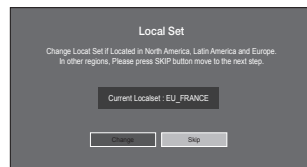
TV will reboot automatically to apply new Local Set



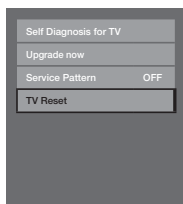
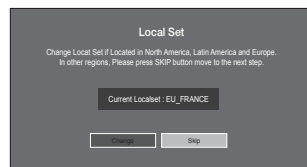
Region	Country	Local Set	
Europe	Bulgaria	EU	
	Croatia		
	Czech		
	Estonia		
	Greece		
	Hungary		
	Latvia		
	Lithuania		
	Romania		
	Serbia		
	Slovakia		
	Slovenia		
	EU Others		
	Italy		EU_ITALY
	Austria		EU_GER
	Germany		
	Switzerland		
	France		EU_FRANCE
	Belgium		EU_BELELUX
Luxembourg			
Netherlands			
Portugal	EU_SPAIN		
Spain			
United Kingdom	EU_UK		
Ireland			
Denmark		NORDIC	
Rinland			
Norway			
Sweden			
Turkey	EU_TURKEY		
Poland	EU_POLAND		
CIS	Kazakhstan	CIS_RUSSIA	
	Russia		
	Ukraine		



After reboot, updated Local Set is shown



Press Skip, general HD plug&play will be continued



If you need to change Local Set after HD plug&play, click TV Reset function on Factory mode, you can progress HD plug&play including Local Set change.



Multi Code Remocon

Multi Code Remocon is a special transmitter which is designed to control each TVs with one remote.

This function is useful where there is more than one TV in one location like hospital Set ID number will be displayed in source osd. It is possible to support up to 9 different remote key transmission for multi code.

Initial ID code which each TV has is "0".

- ID code could be set and reset in Analog TV mode or PC mode. (not available in TTX channel or DTV channel)
- ID code could be from 0 to 9.
- Press **RETURN + MUTE** Key for over 7 seconds and the digit key a user wants to set.
- Set ID OSD will be displayed in central position.
- The following words will be displayed. "Remote control code is set to x. If you want to change Remote control code. Enter the digit you want to change." (x is the digit number) This OSD will be kept displaying until exit key is input.



Remote control code is set to 0. If you want to change Remote control code, enter the digit you want to change.

- For example, TV and Remote will be set ID code #1 if user presses #1.
- The following words will be displayed. "Remote control code is changed to 1" Then TV can be controlled by only remote which has same ID code with TV's.
- If ID code does not match between remote and TV, the following words will be displayed. " TV ID x"(x is the TV's ID)
- To reset ID code, press **EXIT + MUTE** key for over 7 seconds. ID code of both TV and Remote will be reset to "0". "Remote control code is set to 0." will be displayed.
- The way to set or reset the ID may differ depending on remote control. See the table below.

Setting the Time



MENU → System → Time → Clock → Clock Set

- **The time is entered**
 - Press the remote control button to select **Clock** set and set up the time.

Time

Clock

Sleep Timer

Off

Wake-up Timer

Clock

Clock Mode

Manual

• Clock Set

• Time Zone

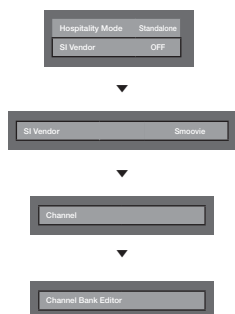
Auto

Channel Bank Editor (Smovie TV Only)

Channel Bank Editor is a function to edit the channel with 3 different Bank Options. Depending on the Bank card, there are specific channels Hotel customer 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 : "Smovie"
3. You will be able to find 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 the GREEN CARD.
 - c. Bank3 (Adult Card - Red): Select the channel that will be used when remote has the RED CARD.

Channel Bank Editor			
	Bank1 (4)	Bank2 (6)	Bank3 (36)
All	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
1 1futech	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1 BBC 1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2 24ore.tv	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2 C3	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3 BBC World	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3 C5	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4 Coming Soon	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4 S2	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

References of using SMOOVIE Remote Controller

- 1.If you select SMOOVIE as SI vendor, you should use SMOOVIE Remote Controller.
- 2.With Numeric key of remote controller, user can select only Bank1 channel.
In this reason, if you want to change the channel using Green or Red Card, please use channel up/down keys.
- 3.At the Channel guide or the Channel list, user can see only Bank1 channel list.

Channel Editor

Channel Editor is a function to edit channel number 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 Channel 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 TOOLS Button based on the table you compiled
5	Press EXIT or RETURN Button to exit.

<For better comprehension, please refer to the following details>

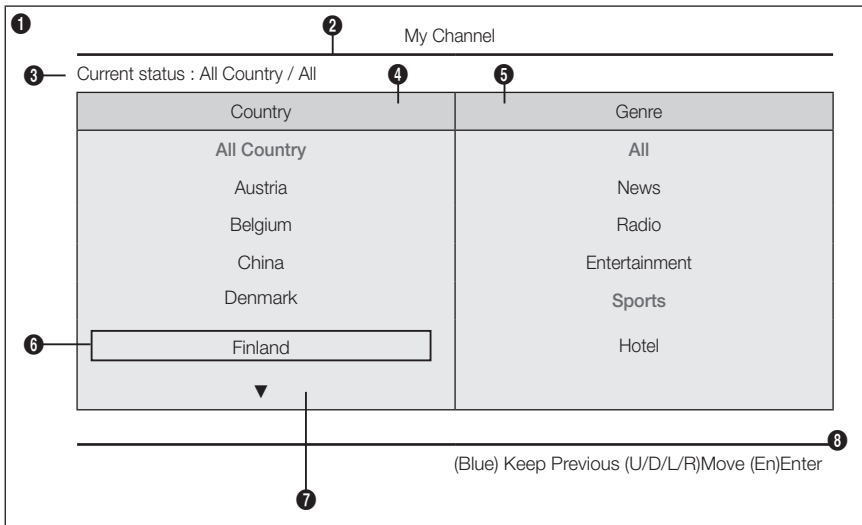
My Channel

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 cannot set a genre.
- If you select the genre that not added any channels, the Channel list displays all 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 the Hotel Menu > Service Mode and can be turned on or off.
- This option only works when it is set to On.
- This function is only available in the countries below;
AUSTRIA, BELGIUM, CHINA, DENMARK, FINLAND, FRANCE, GERMANY, GREECE, ITALY, JAPAN, NETHERLANDS, NORWAY, PORTUGAL, RUSSIA, SOUTH KOREA, SPAIN, SWEDEN, TURKEY, UK, USA.

Channel Composition [Genre Mode]

Standard	Category	Ch. Mode	Antenna Mode Activation		Description
			Air/Cable	Satellite	
Hotel	Genre	All (Default)	<input type="radio"/>	<input type="radio"/>	Provides a genre channel mode for each country that master has managed in factory mode.
		News	<input type="radio"/>	<input type="radio"/>	
		Radio	<input type="radio"/>	<input type="radio"/>	
		Entertainment	<input type="radio"/>	<input type="radio"/>	
		Sport	<input type="radio"/>	<input type="radio"/>	
		Hotel	<input type="radio"/>	<input type="radio"/>	



* 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
ENTER	Selects an item.	Enter
^ CH v	Move the highlight by page.	(No Guide)
▲/▼	Navigates each country, genre list (in a circular manner).	Move
▶	Selects the highlighted item and then moves the highlight to the 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)

 Notes

- 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 of each country.
- The broadcast screen that was being displayed the last memorial channel.
 - If a user wants to keep the previous country & genre channel map, press 'BLUE', RETURN, and the 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	<ul style="list-style-type: none">• Displays the last memorized channel when the TV is turned on.
2	Function Title	<ul style="list-style-type: none">• This is name of the function.
3	Current Status	<ul style="list-style-type: none">• Displays the current Country/Genre settings.
4	Country Items	<ul style="list-style-type: none">• The items for the country list are displayed.• Displays the last selected country.
5	Genre Items	<ul style="list-style-type: none">• The items for the genre list are displayed.• Displays available genre items for each country that master managed in factory mode (always provide the 'All' item).• Displays the last selected genre.
6	Highlight	<ul style="list-style-type: none">• If the item title is too long to be displayed in the area, Auto Text Sliding works.
7	Indicator	<ul style="list-style-type: none">• This is displayed when there is a previous or next page.
8	Nav. Help	<ul style="list-style-type: none">• The key guide is aligned to the right.

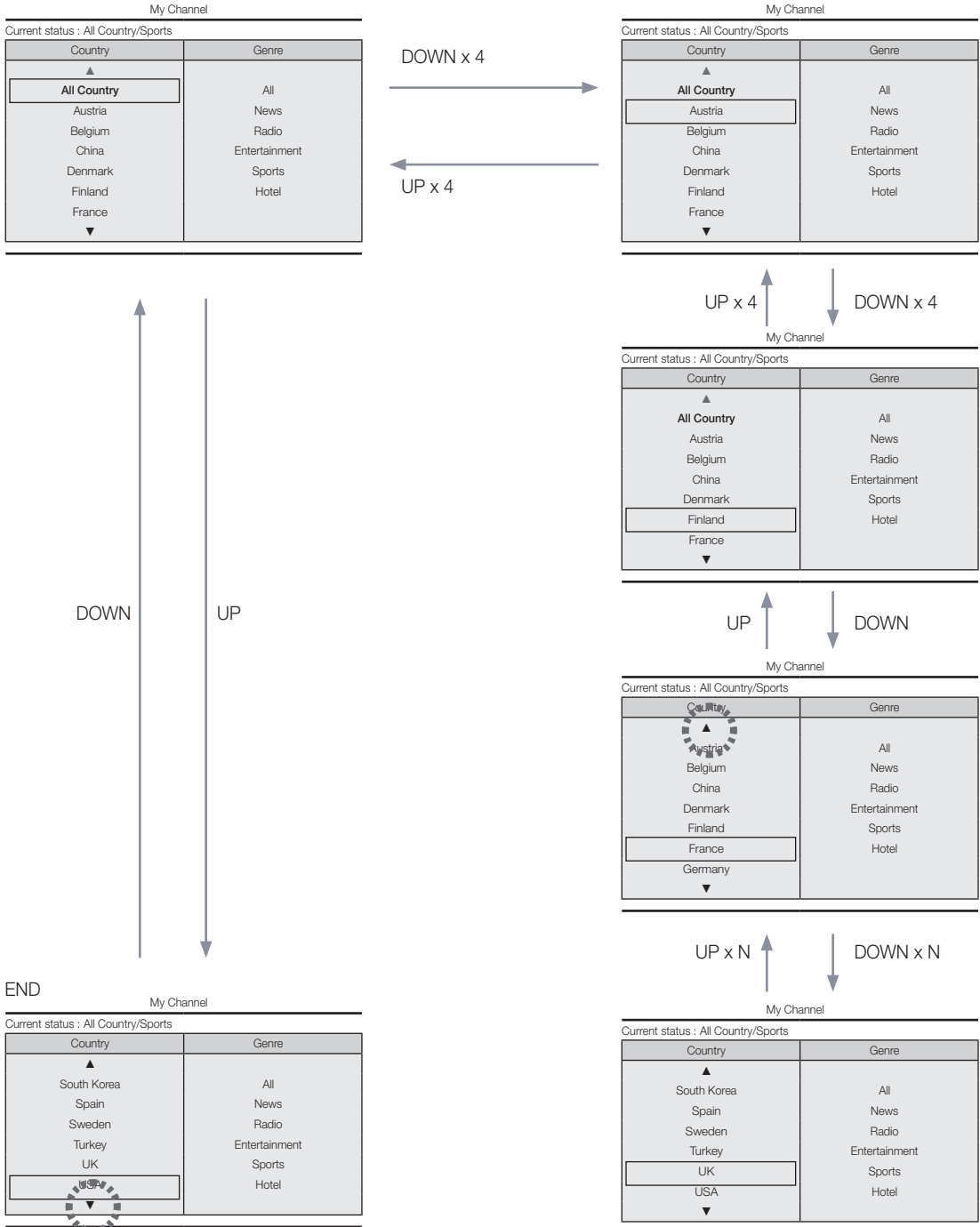
Highlight Interaction [Country Items]

- This page is only for interaction. Each screen may not be exactly identical to the actual one.

Notes

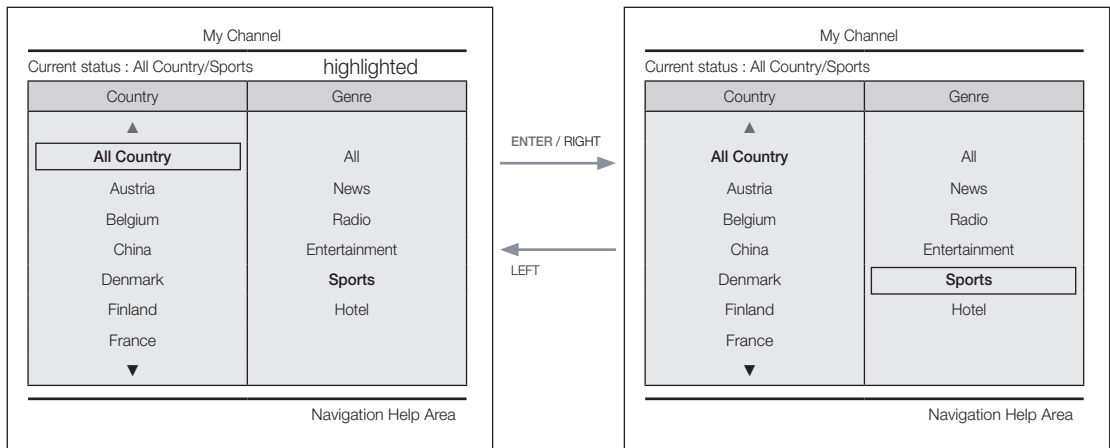
- Users can navigate the list items in each country & genre list by pressing the up or down remote control keys.
- Circular navigation is supported.

1



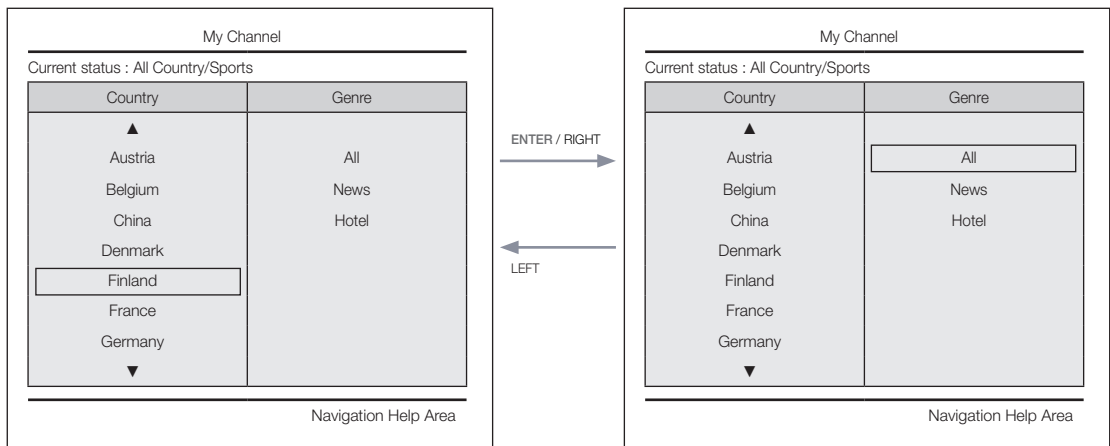
Highlight Interaction [Default Genre]

- This page is only for interaction. Each screen may not be exactly identical to the actual one.



- The current selection of the country is highlighted.

- Default Highlight: The current genre selection.



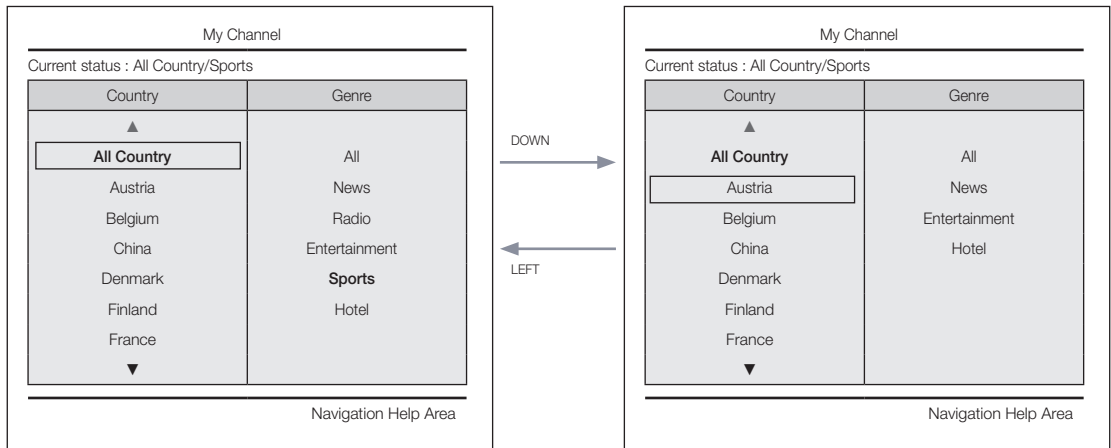
- The next other item of the county is highlighted (ex. France)

- Default Highlight : All

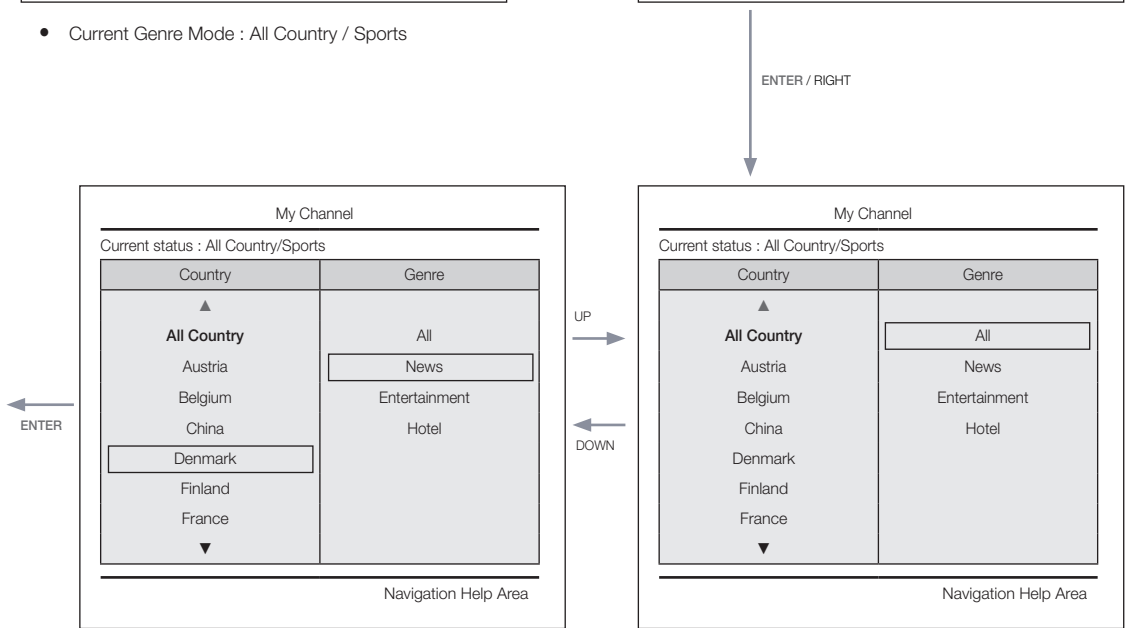
Mode Change Interaction 1 (1/2)

- This page is only for interaction. Each screen may not be exactly identical to the actual one.

1



- Current Genre Mode : All Country / Sports



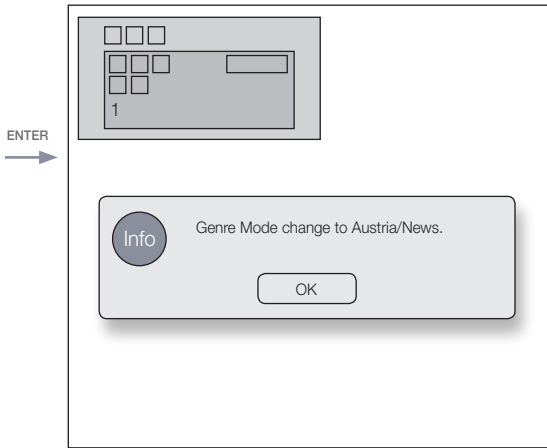
- If the country is selected, the highlight moves to the genre menu automatically.

6

Mode Change Interaction 1 (2/2)

- This page is only for interaction. Each screen may not be exactly identical to the actual one.

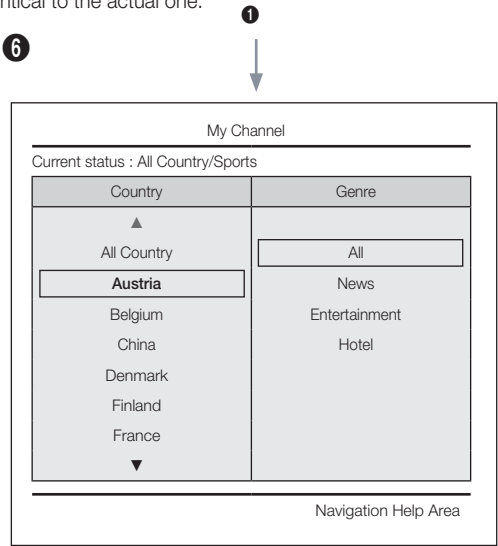
5



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



6

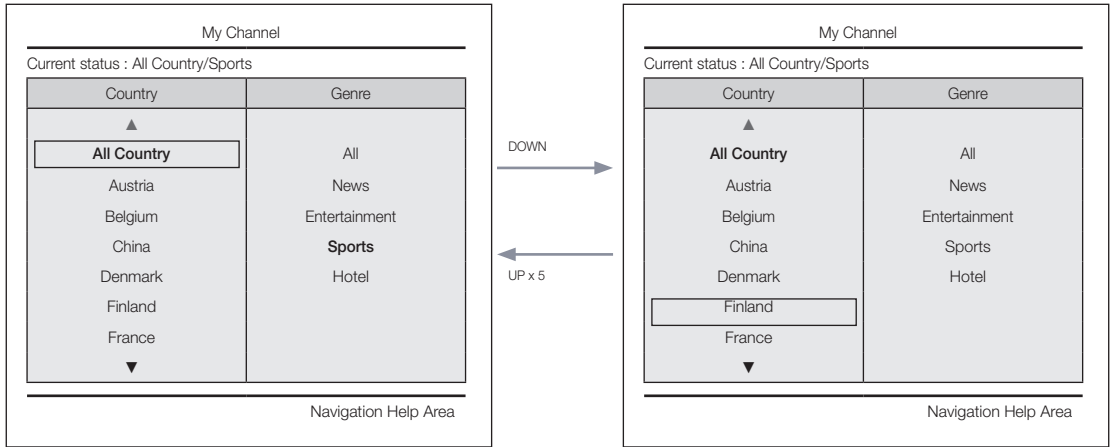


- If the left key is pressed from the genre to the country menu, an existing selected country item is highlighted.

Mode Change Interaction 2 (1/2)

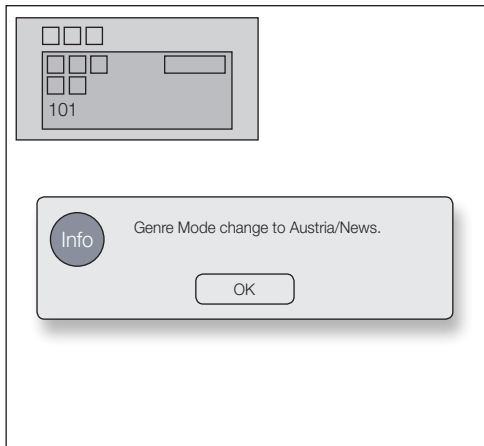
- This page is only for interaction. Each screen may not be exactly identical to the actual one.

1

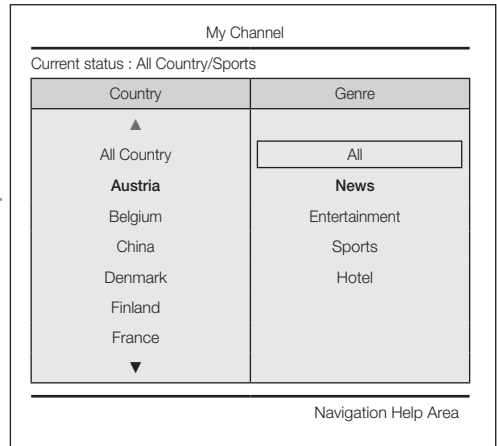


- Current Genre Mode : All Country / Sports

ENTER / RIGHT



BLUE / RETURN / EXIT



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

ENTER / RETURN / Timeout

5

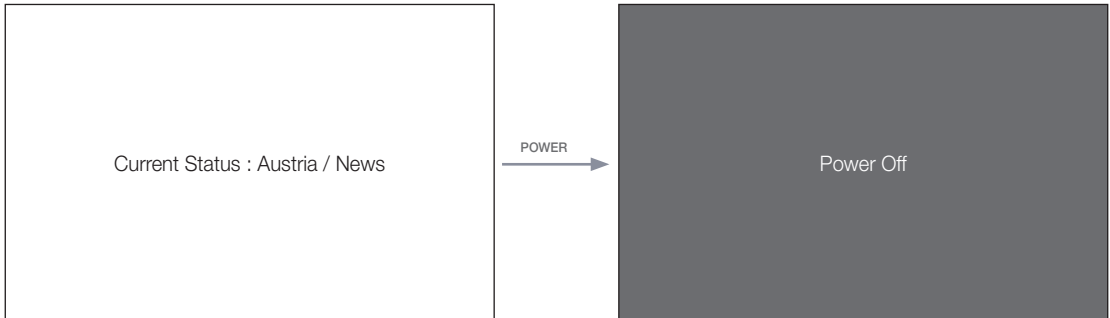


- Current Genre Mode : All Country / Sports

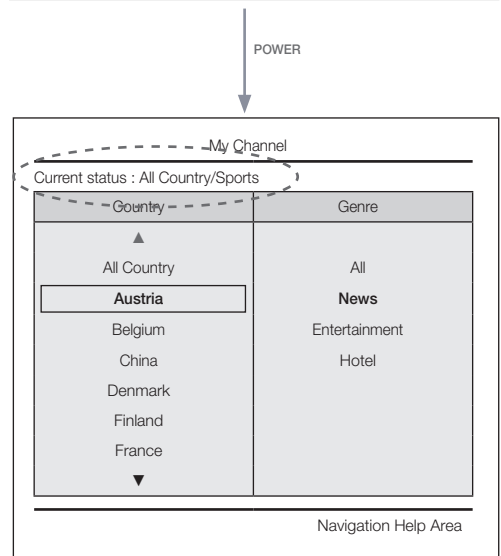
Power On Scenario [Last Memory]

- This page is only for interaction. Each screen may not be exactly identical to the actual one.

1



- Current Genre Mode : Austria / News

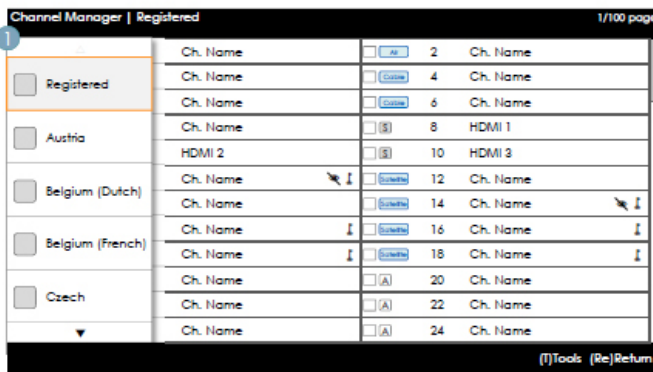


- Current Genre Mode : Austria / News

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 for 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 menu. 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
ENTER	Selects or enters the corresponding Channel Browser area.	(No Guide)
RETURN	Selects or enters the corresponding Channel Browser area.	Return
▲ / ▼	Moves the highlight up or down.	(No Guide)
▶	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)

Notes

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

Etc.

- Default Highlight: 'The currently selected country'

Notes

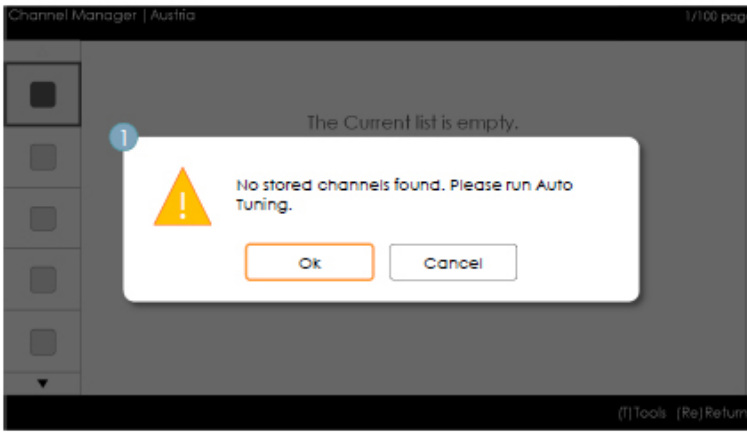
- This is a definition of the Tools menu in the Left Frame Category.
- Only the Info item for each Register/Country is provided.

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

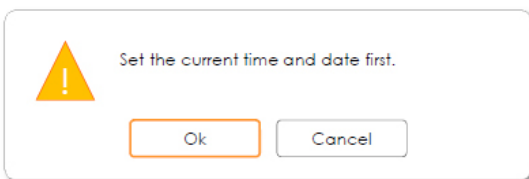


Notes

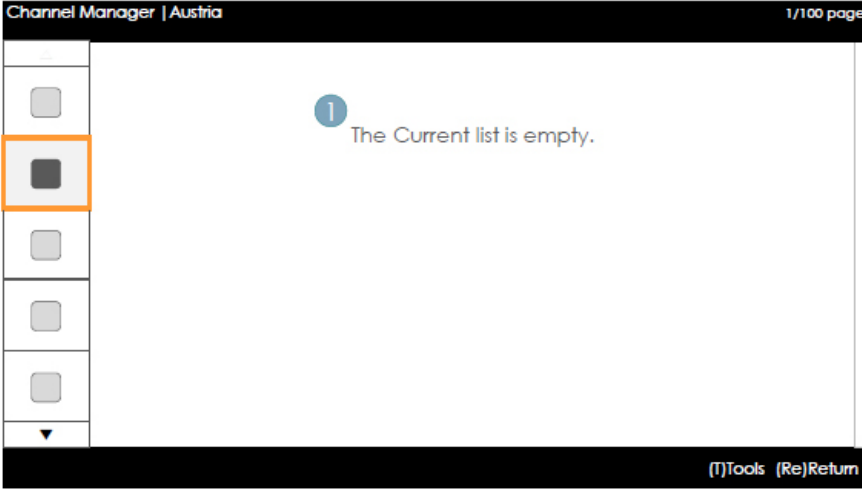
- This is the message when there are no saved channels in the Registered Channels list.

Elements

No	Name	Description
1	Message	<ul style="list-style-type: none">• 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 Programme) 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.



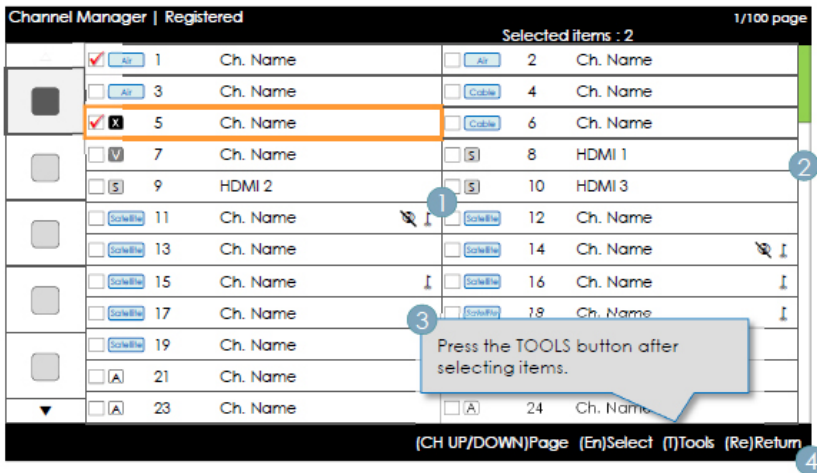
Notes

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

Elements

No	Description	Description
		<ul style="list-style-type: none"> • 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 v	Moves the page.	Page
ENTER	Selects or enters the corresponding Channel Browser area.	Select
RETURN	Returns to the previous step (Factory Mode).	Return
▲/▼	Moves the highlight up or down.	(No Guide)
▶	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)

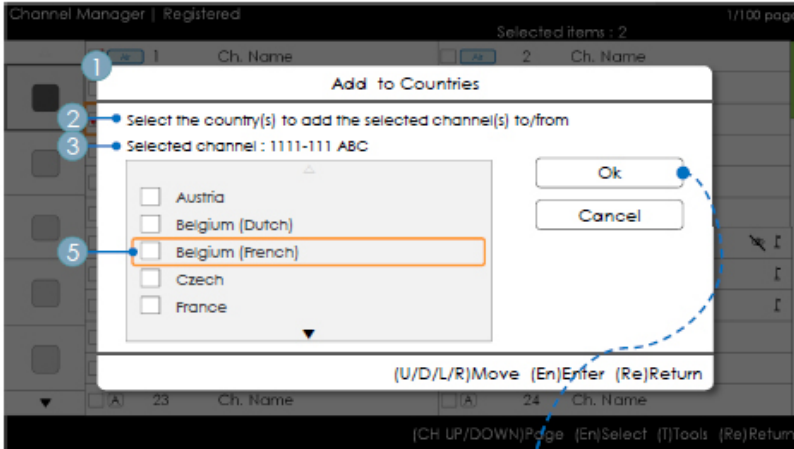
Notes

- 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.

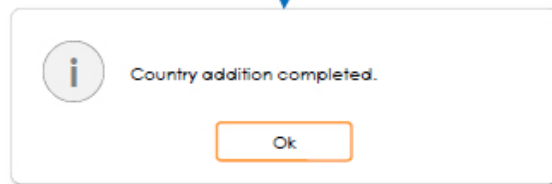
Elements

No	Name	Description
1	Main Frame	<ul style="list-style-type: none"> • Shows the channel or the source list of the currently selected category.
2	Scroll Bar	<ul style="list-style-type: none"> • Shows the position of the current page amongst the total amount of pages.
3	Navigation Help Area	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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.

Add to Countries / Edit Countries (1/2)



- Channel Manager > Browser > Tools > Add to Countries



Key Guide

Button	Action	Nav. Help
ENTER	Selects the highlighted item.	Enter
RETURN	Cancels and returns to the previous screen (Tools).	Return
▲/▼	Moves the highlight over country items.	Move
◀/▶	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.

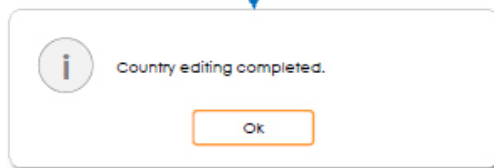
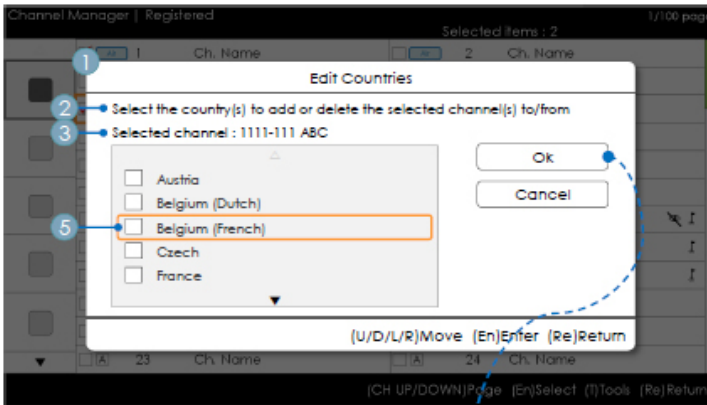
Etc.

- Timeout (60 sec)

Elements

No	Name	Description
1	Add to Countries Window	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • The number of the selected channel or the channel name. - 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	<ul style="list-style-type: none"> • The message is displayed after the completion of the operation. (This message is always displayed if the OK button is selected.)
5	Selection Mark	<ul style="list-style-type: none"> • How to identify the meaning of multiple channel selection marks <input checked="" type="checkbox"/> • When all of the items have been registered. <input type="checkbox"/> • When only part of the items have been registered. <input type="checkbox"/> • When none of the items have been registered.

Add to Countries / Edit Countries (2/2)



Key Guide

Button	Action	Nav. Help
ENTER	Selects the highlighted item.	Enter
RETURN	Cancels and returns to the previous screen (Tools).	Return
▲/▼	Moves the highlight over country items.	Move
◀/▶	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)

Notes

- 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.

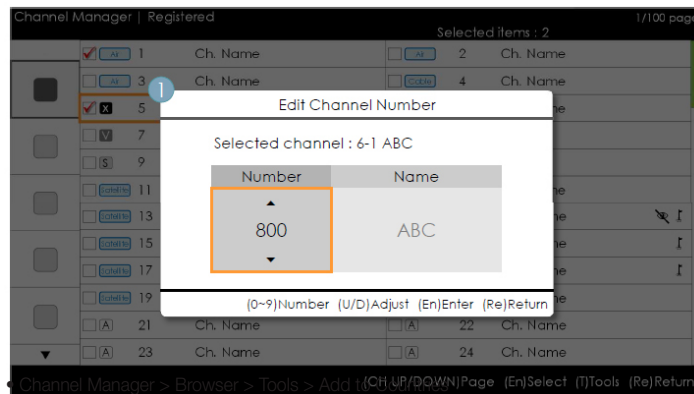
Etc.

- Timeout (60 sec)

Elements

No	Name	Description
1	Add to Countries	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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
ENTER	Applies the changes and closes the window.	Enter
RETURN	Cancel 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	Cancel and returns to the previous step (Factory Mode).	(No Guide)

Notes

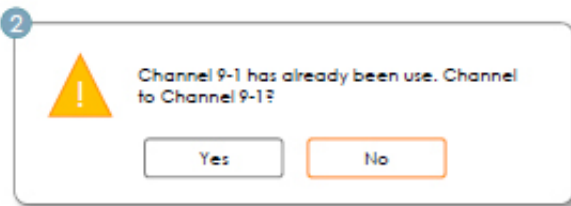
- This is the definition of the function that changes the channel number (Swap Type).
- Channel numbers can be changed in all channel lists and changes are applied to all channels.
- If the new channel number has not been allocated to another channel, the channel number is updated to the new channel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

Etc.

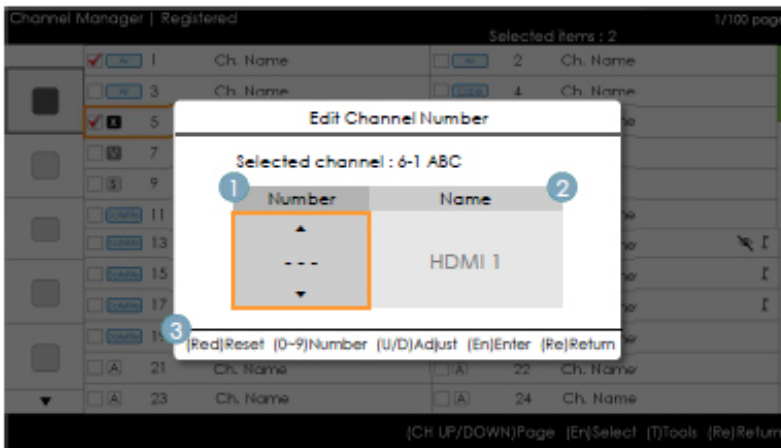
- Vertical circulation is supported.

Elements

No	Name	Description
1	Edit Channel Number Window	<ul style="list-style-type: none">• Both the numeric keys and the Up/Down keys are supported.<ul style="list-style-type: none">– 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	<ul style="list-style-type: none">• If an already allocated channel is selected<ul style="list-style-type: none">– 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
ENTER	Applies the changes and closes the window.	Enter
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)

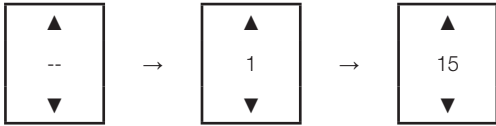
Notes

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

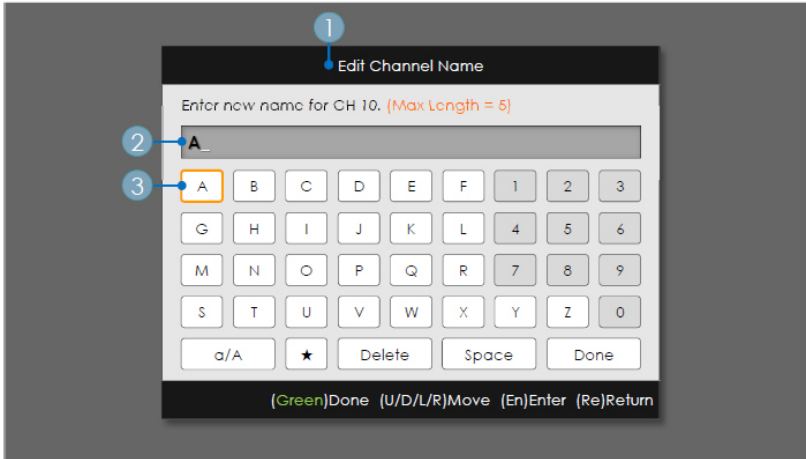
Etc.

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

Elements

No	Name	Description
1	Channel Number Area	<ul style="list-style-type: none"> • The channel number area. <ul style="list-style-type: none"> – 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	<ul style="list-style-type: none"> • External input name <ul style="list-style-type: none"> – Items that cannot be configured are disabled.
3	Nav. Help Area	<ul style="list-style-type: none"> • 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
ENTER	Saves the channel name and moves the cursor to the next field.	Enter
RETURN	Cancels and returns to the previous screen (Tools).	Return
▲/▼/◀/▶	Navigates via 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)

Notes

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

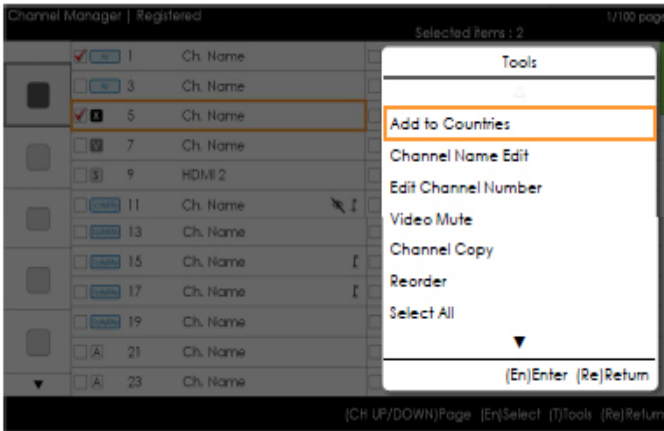
Etc.

- Timeout (60 sec)

Elements

No	Name	Description
1	Channel Name Edit Window	
2	Channel Name	<ul style="list-style-type: none"> • The cursor and the character currently being entered are in the colour of the highlight. • When the maximum number of characters is reached, the cursor is not displayed.
3	Keyboard	<ul style="list-style-type: none"> • For a detailed scenario, refer to the keypad design document.

Tools [Edit Mode]

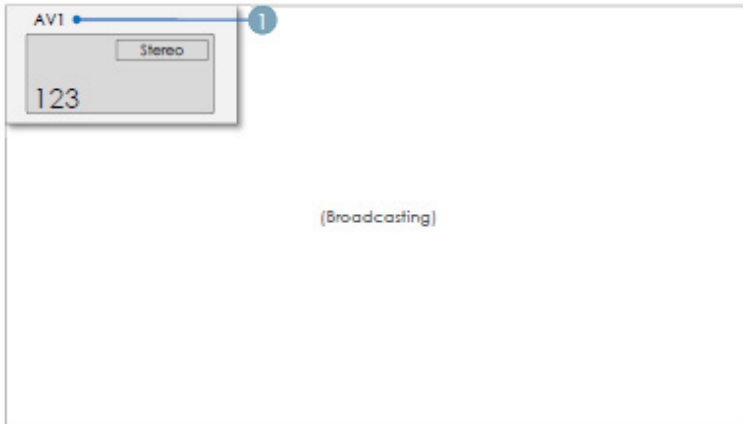


Edit Mode	
Content Highlight (when the number of the checked item is 0 or 1)	When there is more than one checked item.
Add to Countries Edit Countries (when an already-registered item is checked.) Channel Name Edit Edit Channel Number Video Mute Channel Copy (Astra HD +) Reorder (Satellite) Select All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

Notes

- This is the definition of the Tools menu.
- 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 the detailed specifications of each function, refer to the NEO Channel Manager.

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



Notes

- 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 some functions of the GenreTV.

- Country Mode
- Changes the genre mode.

Mixed Channel Map

Mixed Channel Map is a function to mix Air, Cable and Setellite channels.

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

Sound Bar

• Samsung Sound-Bar & Hospitality TV in 2013

- Samsung Sound-Bar & hospitality TV support HDMI 1.4, so you can listen to TV's sound on Sound-Bar by using single HDMI cable.
- Supporting model.
 - Sound-Bar : HW-E350/E450/E550

• The operation of "Hotel mode" in Sound Bar

- The following items of TV's hotel option menus should be set in advance.
 - Hotel option → Power On → Power ON Volume = "Enable" / Power ON Vol / Max Vol
 - Hotel option → External Device → Sound Bar Out = "On"
- After being connected to the 2013 hospitality TV via HDMI Cable, while TV turns on, Sound-Bar automatically detects TV and then, will be converted to "hotel mode" by itself.
- The change with power-on volume & max volume on TV is applied to the connected sound-bar since TV boots twice.

- **Features of "Hotel MODE" in Sound-BAR**

- Synchronized power on/off with TV.
- HDMI_CEC enabled.
- Accessible "HDMI OUT" port only. (Other inputs are disabled)
- Synchronized "power-on"&"max" volume with TV's one. (Sound-Bar's volume is set as the half of TV's one)
- Adjustable "power-on"&"max" volume acquired from TV's hotel option menu. (Sound-Bar volume=TV volume/2)
Ex.) If the volume settings in TV are "power-on volume=20 and max volume=90", Sound bar will work as power-on volume=10, max volume=45.


*This function may differ depending on the model.

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 advice 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)

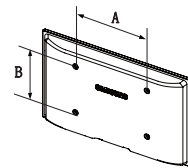
 Wall mount kit is not supplied but sold separately.

Install your wall mount on a solid wall perpendicular to the floor. When attaching to other building materials, please contact your nearest dealer. If installed 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 the VESA standard screw specifications.
- Do not use screws longer than the standard dimension, as they may cause damage to the inside of the TV set.
- For wall mounts that do not comply with the VESA standard screw specifications, the length of the screws may differ depending on their specifications.
- Do not fasten the screws too strongly, 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 15 degrees tilt when mounting this TV.

inches	VESA Spec. (A * B)	Standard Screw	Quantity
19~22	75 X 75	M4	4
26~28	100 X 100		
32~42	200 X 200	M8	
46~60	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

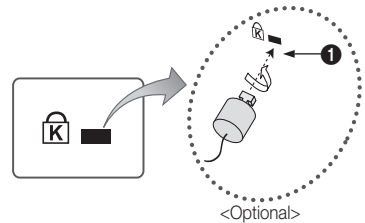
- Put the screws into the clamps and firmly fasten them onto the wall. Confirm that the screws have been firmly installed onto the wall.
 - You may need additional material such as an anchor depending on the type of wall.
 - Since the necessary clamps, screws, and string are not supplied, please purchase these additionally.
- 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.
- 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.
- Verify 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 a “” icon on the rear of the TV. A Kensington slot is beside the “” icon.
- Wrap the Kensington lock cable around a large, stationary object such as desk or chair.
 - Slide the end of the cable with the lock attached through the looped end of the Kensington lock cable.
 - Insert the locking device into the Kensington slot on the product (❶).
 - 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 its model.



Specifications

Items		Specification	Comment
TV System		PAL, SECAM DVB-TC	
Audio out	Speaker out	28inch /32inch : 5W X 2 39inch : 10W X 2	
Input	Component	Y, Pb, Pr, Audio-L/R	
	A/V	Audio Video Jack	
	HDMI	Compatible with the HDMI Specifications	
	Antenna	75 ohm Unbalanced, Din Jack	
Operating temperature		10°C ~ 40°C (50°F ~ 104°F)	
Operating Humidity		10% ~ 80%	non-condensing
Storage Temperature		-20°C ~ 45°C (-4°F ~ 113°F)	
Storage Humidity		5% ~ 95%	non-condensing

 Design and specifications are subject to change without prior notice.

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

 The above specifications may differ depending on the model.



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

Supported Video Formats

File Extension	Container	Video Codec	Resolution	Frame rate (fps)	Bit rate (Mbps)	Audio Codec
*.avi / *.mkv *.asf / *.wmv *.mp4 / *.3gp *.vro / *.mpg *.mpeg / *.ts *.tp / *.trp *.mov / *.flv *.vob / *.svi *.divx	AVI	DivX 3.11/4.x/5.x/6.x	1920 x 1080	6-30	30	AC3 LPCM ADPCM (IMA, MS) AAC HE-AAC WMA DD+ MPEG (MP3) DTS (Core) G.711(A-Law, μ-Law)
	MKV	MPEG4 SP/ASP				
	ASF	MPEG4 SP/ASP				
	MP4	H.264 BP/MP/HP	640 x 480		8	
	3GP	Motion JPEG				
	MOV	Window Media Video v9	1920 x 1080		30	
	FLV	MPEG2				
	VRO	MPEG1				
	VOB		VP8			
PS						
TS						
*.webm	WebM	VP8			20	Vorbis

Other Restrictions

- Video content will not play, or not play correctly, if there is an error in the content or the container.
- Sound or video may not work if the contents have a standard bit rate/frame rate above the compatible Frame/sec listed in the table.
- If the Index Table is in error, the Seek (Jump) function is not supported.
- Some USB/digital camera devices may not be compatible with the player.
- The menu can be displayed late if the video is over 10Mbps(bit rate).

Video decoder	Audio decoder
<ul style="list-style-type: none"> • Supports up to H.264, Level 4.1 (FMO/ASO/RS are not supported.) • frame rate : <ul style="list-style-type: none"> - Below 1280 x 720: 60 frame max - Above 1280 x 720: 30 frame max • VC1 AP L4 is not supported. • GMC 2 or higher is not supported. 	<ul style="list-style-type: none"> • WMA 10 Pro supports up to 5.1 channel and M2 profile. • WMA lossless audio is not supported. • Vorbis supports up to 2ch. • DD+ supports up to 5.1 channel.

Supported Subtitle Formats

• External


Name	File extension
MPEG-4 timed text	.txt
SAMI	.smi
SubRip	.srt
SubViewer	.sub
Micro DVD	.sub or .txt
SubStation Alpha	.ssa
Advanced SubStation Alpha	.ass
Powerdivx	.psb

• Internal

Name	Container	Format
Xsub	AVI	Picture Format
SubStation Alpha	MKV	Text Format
Advanced SubStation Alpha	MKV	Text Format
SubRip	MKV	Text Format
MPEG-4 Timed text	MP4	Text Format

Supported Photo Formats

File Extension	Type	Resolution
*.jpg *.jpeg	JPEG	15360 X 8640
*.bmp	BMP	4096 X 4096
*.mpo	MPO	15360 X 8640

 The MPO type file does not support Zoom, Rotate and Slide Show Effect functions.

Supported Music Formats

File Extension	Type	Codec	Remark
*.mp3	MPEG	MPEG1 Audio Layer 3	
*.m4a *.mpa *.aac	MPEG4	AAC	
*.flac	FLAC	FLAC	Supports up to 2ch.
*.ogg	OGG	Vorbis	Supports up to 2ch.
*.wma	WMA	WMA	WMA 10 Pro supports up to 5.1 channel and M2 profile. (WMA lossless audio is not supported.)
*.wav	wav	wav	
*.mid *.midi	midi	midi	type 0 and type 1



Contact SAMSUNG WORLDWIDE

If you have any questions or comments relating to Samsung products, please contact the SAMSUNG customer care center.

Country	Customer Care Centre ☎	Web Site
AUSTRIA	0810 - SAMSUNG (7267864, € 0,07/min)	www.samsung.com
BELGIUM	02-201-24-18	www.samsung.com/be (Dutch) www.samsung.com/be_fr (French)
BOSNIA	051 133 1999	www.samsung.com
BULGARIA	07001 33 11, normal tariff	www.samsung.com
CROATIA	062 SAMSUNG (062 726 786)	www.samsung.com
CZECH	800 - SAMSUNG (800-726786) Samsung Electronics Czech and Slovak, s.r.o., Oasis Florenc, Sokolovská 394/17, 180 00, Praha 8	www.samsung.com
DENMARK	70 70 19 70	www.samsung.com
FINLAND	030-6227 515	www.samsung.com
FRANCE	01 48 63 00 00	www.samsung.com/fr
GERMANY	0180 5 SAMSUNG bzw. 0180 5 7267864* (*0,14 €/Min. aus dem dt. Festnetz, aus dem Mobilfunk max. 0,42 €/Min.)	www.samsung.com
CYPRUS	From landline : 8009 4000 From landline & mobile : (+30) 210 6897691	www.samsung.com
GREECE	From landline : 80111-SAMSUNG (7267864) From landline & mobile : (+30) 210 6897691	www.samsung.com
HUNGARY	06-80-SAMSUNG(726-7864)	www.samsung.com
ITALIA	800-SAMSUNG(726-7864)	www.samsung.com
LUXEMBURG	261 03 710	www.samsung.com
MONTENEGRO	020 405 888	www.samsung.com
NETHERLANDS	0900-SAMSUNG (0900-7267864) (€ 0,10/Min)	www.samsung.com
NORWAY	815 56480	www.samsung.com
POLAND	0 801-1SAMSUNG(172-678) * lub +48 22 607-93-33 ** * (całkowity koszt połączenia jak za 1 impuls według taryfy operatora) ** (koszt połączenia według taryfy operatora)	www.samsung.com/pl
PORTUGAL	808 20-SAMSUNG (808 20 7267)	www.samsung.com
ROMANIA	08008 SAMSUNG (08008 726 7864) TOLL FREE No.	www.samsung.com
SERBIA	+381 11 321 6899 (old number still active 0700 7267864)	www.samsung.com
SLOVAKIA	0800 - SAMSUNG (0800-726 786)	www.samsung.com/sk
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