

6900 Hotel
6000 Hotel

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.

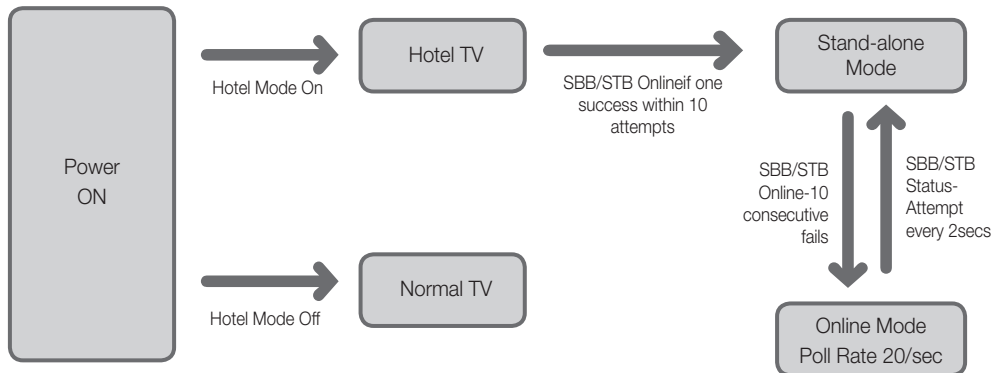
Stand-Alone: If SBB/STB is not identified, the TV should be switched to STAND-ALONE mode with restricted operation.

IPTV: IPTV mode will be started if IPTV is set to On in Stand-Alone mode.

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 16-19 (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.

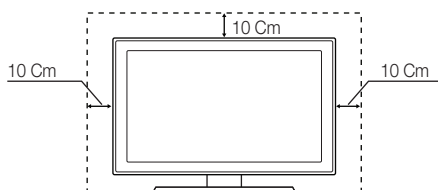
Failing to do so may result in fire or a problem with the product due to an increase in the internal temperature of the product.

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

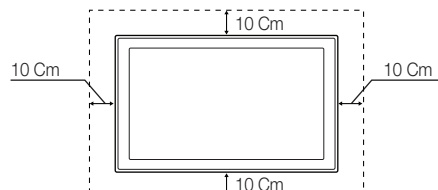
- If you use parts provided by another manufacturer, it may result in a problem with the product or an injury due to the product falling.

The appearance may differ depending on the product.

Installation with a stand.



Installation with a wall-mount.



Contents

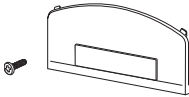
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Accessories

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 models.

- Remote Control & Batteries (AAA x 2)
- Owner's Instructions
- Warranty Card / Safety Guide (Not available in some locations)
- Cleaning Cloth
- Power Cord
- Data Cable



• Blanking Bracket & Screw (1EA)



• Holder-Ring (4EA)



• Holder-Wire stand



• Holder-Wire (3EA)



• Power Cord Clamp



• Cable Tie



• Component Adapter



• AV Adapter
(Aus, NZ, Singapore : 2EA,
EU, Central Africa : 1EA)



• Audio out Adapter
(EU, Central Africa only)

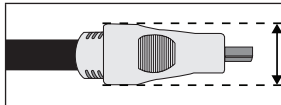


• SCART Adapter
(EU, Central Africa only)



• Component Sound in
Adapter

For best cable connection to this product, be sure to use cables with a maximum thickness as below:

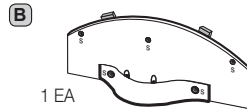
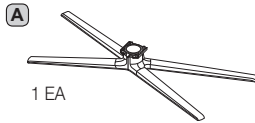


- Maximum thickness - 0.55 inches (14mm)

Install the Stand (6900 Hotel)

Components

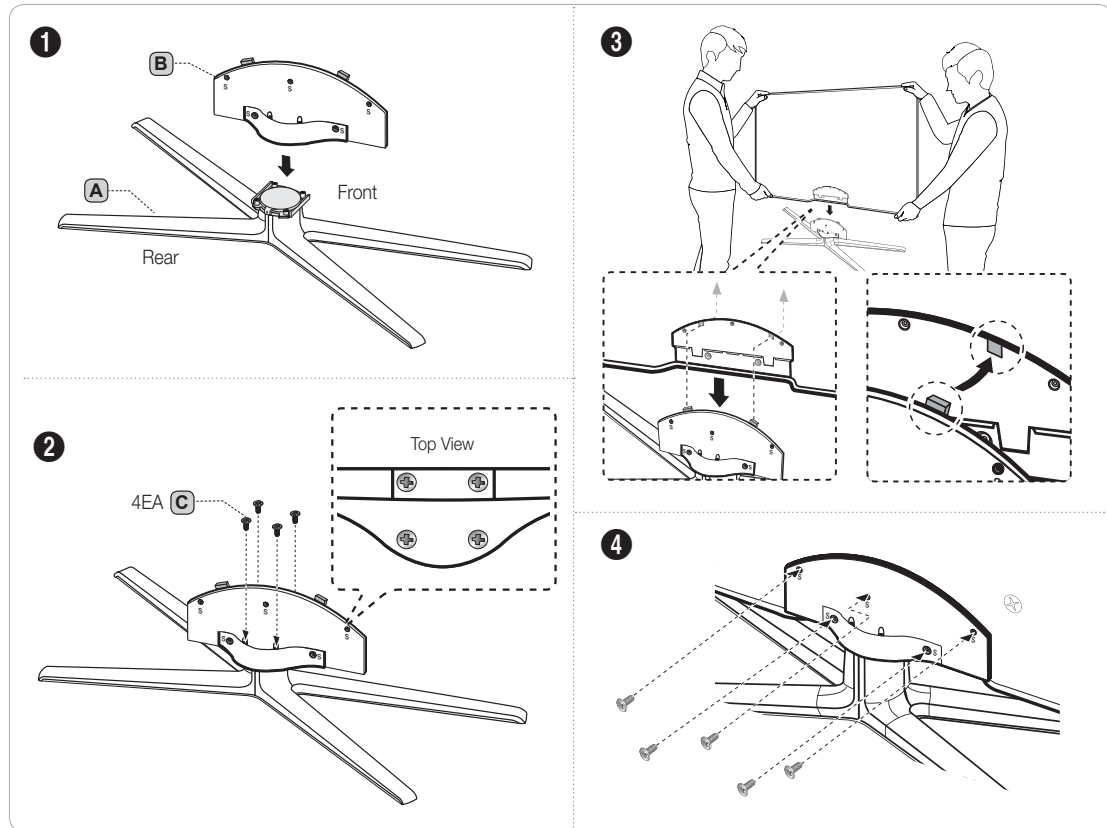
When installing the stand, use the provided components and parts.



• Stand

• Guide Stand

• Screws



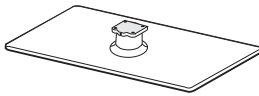
NOTE

- 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 LED TV.
- Stand the product up and fasten the screws.
If you fasten the screws with the LED TV placed down, it may lean to one side.

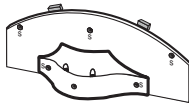
Install the Stand (6000 Hotel)

Component

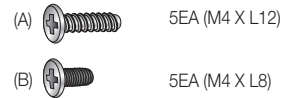
When installing the stand, use the provided components and parts.



Stand (1EA)

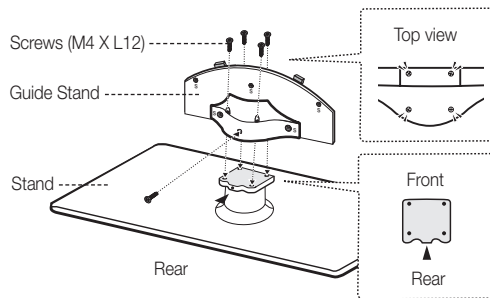


Guide Stand (1EA)

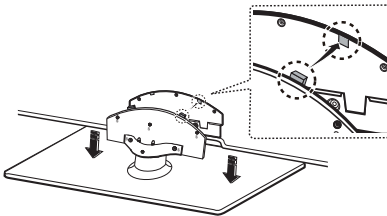


Screws (10EA)

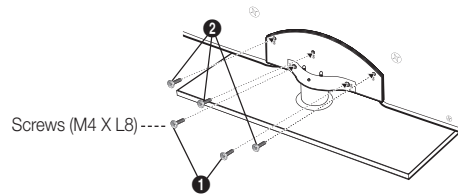
Follow the steps below to connect the TV to the stand.



1. Connect the Guide Stand to the Stand using five screws (M4 X L12) as shown.



2. With your TV upright, connect the TV to the Stand as shown.



3. Fasten two screws (M4 X L8) at position ①, and then fasten three screws (M4 X L8) at position ②.

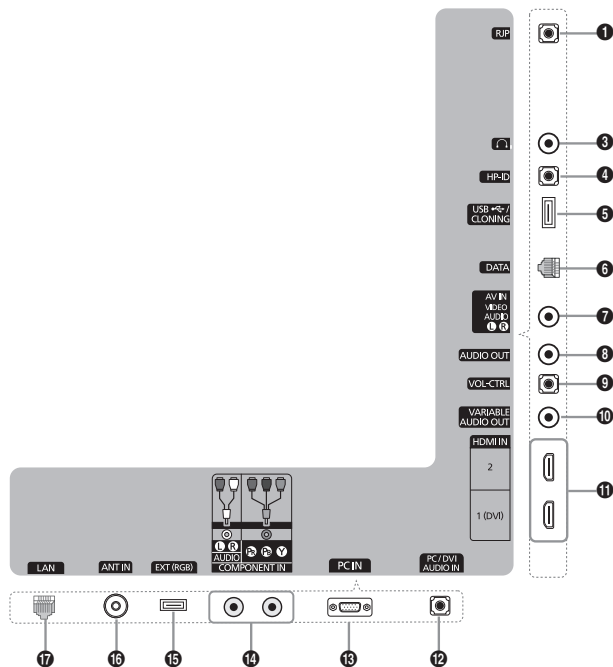
NOTE

- Make sure to distinguish between the front and back of the Stand and Guide Stand when assembling them.
- Make sure that at least two persons lift and move the LED TV.
- Stand the product up and fasten the screws. If you fasten the screws with the LED TV placed down, it may lean to one side.
- For wall mounting instructions, see page 33.

Viewing the Connection Panel

UA40C6900VHXZN
UA46C6900VHXZN
UA55C6900VHXZN

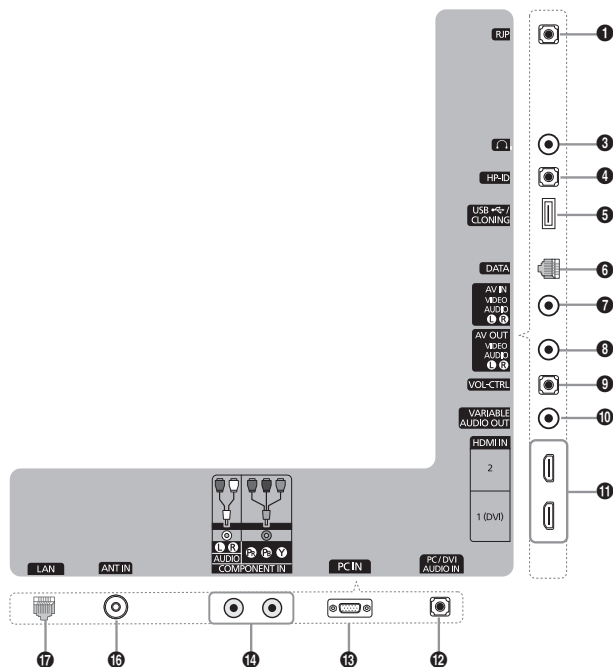
Power Input

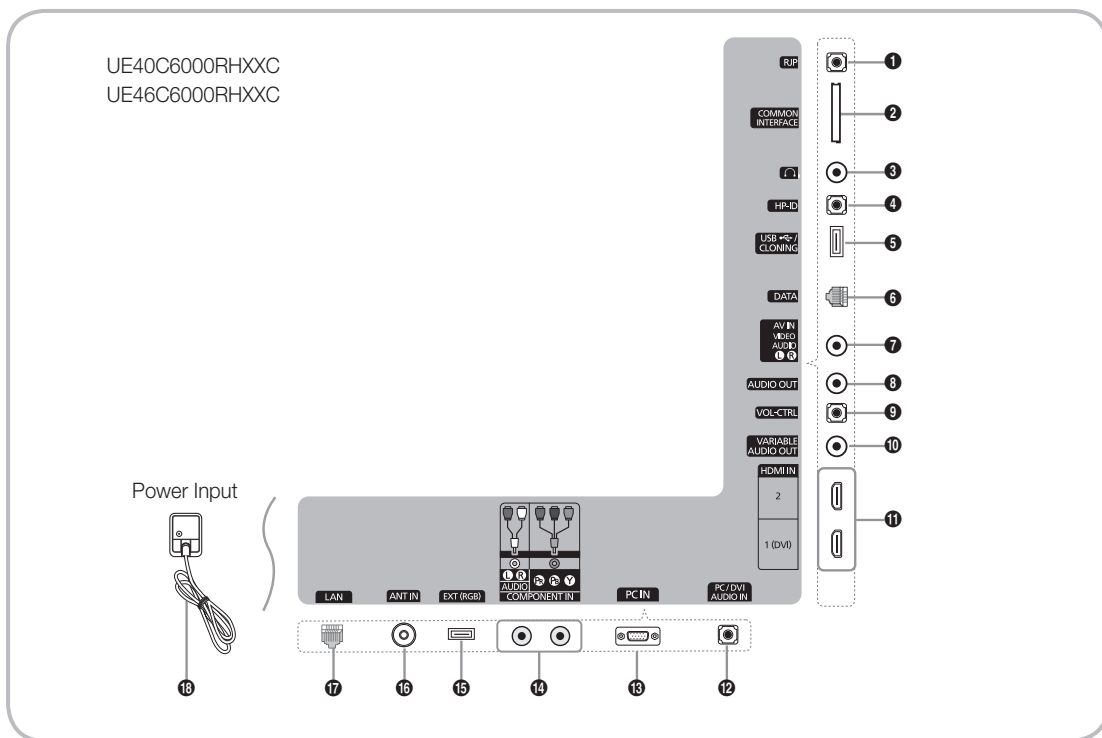


UA40C6900VHXXY
UA46C6900VHXXY
UA55C6900VHXXY

UA40C6900VHXRD
UA46C6900VHXRD
UA55C6900VHXRD

Power Input





- ✎ 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.

- ❶ **RJP**: This port is an RJP (Remote Jack Pack) communication port that enables connecting different devices to additional module so as to improve device use convenience.
- ❷ **COMMON INTERFACE**
- ❸ **Headphones 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.
- ❹ **HP-ID**: Enables to identify whether a headphone jack is inserted into the additionally created head phone box.
- ❺ **USB / CLONING**
 - ✎ USB Cloning (refer to page 24)
 - ✎ Service connector
 - ✎ Hotel Logo download
- ❻ **DATA**
 - Used to support data communication between the TV and the SBB.
 - The TV jack type is RJ-12.
- ❼ **AV IN**
 - Connect a VIDEO cable to an appropriate external A/V device such as VCR, DVD or Camcorder.
 - Connect audio cables to [R-AUDIO-L] on your TV and the other ends to corresponding audio out jacks on the A/V device.

- 8 **AV OUT** (Aus, NZ, Singapore) / **AUDIO OUT** (EU, Central Africa)
- **AUDIO OUT**: Connects to the audio input jacks on an Amplifier/Home Theater.
 - **VIDEO OUT**: Connect to Video input on an appropriate external display device. (DTV signal is unsupported. This output is only for Analogue video signal.)
- 9 **VOL-CTRL**: Used to control the volume of the Bathroom speaker. Connect the Bathroom Wall Box and the VOLCTRL port.
- 10 **VARIABLE AUDIO OUT**: Used for the audio output to the Bathroom speaker. Connect the Bathroom Wall Box and the Variable port (RCA).
- 11 **HDMI IN 1(DVI), 2** : 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 1** jack for DVI connection to an external device. Use a DVI to HDMI cable or DVI-HDMI adapter (DVI to HDMI) for video connection and the **PC/DVI AUDIO IN** jacks for audio.
- 12 **PC/DVI AUDIO IN**: Connect to the audio output jack on your PC and HDMI/DVI cable.
- 13 **PC IN**: Connect to the video output jack on your PC.

Display Modes (D-Sub and HDMI/DVI Input)

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	640 x 350	31.469	70.086	25.175	+/-
	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	+/+



NOTE

- For HDMI/DVI cable connection, you must use the **HDMI IN 1(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(Sync On Green) is not supported.

14 COMPONENT IN

- Connects Component video / audio.
- Connect component video cables (optional) to the component jacks ("P_R", "P_B", "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 ("P_R", "P_B", "Y") on your TV.
- The P_R, P_B 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.

15 EXT(RGB)

Connector	Input			Output
	Video	Audio (L/R)	RGB	Video + Audio (L/R)
EXT	0	0	0	Only TV or DTV output is available

 Inputs or outputs for external devices, such as VCR, DVD, video game device or video disc players.


16 ANT IN

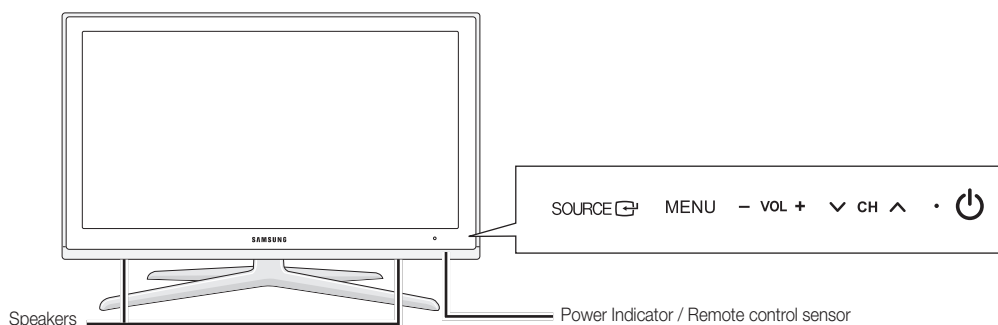
- To view television channels correctly, a signal must be received by the set from one of the following sources: An outdoor antenna / A cable television network / A satellite network




17 LAN: Connect a LAN cable to this port to connect to the Network.

18 Power Input

Viewing the Control Panel

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




SOURCE 	Toggles between all the available input sources. In the on-screen menu, use this button as you would use the ENTER  button on the remote control.
MENU	Displays an on-screen menu, the OSD (on screen display), of your TV's features.
-VOL+	Adjusts the volume. In the OSD, use the -VOL+ buttons as you would use the ◀ and ▶ buttons on the remote control.
-CH ^	Changes the channels. In the OSD, use the -CH ^ buttons as you would use the ▼ and ▲ buttons on the remote control.
Power Indicator	Blinks and turns off when the power is on and lights up in standby mode.
Remote control sensor	Aim the remote control towards this spot on the TV.
 (Power)	Turns the TV on or off.

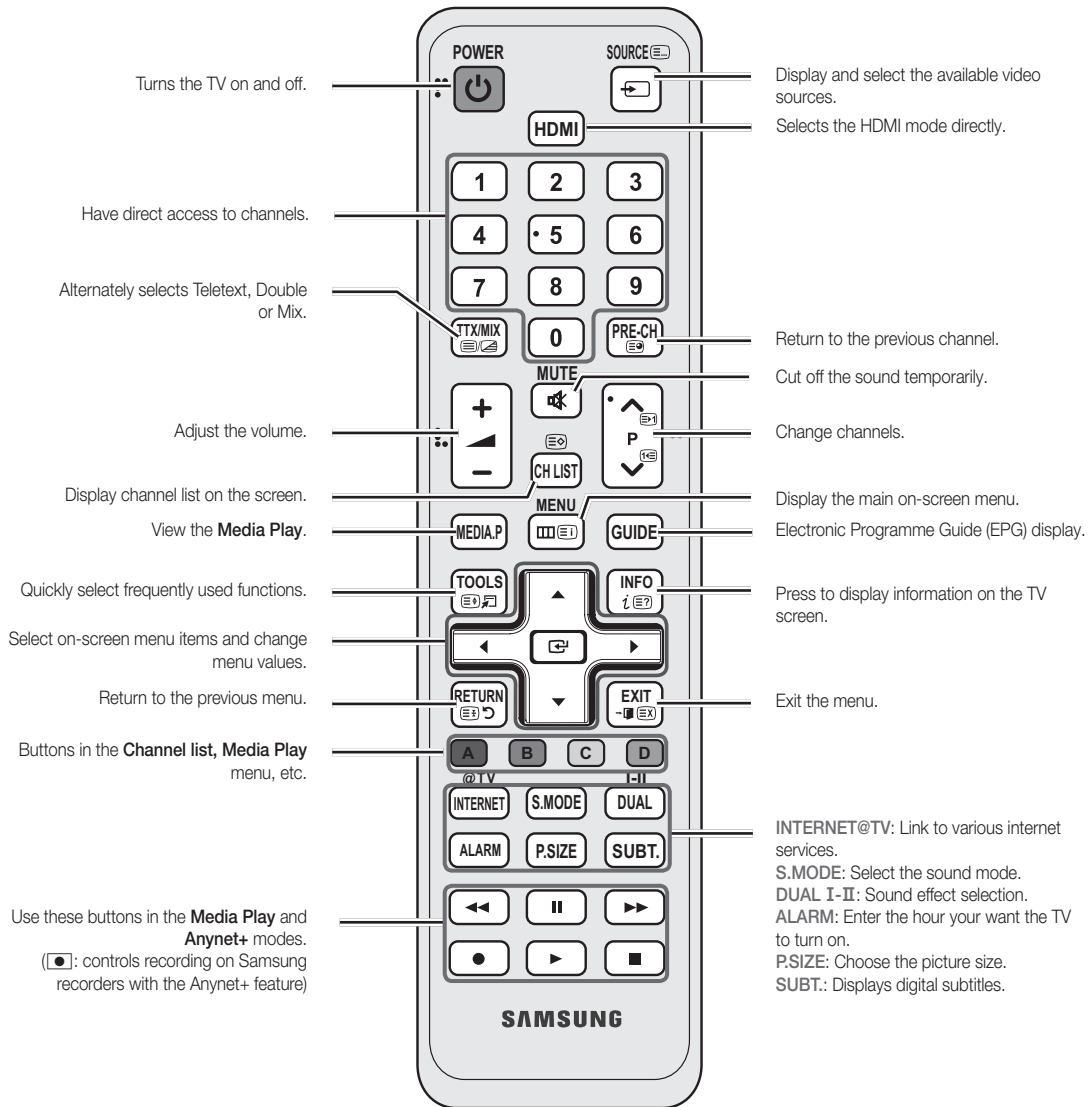
Standby mode

Do not leave your TV 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. It is best to unplug the power cord.

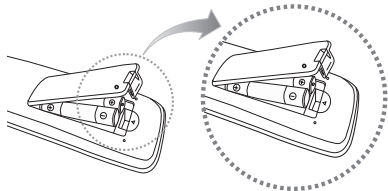
10 English

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.



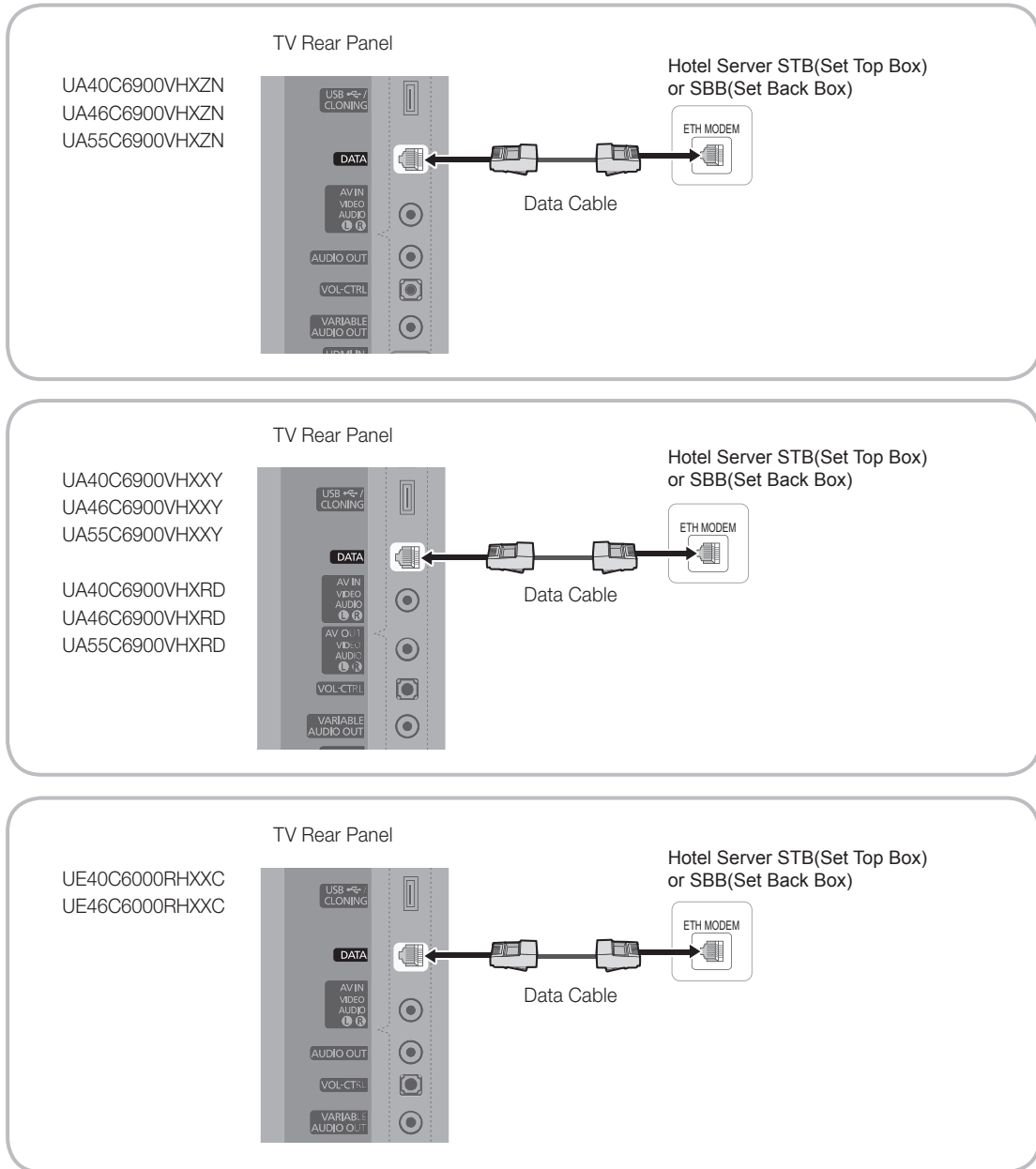
Installing batteries (Battery size: AAA)



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.

Connecting the TV with SBB

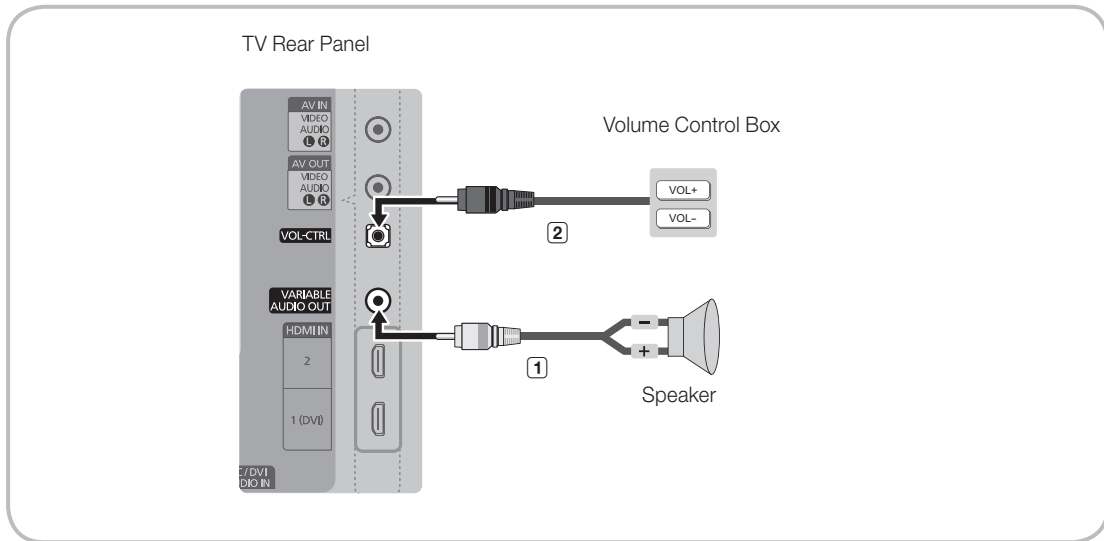


1. Connect the **DATA** jack of the TV to the **ETH MODEM** jack of the STB(SBB) with the Data cable.
 Use data communication.

Connecting the Bathroom Speakers

You can connect the Bathroom Speakers in the following method.

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



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 of the Bathroom Wall of the hotel.

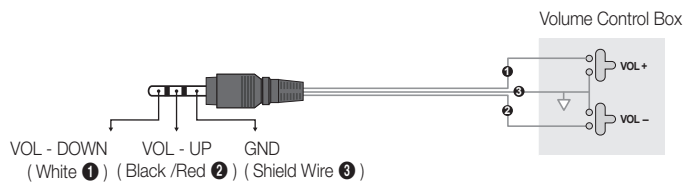
- Installing the Volume Control

- If you configure the Volume Control Box as shown in the figure, you can control the volume of the bathroom speakers.
- The jack that is connected from the Volume Control Box to the TV is a 3.5mm normal Phone jack.
- Volume Control Box switch consists of Tact switch.

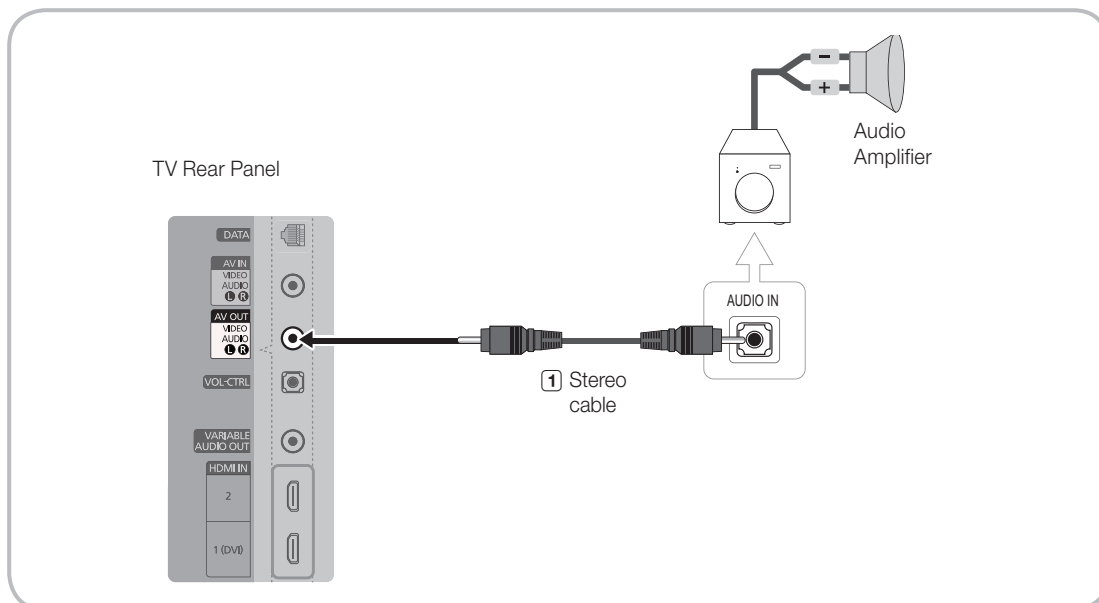
- ✎ Setting the Sub AMP Mode

- 0: Turns the Sub AMP function off (PWM off).
- 1: Determines the Sub volume according to the main volume control. That is, the sub volume is determined according to the Power On Volume, the Min Volume, and the Max Volume values of the 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.



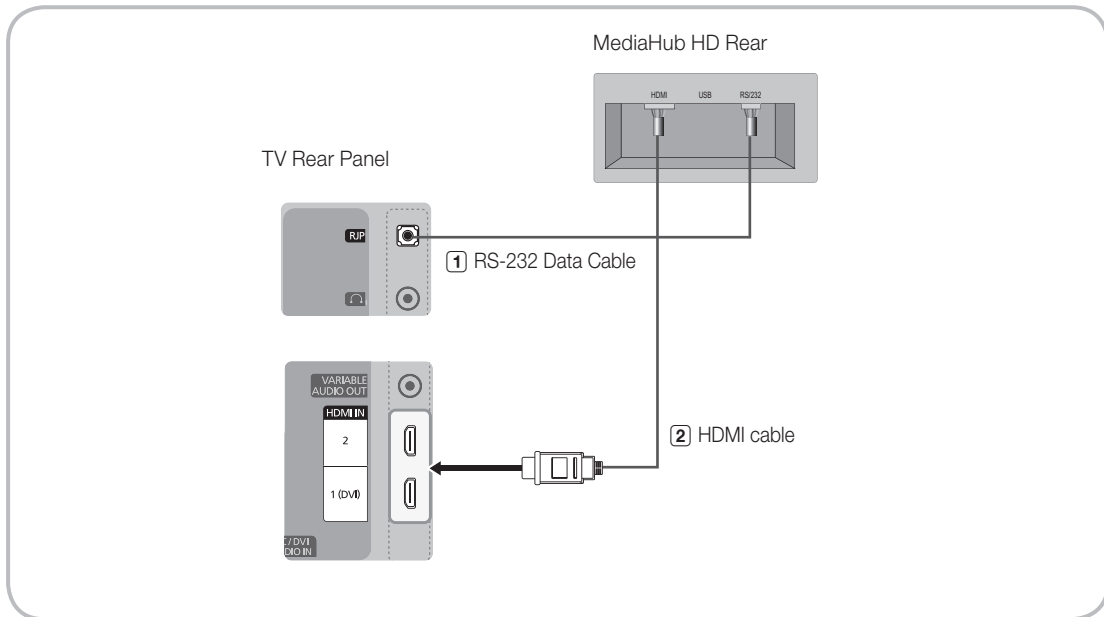
Connect through the Fixed Output (available without an external amplifier)



1. Connect the **AUDIO OUT** port of the TV and the Audio In port of the audio amplifier with a stereo cable.

Connecting the MediaHub HD

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

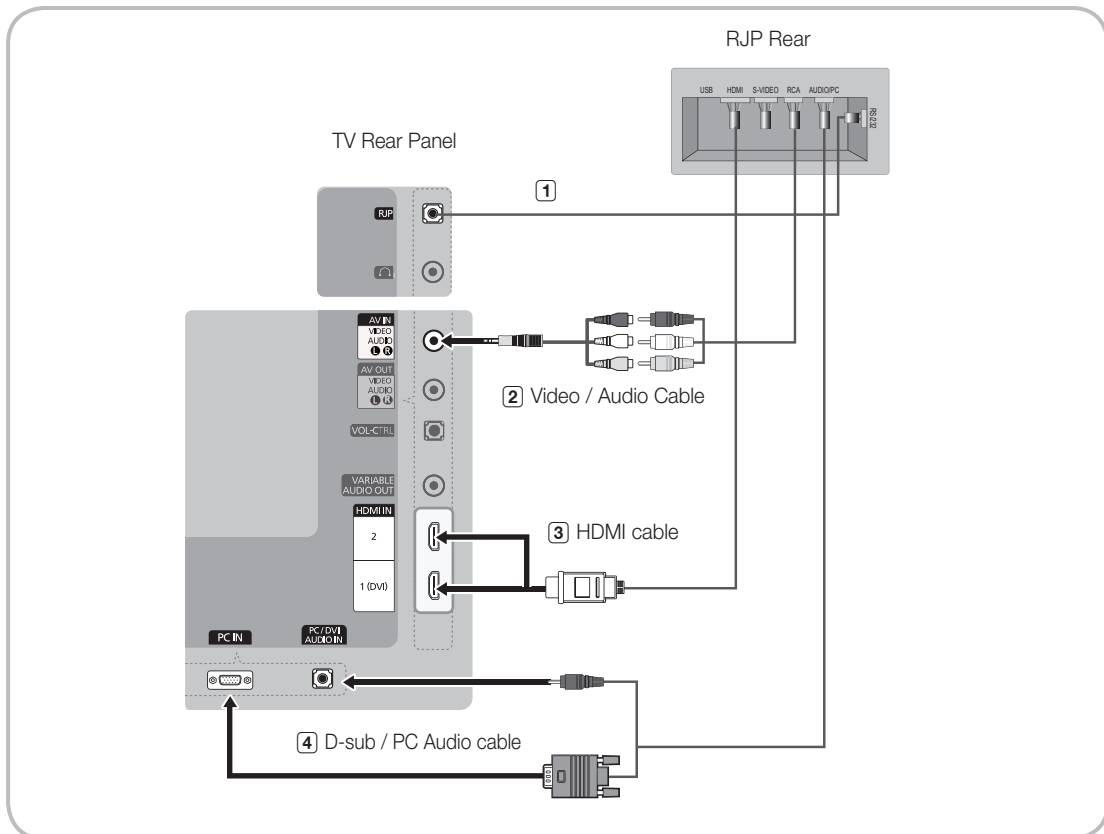


1. Connect the **RJP** port of the TV and the RS/232 port of the MediaHub HD.
2. Connect the **HDMI** port of the TV and the HDMI port of the MediaHub HD.

- 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 are connected from MediaHub to TV. The 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. The MediaHub communicates with the TV by sending messages regarding Active/Inactive sources. The TV will switch to the Active external source.
 - You have to connect the HDMI of the MediaHub to the HDMI 1 port of the TV.
 - When the TV is on, connect the TV and the RJP within 10 seconds.
- Special features
 - PIP
 - Bluetooth
 - Media Player (MediaHub HD+ only)
 - Auto Detection

Connecting the RJP (Remote Jack Pack)

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




1. Connect the **RJP** port of the TV and the RS/232 port of the **RJP**.
2. Connect the **AV IN [VIDEO]/[L-AUDIO-R]** port of the TV to the RCA port of the **RJP**.
3. Connect the **[HDMI]** port of the TV and the HDMI port of the **RJP**.
4. Connect the **PC IN / PC/DVI AUDIO IN** port of the TV to the PC/AUDIO 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 1, 2** and **AV** 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 the rest has been performed.
- 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
PC	0.7 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
PC	0.7 Sec	0.7 Sec	1.4 Sec
HDMI	3.9 Sec	3.9 Sec	7.8 Sec

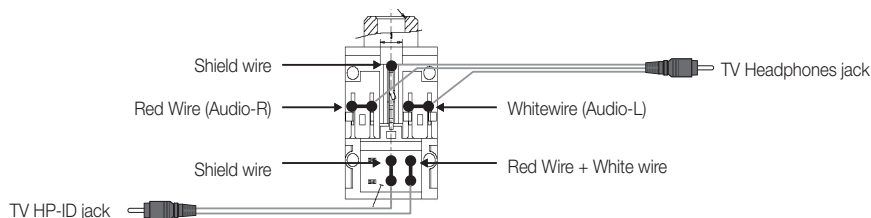
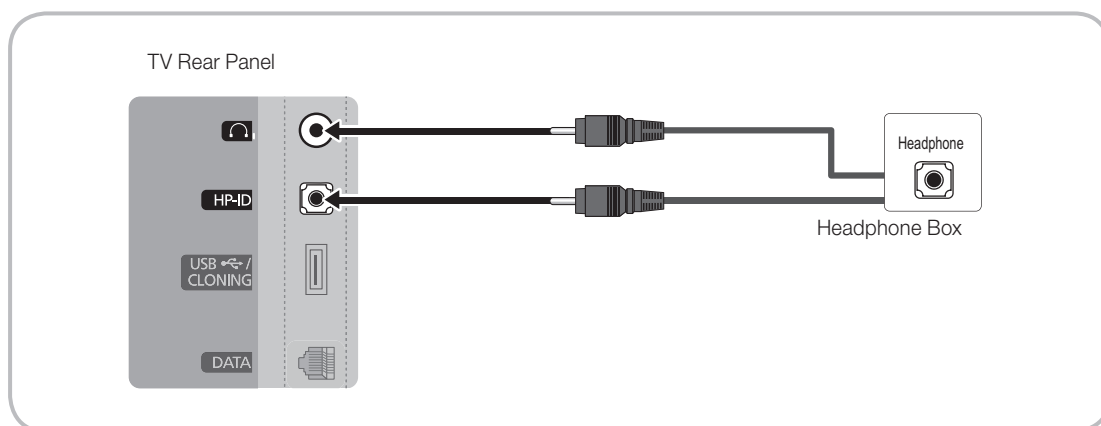
 E.g. If the RJP has all its live sources AV, PC and HDMI connected, AV is viewed as the highest priority. If the RJP is in HDMI mode, and a guest removes and reconnects the AV, the minimum time required to switch to the AV is 6.5 seconds.

- To connect audio (Ipod or Mp3), Music mode should be ON and Jack Ident detect should be OFF.
- AV, PC and HDMI input sources are supported.

Audio Loop In

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 given below.

- Detailed Drawing of the Headphone Box



Setting the Hotel Option Data

Stand-alone Mode

To Enter: Press the **MUTE** → **1** → **1** → **9** → **ENTER** buttons in order.

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

No	Item	initial Value	Description
1	Hotel Mode	On	Hotel mode(Stand alone) on/off
2	SI Vendor	Off	Select the SI Vendor
3	Power On Channel	1	TV will switch on to this particular Channel
4	Channel Type	ATV	Provides channel Type description for Power On channel selected. i.e. Selected channel analog or Digital & antennae selection (Air or Cable)
5	Power On Volume	10	TV will switch on with this Volume Level
6	Min Volume	0	Minimum Volume Level setting user can set
7	Max Volume	100	Maximum Volume Level setting user can set
8	Panel Button Lock	Unlock	Front panel(Local key) operation on/off. • Off: Unlock All panel key • On: Lock All panel key • Only Power: Lock All panel key except Power panel key.
9	Power On Source	TV	Select the Input source when TV is turned on initially.
10	Picture Menu Lock	OFF	Enable or disable Picture Menu.
11	Channel Editor		Edit Channel Number and Name.
12	Music Mode AV	OFF	To get music output from mp3/audio player in AV Input Source. Audio enabled, video disabled in this mode.
13	Music Mode PC	OFF	To get music output from mp3/audio player in PC Input Source. Audio enabled, video disabled in this mode.
14	Music Mode Comp	OFF	To get music output from mp3/audio player in Component Input Source. Audio enabled, video disabled in this mode.
15	Music Mode Backlight	OFF	Backlight On/Off option in Music mode to save energy.
16	RJP Priority AV	1	If the jack priority is set, the corresponding source is automatically set when a jack is inserted according to the jack priority.
17	RJP Priority PC	2	If the jack priority is set, the corresponding source is automatically set when a jack is inserted according to the jack priority.
18	RJP Priority HDMI	3	If the jack priority is set, the corresponding source is automatically set when a jack is inserted according to the jack priority.
19	RJP AV Option	AV1	Select RJP AV Source. (AV1)
20	RJP HDMI Option	HDMI1/DVI	Select RJP HDMI Source. (HDMI1/HDMI2)
21	Sub AMP Volume	6	Sub AMP Volume level at power on initial condition.
22	Sub AMP Mode	2	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.

No	Item	initial Value	Description
23	Local time	Manual	Selection of the way to update clock data <ul style="list-style-type: none"> • Auto: Use clock data from server when the TV is in the interactive mode. • Manual: Use clock data from DVB channel or manual clock setting when the TV is in the stand-alone mode. • TTX: manual clock setting (with updating from TTX data)
24	Audio Loop In	OFF	Audio loop identification or H.P identification selection
25	Menu Display	ON	<ul style="list-style-type: none"> • On: Main menu display • Off: Main menu No display
26	Customer Logo	OFF	Select Customer Logo. <ul style="list-style-type: none"> • OFF: Turn off the customer logo function • BMP: Sets the TV to display the customer logo(samsung.bmp) • AVI: Sets the TV to display the customer logo(samsung.avi) • BOTH: Sets the TV to display the customer logo(samsung.bmp & samsung.avi)
27	Logo Download		Download Customer Logo.
28	Logo Display Time		Customer! Logo Display Time.
29	Power On Option	Last Option	Power On(AC Power On) Option. <ul style="list-style-type: none"> • STN-BY: Stand-By Mode • Power On: Power On • LAST OPT: Last Power State
30	Auto Source	OFF	While TV is in power on state, if PC source is connected to TV, TV will automatically switch to PC mode.
31	Energy Saving	OFF	This feature adjusts the brightness of the TV in order to reduce power consumption. <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. • Auto: Sets the TV to automatically energy saving mode.
32	Clone TV to USB		USB Clone : TV → USB
33	Clone USB to TV		USB Clone : USB → TV
34	Cloning Data Reset	OFF	Reset the Cloning Data.
35	Welcome Message	OFF	Display Welcome Message.
36	Edit Welcome Message		Edit Welcome Message.
37	Mixed Channel Map	OFF	Mixed channel Map is a function to mix Air and Cable channels.
38	Channel Auto Store		Auto Memorizing channels.
39	Dynamic SI	OFF	<ul style="list-style-type: none"> • ON : Check the DTV Program channel number. (DTV channel editor inaccessible) • Off : No Check of the DTV Program channel number. (DTV channel editor accessible, but additional channel program number update not supported)

Interactive Mode

To Enter: Press the **INFO** → **MENU** → **0** → **1** → **EXIT** buttons in order, in normal operation state.

To Exit from this menu : Power Off and Turn On again. (Press **POWER** button with general SAMSUNG remocon)

No	Item	initial Value	Description
1	Hotel Mode	On	Hotel mode(Stand alone) on/off
2	SI Vendor	Samsung	Select the SI Vendor
3	Power On Channel	1	TV will switch on to this particular Channel
4	Channel Type	ATV	Provides channel Type description for Power On channel selected. i.e. Selected channel analog or Digital & antennae selection(Air or Cable)
5	Power On Volume	10	TV will switch on with this Volume Level
6	Min Volume	0	Minimum Volume Level setting user can set
7	Max Volume	100	Maximum Volume Level setting user can set
8	Panel Button Lock	Unlock	Front panel(Local key) operation on/off. • Off: Unlock All panel key • On: Lock All panel key • Only Power: Lock All panel key except Power panel key.
9	Power On Source	TV	Select the Input source when TV is turned on initially.
10	Picture Menu Lock	OFF	Enable or disable Picture Menu.
11	Channel Editor		Edit Channel Number and Name.
12	Music Mode AV	OFF	To get music output from mp3/audio player in AV Input Source. Audio enabled, video disabled in this mode.
13	Music Mode PC	OFF	To get music output from mp3/audio player in PC Input Source. Audio enabled, video disabled in this mode.
14	Music Mode Comp	OFF	To get music output from mp3/audio player in Component Input Source. Audio enabled, video disabled in this mode.
15	Music Mode Backlight	OFF	Backlight On/Off option in Music mode to save energy.
16	RJP Priority AV	1	If the jack priority is set, the corresponding source is automatically set when a jack is inserted according to the jack priority.
17	RJP Priority PC	2	If the jack priority is set, the corresponding source is automatically set when a jack is inserted according to the jack priority.
18	RJP Priority HDMI	3	If the jack priority is set, the corresponding source is automatically set when a jack is inserted according to the jack priority.
19	RJP AV Option	AV1	Select RJP AV Source. (AV1)
20	RJP HDMI Option	HDMI1/DVI	Select RJP HDMI Source. (HDMI1/HDMI2)
21	Sub AMP Volume	6	Sub AMP Volume level at power on initial condition.
22	Sub AMP Mode	2	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.

No	Item	initial Value	Description
23	Local time	Manual	Selection of the way to update clock data <ul style="list-style-type: none"> • Auto: Use clock data from server when the TV is in the interactive mode. • Manual: Use clock data from DVB channel or manual clock setting when the TV is in the stand-alone mode. • TTX: manual clock setting (with updating from TTX data)
24	Audio Loop In	OFF	Audio loop identification or H.P identification selection
25	Menu Display	OFF	<ul style="list-style-type: none"> • On : Main menu display • Off : Main menu No display
26	Customer Logo	OFF	Select Customer Logo. <ul style="list-style-type: none"> • OFF: Turn off the customer logo function • BMP: Sets the TV to display the customer logo(samsung.bmp) • AVI: Sets the TV to display the customer logo(samsung.avi) • BOTH: Sets the TV to display the customer logo(samsung.bmp & samsung.avi)
27	Logo Download		Download Customer Logo.
28	Logo Display Time		Customer! Logo Display Time.
29	Power On Option	Last Option	Power On(AC Power On) Option. <ul style="list-style-type: none"> • STN-BY : Stand-By Mode • Power On : Power On • LAST OPT : Last Power State
30	Auto Source	OFF	While TV is in power on state, if PC source is connected to TV, TV will automatically switch to PC mode.
31	Energy Saving	OFF	This feature adjusts the brightness of the TV in order to reduce power consumption. <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. • Auto: Sets the TV to automatically energy saving mode.
32	Clone TV to USB		USB Clone : TV → USB
33	Clone USB to TV		USB Clone : USB → TV
34	Cloning Data Reset	OFF	Reset the Cloning Data.
35	Welcome Message	OFF	Display Welcome Message.
36	Edit Welcome Message		Edit Welcome Message.
37	Channel Auto Store		Auto Memorizing channels.
38	Dynamic SI	OFF	<ul style="list-style-type: none"> • ON: Check the DTV Program channel number. (DTV channel editor inaccessible) • Off: No Check of the DTV Program channel number. (DTV channel editor accessible, but additional channel program number update not supported)


When Interactive mode is On, you cannot enter the Hotel Options by pressing the **MUTE → 1 → 1 → 9 → ENTER** button. To exit the Hotel Options, turn the power off.

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.

Hotel Mode	ON	RJP Priority AV	1	Energy Saving	OFF
SI Vendor	Samsung	RJP Priority PC	2	Clone TV to USB	
Power On Channel	1	RJP Priority HDMI	3	Clone USB to TV	
Channel Type	ATV	RJP AV Option	AV1	Cloning Data Reset	OFF
Power On Volume	10	RJP HDMI Option	HDMI1/DVI	Welcome Message	OFF
Min Volume	0	Sub Amp Volume	6	Edit Welcome Message	
Max Volume	100	Sub Amp Mode	2	Channel Auto Store	
Panel Button Lock	Unlock	Local time	Manual	Dynamic SI	OFF
Power On Source	TV	Audio Loop In	OFF		
Picture Menu Lock	OFF	Menu Display	ON		
Channel Editor		Customer Logo	OFF		
Music Mode AV	OFF	Logo Download	...		
Music Mode PC	OFF	Logo Display Time	...		
Music Mode Comp	OFF	Power On Option	Last Option		
Music Mode Backlight	OFF	Auto Source	OFF		

- 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.

Edit Welcome Message

W E L C O M E T O O U
R H O T E L _

A	B	C	D	E	F	G
H	I	J	K	L	M	N
O	P	Q	R	S	T	U
V	W	X	Y	Z		

Move Left
 Move Right
 Black
 Done

Move Enter Return

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

Customer Logo (Hotel Logo)

Customer Logo is a function that displays picture image or Video file which represents hotel during power on procedure.

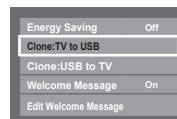
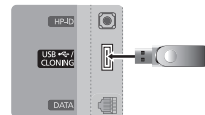
- Customer Logo will be in hotel option menu in both Standalone and Interactive mode.
- Lower menus will be enabled when Customer Logo option is on.
- Customer Logo will be displayed if there is picture image or video file which is already stored in memory and Customer Logo option is on during power on procedure.
- Customer Logo will not be displayed when Customer Logo option is off, even if the picture image or video file exists.

Hotel Mode	ON	RJP Priority AV	1	Energy Saving	OFF
SI Vendor	Samsung	RJP Priority PC	2	Clone TV to USB	
Power On Channel	1	RJP Priority HDMI	3	Clone USB to TV	
Channel Type	ATV	RJP AV Option	AV1	Cloning Data Reset	OFF
Power On Volume	10	RJP HDMI Option	HDMI1/DVI	Welcome Message	OFF
Min Volume	0	Sub Amp Volume	6	Edit Welcome Message	
Max Volume	100	Sub Amp Mode	2	Channel Auto Store	
Panel Button Lock	Unlock	Local time	Manual	Dynamic SI	OFF
Power On Source	TV	Audio Loop In	OFF		
Picture Menu Lock	OFF	Menu Display	ON		
Channel Editor		Customer Logo	OFF		
Music Mode AV	OFF	Logo Download	...		
Music Mode PC	OFF	Logo Display Time	...		
Music Mode Comp	OFF	Power On Option	Last Option		
Music Mode Backlight	OFF	Auto Source	OFF		

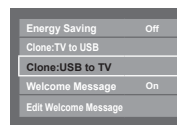
- **Customer Logo**
 - This option is to decide if customer logo image or video file will be displayed or not.
- **Customer Logo Download**
 - This option downloads the logo image or video file to TV memory from a USB device.
 - Wait will be displayed while the file is copied to the TV.
 - Completed will be displayed when the copy operation has finished successfully.
 - Failed will be displayed when the copy operation was unsuccessful.
 - No USB will be displayed when USB device is not connected.
 - No File will be displayed when there is no file to copy in USB.
- **Logo File Format (Picture)**
 - Only BMP format is supported and File name must be samsung.bmp.
 - Maximum resolution is 960 x 540.
 - Image is not changed on a large or small scale during power on.
- **Logo File Format (Video)**
 - Only AVI format is supported and File name must be samsung.avi.
 - AVI file max 50MB, max 1920*1080, no up & down scale
 - If press CH UP/DOWN Key or EXIT KEY with Samsung remote controller, you can stop displaying the customer video logo.
- **Logo Display Time**
 - This option is to decide Logo display time of the picture image.
 - 3 sec / 5 sec / 7sec

USB 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. USB Cloning is in hotel option menu in both Standalone and Interactive mode.



- **Cloning from 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 Interactive menu by pressing this buttons in order.
 - Interactive mode : **INFO** → **MENU** → 0 → 1 → **EXIT**
 - Standalone mode : **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.
- **Cloning from 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 Interactive menu by pressing this buttons in order.
 - Interactive mode : **INFO** → **MENU** → 0 → 1 → **EXIT**
 - Standalone mode : **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.

For fast instant cloning during installation!

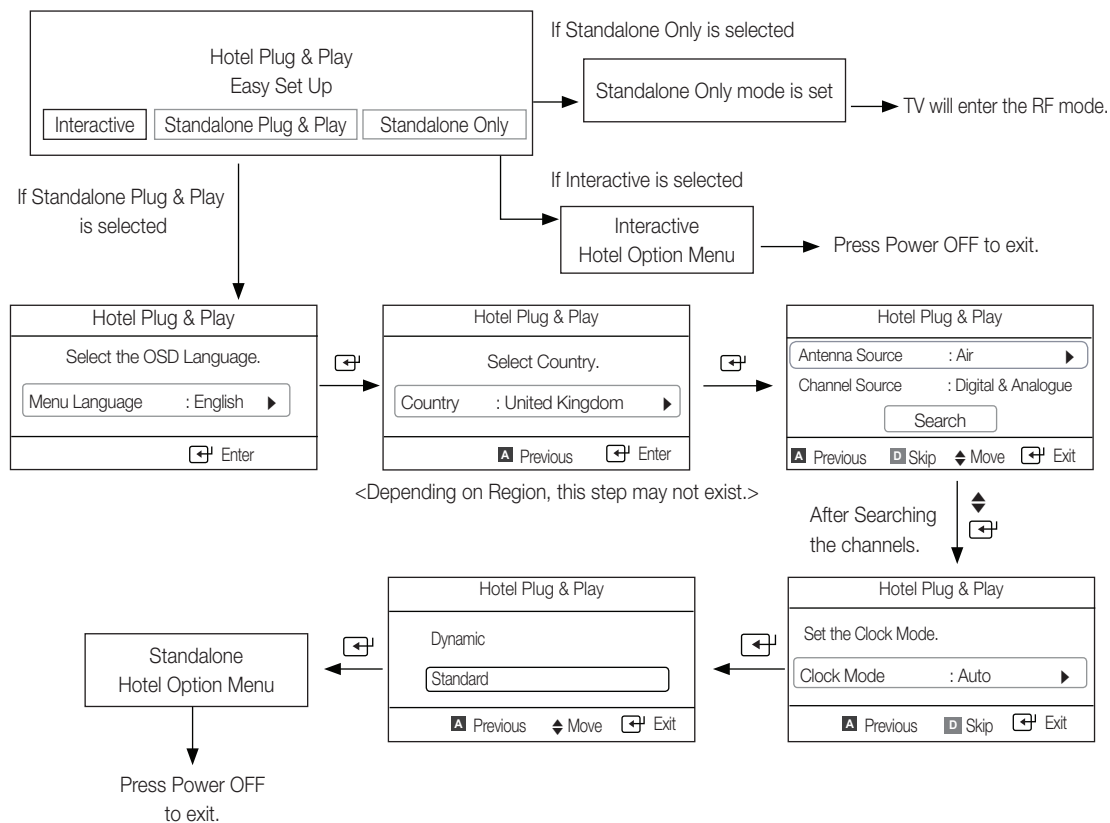
Insert USB key with master settings from first TV and press Enter key for 5 seconds.

Hotel Plug & Play

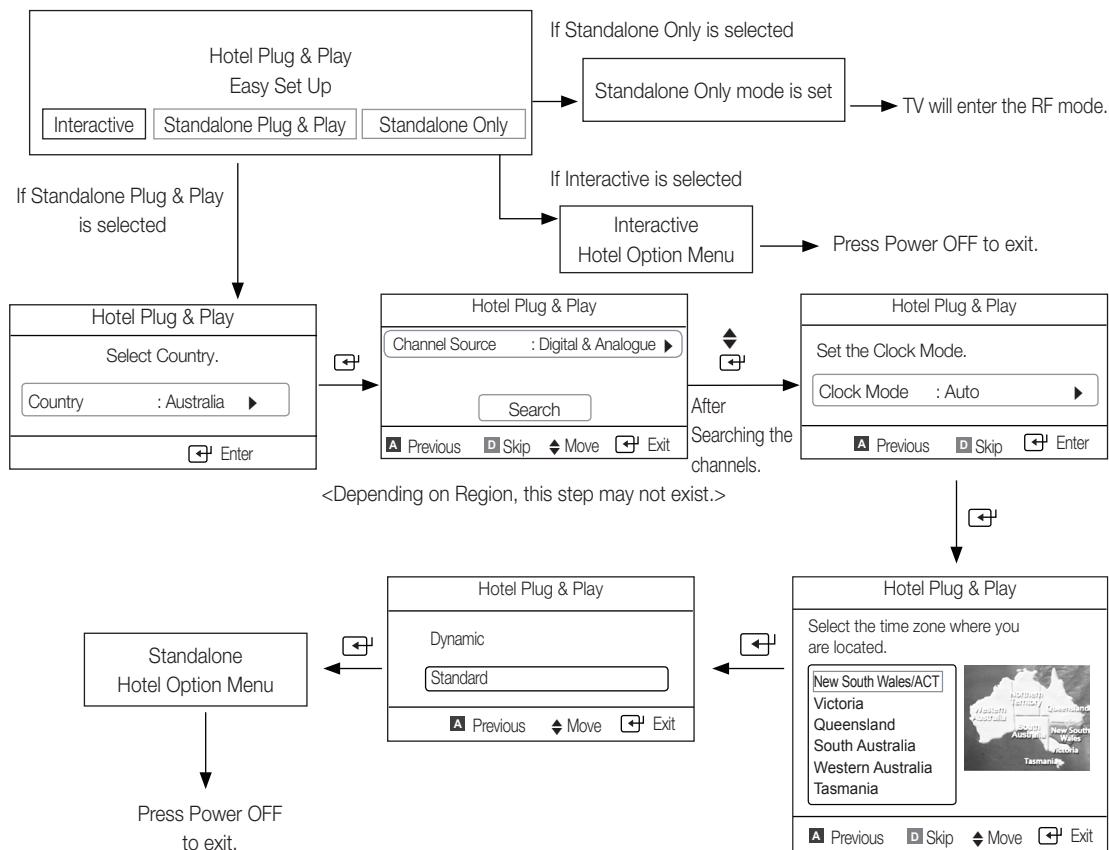
Hotel Plug & Play is a function that automatically performs the Hotel mode selection, Country Setup, Clock Setup and Picture mode Setup once.

- 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.

UI Scenario



- UI Scenario (Aus, NZ, Singapore)



- **Hotel Plug & Play OSD**

- Initial Highlight: Interactive
- If Standalone Only button is selected, the Standalone hotel mode is set by default and “Standalone mode is set” OSD is displayed for 3 seconds.
- TV enters into RF mode automatically after displaying “Standalone mode is set” OSD for 3 seconds.
- When Interactive mode is selected, Interactive Setup Menu is displayed. Press power off button to exit from Interactive menu.
- When Standalone Plug & Play mode is selected, “Select Menu Language” OSD is displayed.

- **Select Menu Language OSD**

- When Standalone Plug & Play is selected from “Easy Set Up” OSD, “Select Menu Language” OSD is displayed.
- Initial Highlight : English
- Display time: OSD timeout and operation are the same as Samsung's consumer TV models.
- If ENTER button is pressed, “Select Area” OSD is displayed.

- **Auto Search Mode OSD**

- If skip option is selected, it goes to Clock setting OSD.
- If ENTER button is pressed, auto searching of channels is performed.
- The OSD Display time, which is from the time that Auto Store is started to the time that Auto Sort is completed, is 30 seconds.

- **Clock setting OSD**

- Display time: 30 seconds.
- The Clock Set item OSD is displayed
- If ENTER button is pressed after setting the clock or in Auto, Picture Mode OSD is displayed.

- **Picture Mode OSD**

- Initial Highlight: Standard.
- The Picture Mode OSD is displayed and the Dynamic or a Standard Picture mode can be selected.
- After selecting the picture mode, it enters Standalone Setup Menu OSD, press power off to exit.

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 10 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 DTV channel)
- ID code could be from 0 to 9.
- Press Blue Key for over 3 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 Yellow key for over 3 seconds. ID code of both TV and Remote will be reset to "0". "Remote control code is set to 0." will be displayed.

Mixed Channel Map

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

[If there are no Cable channels, you can use this item as channel sorting.]

- Mixed channel Map, Channel Editor and Channel Auto Store are newly placed in Hotel Option Menu.
- Mixed channel Map should be ON in order to mix Air and Cable channels.
- Use Channel Editor to sort the channels as user-desired channel numbers.

Hotel Mode	ON	RJP Priority AV	1	Logo Download	...
SI Vendor	OFF	RJP Priority PC	2	Logo Display Time	...
Power On Channel	1	RJP Priority HDMI	3	Power On Option	Last Option
Channel Type	ATV	RJP AV Option	AV1	Auto Source	OFF
Power On Volume	10	RJP HDMI Option	HDMI1/DVI	Energy Saving	Off
Min Volume	0	Sub AMP Volume	6	Clone : TV to USB	
Max Volume	100	Sub AMP Mode	2	Clone : USB to TV	
Panel Button Lock	Unlock	Local Time	Manual	Pan Euro MHEG	OFF
Power On Source	TV	Time Format	12 Hour	Cloning Data Reset	OFF
Picture Menu Lock	OFF	PMOLED Test	Failure	Welcome Message	
Channel Editor		PMOLED Normal Dim.	3	Edit Welcome Message	
Music Mode AV	OFF	PMOLED Standby Dim.	2	DC Power Out	SV
Music Mode PC	OFF	Audio Loop In	OFF	Mixed Channel Map	ON
Music Mode Comp	OFF	Menu Display	ON	Channel Auto Store	
Music Mode Backlight	OFF	Hotel Logo	OFF	Dynamic SI	OFF

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

Simple Steps for channel mixing under Stand-alone Mode

Step	Broad Outline
1	Turn on 'Mixed Channel Map' in Hotel Option Menu
2	Operate 'Channel Auto Store' in Hotel Option Menu (Antenna Source : Air + Cable)
3	Enter 'Channel Editor' in Hotel Option Menu
4	Compile a table related to the final channel lists you want to have
5	Rearrange channels with TOOLS Button based on the table you compiled
6	Press EXIT or RETURN Button to exit.
<For better comprehension, please refer to the following details>	

Air & Cable Channels Mixing Manual

You can scan for Air and Cable channels by operating Channel Auto Store.

Automatically scanned channels may not have the user-desired channel numbers.

We suggest you compile a table related to the final channel lists you want to have like below.

1	BBC1
A 1	TF1(atv)
2	BBC2
A 2	FR1(atv)
A 3	FR2(atv)
4	Boxer
A 4	M6(atv)
70	Chnal+
900	Disney

<Scanned original Channel List>

Chnnel No.	Programme Name
1	BBC1
2	BBC2
A 3	FR1
4	BOXER
A 5	FR2
A 6	TF1
7	Disney
A 8	M6
9	Canal+

<User-desired Channel List>

Follow next steps to rearrange Air and Cable channels.


[To edit the channel numbers, enter 'Stand-alone mode' first.]

[Hotel Mode 'ON', Mixed Channel Map 'ON', Operate 'Channel Auto Store']

1. Rearrange Air and Cable Channels based on User-desired Channel List in 'Channel Editor'
 - a. Check the largest channel number from the user-desired channel list.

Channel No.	Programme Name
1	BBC1
2	BBC2
A 3	FR1
4	BOXER
A 5	FR2
A 6	TF1
7	Disney
A 8	M6
9	Canal+

← Programme 'Canal+' has the largest channel number

- b. Locate cursor to a programme that you want to put it into the largest channel number.
- c. Press **TOOLS** key.
- d. Move cursor to **Edit Channel Number** and press **ENTER**  key.



1	BBC1
A 1	TF1(atv)
2	BBC2
A 2	FR1(atv)
A 3	FR2(atv)
4	Boxer
A 4	M6(atv)
70	Chnal+
900	Disney

Edit channel Number
 Edit channel Name

- e. Move the programme to the largest channel number by using up/down narrow keys or digit keys
 - ~ When you try to change it to an existing channel number, below message will be displayed.
 "CH.XX has already been used. Change to Ch.XX?".
 If you select 'yes', they'll be swapped with each other.

Edit Channel Number


Channel ▲ 9 ▼	Name Canal+
------------------------	----------------

(0-9) Number
◀ Adjust
 Enter
 Return

- f. Check the second largest channel number from the user-desired channel list.

Channel No.	Programme Name
1	BBC1
2	BBC2
A 3	FR1
4	BOXER
A 5	FR2
A 6	TF1
7	Disney
A 8	M6
9	Canal+

← Programme 'M6' has the second largest channel number

- g. Locate cursor to the other programme that you want to put it into the second largest channel number.
h. Press **TOOLS** key.
i. Move cursor to **Edit Channel Number** and press **ENTER**  key.

1	BBC1
A 1	TF1(atv)
2	BBC2
A 2	FR1(atv)
A 3	FR2(atv)
4	Boxer
A 4	M6(atv)
9	Chnal+
900	Disney

Edit channel Number
Edit channel Name

- j. Move the programme to the second largest channel number by using up/down narrow keys or digit keys

Edit Channel Number

Channel

▲
8
▼

Name
M6

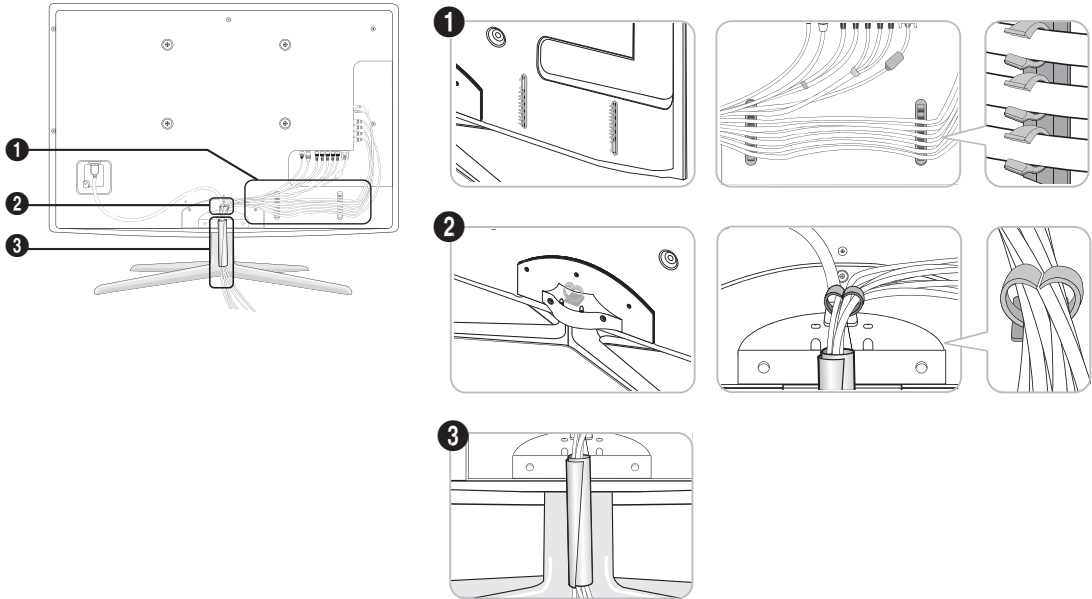
(0-9) Number ◀ Adjust Enter Return

- k. Do this process again for all the other programmes.
Now you can see the mixed channel list like below.

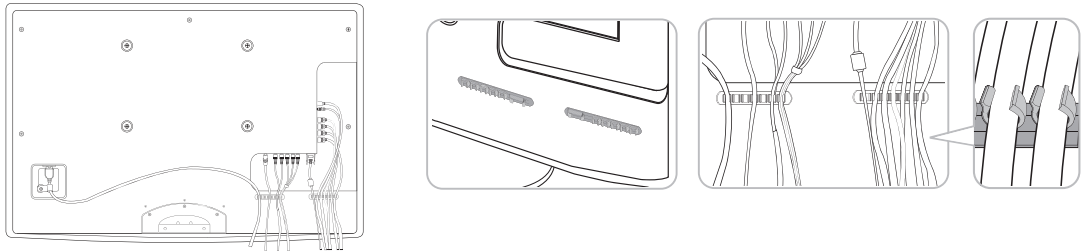
1	BBC1
2	BBC2
A 3	FR1
4	Boxer
A 5	FR2
A 6	TF1
7	Disney
A 8	M6
9	Canal+


Assembling the Cables

Stand Type



Wall-Mount Type

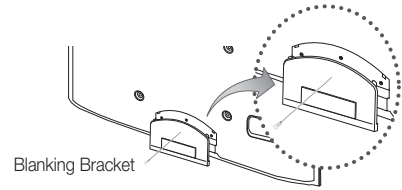


 Do not pull the cables too hard when arranging them. This may cause damage to the product's connection terminals.

Installing the Wall Mount

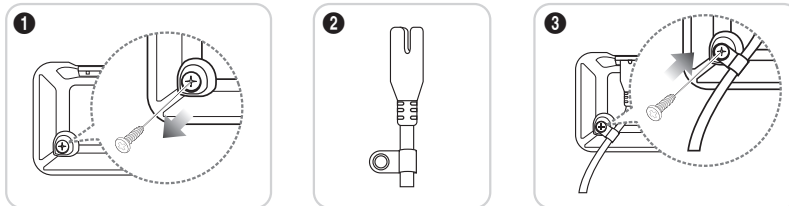
Assembling the Blanking Bracket

When installing the TV onto a wall, attach the Blanking Bracket as shown.



Assembling Power-Cord

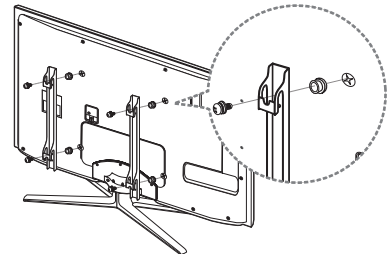
When Installing the TV onto a wall, attach the Power-Cord as shown.



1. Remove the screw shown in the first picture above.
2. Attach the power cord clamp to the power cord.
3. Mount the power cord clamp to the TV, using the removed screw, as shown.

Preparing before installing Wall-Mount

To install a wall-mount from another manufacturer, use the Holder-Ring.




Installing the Wall Mount Kit

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. Samsung Electronics is not responsible for any damage to the product or injury to yourself or others if you elect to install the TV on your own.

Wall Mount Kit Specifications (VESA)

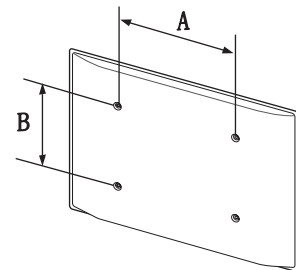
 The wall mount kit is not supplied, but sold separately.

Install your wall mount on a solid wall perpendicular to the floor. When attaching to other building materials, please contact your nearest dealer. If 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 that are longer than the standard dimension or do not comply with the VESA standard screw specifications. Screws that are too long may cause damage to the inside of the TV set.
- For wall mounts that do not comply with the VESA standard screw specifications, the length of the screws may differ depending on the wall mount specifications.
- Do not fasten the screws too 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 mount the TV at more than a 15 degree tilt.

Product Family	inches	VESA Spec. (A * B)	Standard Screw	Quantity
LED-TV [Ultra-Slim]	19~22	75 X 75	M4	4
	23~29	200 X 100	M8	
	32~37	200 X 200		
	40~55	400 X 400		
	56~65	600 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.

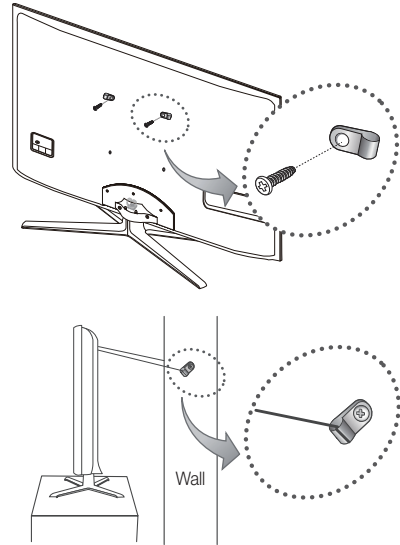
Securing the TV to the Wall



Caution: Pulling, pushing, or climbing on the TV may cause the TV to fall. In particular, ensure your children do not hang over or destabilize the TV; doing so may cause the TV to tip over, causing 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 back center 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.
 - Screw Specifications
 - x For a 19 ~ 22 inch: M4
 - x For a 23 ~ 65 inch: M8
- Connect the clamps fixed onto the TV and the clamps fixed onto the wall with a strong cable 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.





Specifications			
Items		Specification	Comment
TV System		PAL, SECAM, DVB-T/C	
Audio out	Speaker out	10W x 2 (40" 46") 15W x 2 (55")	
	Variable Audio	4W mono 8 ohm SPK'	RCA Jack output OTL Sound output
	Audio out	500mVrms	
Input	Component	Y, Pb, Pr, Audio-L/R	
	PC	D-sub, Audio-L/R	
	A/V	Audio Video Jack	
	EXT	Scart Jack (EU, Central Africa Only)	
	HDMI	Compatible with the HDMI Specifications	
	Antenna	75 ohm Unbalanced, Din Jack	VHF/UHF/CATV
Data	DATA	RJ-12	
	RJP	RS232	Jack Pack Only, TeleAdapt RJP Only
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.



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Contact SAMSUNG WORLDWIDE

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

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