

2. Product Specifications

2-1. Specifications



NOTE

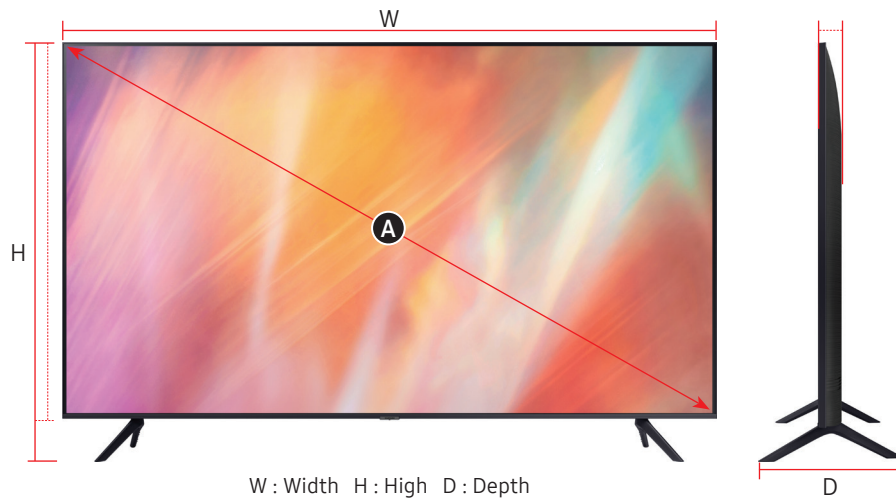
- Design and specifications are subject to change without prior notice.
- Specifications depends on the models or region.

2-1-1. Product information

Model	UN**AU7700G / UN**AU7000*		
Design			
			
			
			
	Bezel Type	3 Bezel-less	
	Stand Type	SLIM FEET	
	Color	Front : TITAN GRAY Deco : TITAN GRAY / Stand : TITAN GRAY	

Model	UN**AU7700G / UN**AU7000*				
Feature	• Key Features - 2160P Ultra HD - HDR, UHD Dimming, PurColor - Smart HUB • General Information - Product : LED - Platform(TV) : Novatek Kant-SU2e - Display Resolution : 3,840 x 2,160 - Picture Engine : Crystal Processor 4K • Connectivity				
	CPU		Quad CA53, 1.35GHz@0.97V		
	DDR		DDR3, 1066MHz 32Bits, 512MBx2 (internal) DDR3, 1066MHz 32Bits, 256MBx2 (external)		
	Flash		4GB (eMMC 5.0 + 5.1's enhanced DS)		
	HDMI		3 INPUT, HDMI 2.0		
	USB		1 INPUT, USB 2.0		
	BT/WIFI		BT4.2/WiFi5 (Built-in bottom Frame)		
	Eco Sensor/IR		Built-in bottom Frame		
	Sound		43"	Sound Output (RMS)	20W
				Speaker Type	2CH
			50"	Sound Output (RMS)	20W
				Speaker Type	2CH
			55"	Sound Output (RMS)	20W
				Speaker Type	2CH
			58"	Sound Output (RMS)	20W
				Speaker Type	2CH
			65"	Sound Output (RMS)	20W
				Speaker Type	2CH
			70"	Sound Output (RMS)	20W
				Speaker Type	2CH
			75"	Sound Output (RMS)	20W
				Speaker Type	2CH
			82"	Sound Output (RMS)	20W
				Speaker Type	2CH
			85"	Sound Output (RMS)	20W
				Speaker Type	2CH

2-1-2. Product Specification

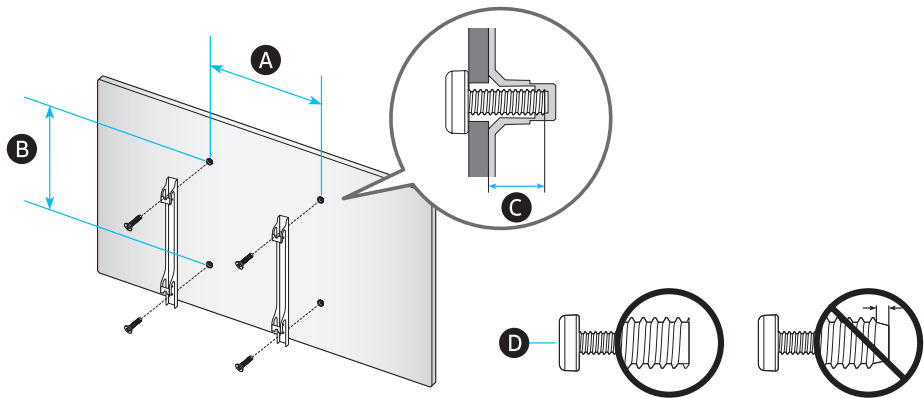


Model	UN**AU7700G / UN**AU7000*		
Dimensions (W x H x D)	43"	Body	963.9 x 558.9 x 59.6 mm (96.39 x 55.89 x 5.96 cm)
		With Stand	963.9 x 627.8 x 192.5 mm (96.39 x 62.78 x 19.25 cm)
	50"	Body	1116.8 x 644.2 x 59.9 mm (111.68 x 64.42 x 5.99 cm)
		With Stand	1116.8 x 719.1 x 250.2 mm (111.68 x 71.91 x 25.02 cm)
	55"	Body	1230.5 x 707.2 x 59.9 mm (123.05 x 70.72 x 5.99 cm)
		With Stand	1230.5 x 783.3 x 250.2 mm (123.05 x 78.33 x 25.02 cm)
	58"	Body	1291.0 x 748.6 x 59.9 mm (129.10 x 74.86 x 5.99 cm)
		With Stand	1291.0 x 824.3 x 250.2 mm (129.10 x 82.43 x 25.02 cm)
	65"	Body	1449.4 x 830.3 x 59.9 mm (144.94 x 83.03 x 5.99 cm)
		With Stand	1449.4 x 906.6 x 282.1 mm (144.94 x 90.66 x 28.21 cm)
	70"	Body	1556.2 x 899.3 x 60.5 mm (155.62 x 89.93 x 6.05 cm)
		With Stand	1556.2 x 988.1 x 341.1 mm (155.62 x 98.81 x 34.11 cm)
Weight	43"	Without Stand	8.1 kg
		With Stand	8.3 kg
	50"	Without Stand	11.4 kg
		With Stand	11.6 kg
	55"	Without Stand	13.9 kg
		With Stand	14.2 kg

2. Product specifications

Model	UN**AU7700G / UN**AU7000*		
Weight	58"	Without Stand	15.2 kg
		With Stand	15.4 kg
	65"	Without Stand	20.6 kg
		With Stand	20.9 kg
	70"	Without Stand	24.8 kg
		With Stand	25.3 kg
	75"	Without Stand	30.4 kg
		With Stand	30.8 kg
	82"	Without Stand	37.7 kg
		With Stand	38.9 kg
Screen Size (A)	85"	Without Stand	40.2 kg
		With Stand	41.3 kg
	43"	108 cm	
	50"	125 cm	
	55"	138 cm	
	58"	146 cm	
	65"	163 cm	
	70"	176 cm	
	75"	189 cm	

■ Mounting the TV on a wall



Inches	VESA A x B (mm)	C (mm)	D x 4
43"	200 x 200	20-22	M8
50"			
55"			
58"	400 x 300		
65"			
70"			
75"	400 x 400		
82"	600 x 400		
85"			

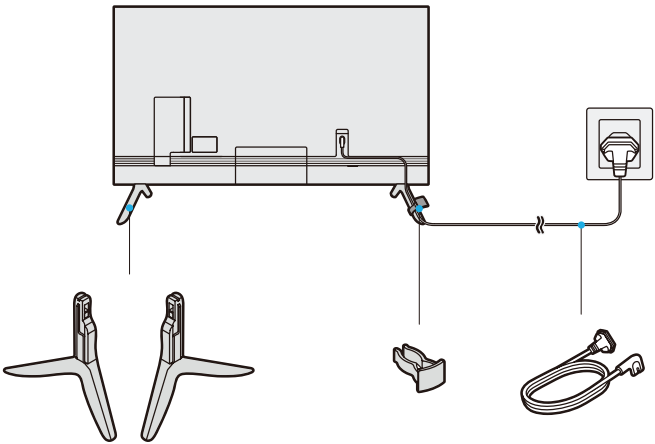
2-2. Checking the Components

2-2-1. Components

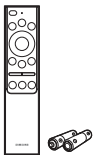


NOTE

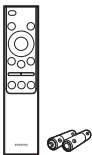
- The items' colors and shapes may vary depending on the model.
- Cables not included in the package contents can be purchased separately.
- The provided accessories may vary depending on the model.
- The code number can be changed, see "**Exploded Views**" provided on the site.



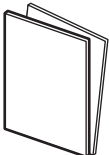
The following components are available:



Samsung Smart Remote & Batteries



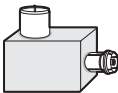
Remote Control & Batteries



User Manual / Regulatory Guide
(Not available in some locations)



TV Power Cable



Antenna adapter
(Depending on the model)

2-2-2. The Remote

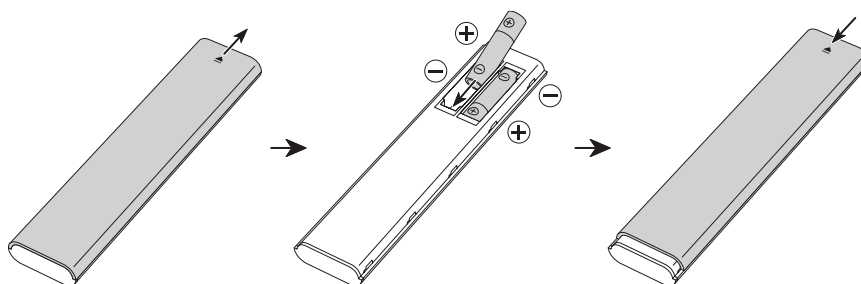
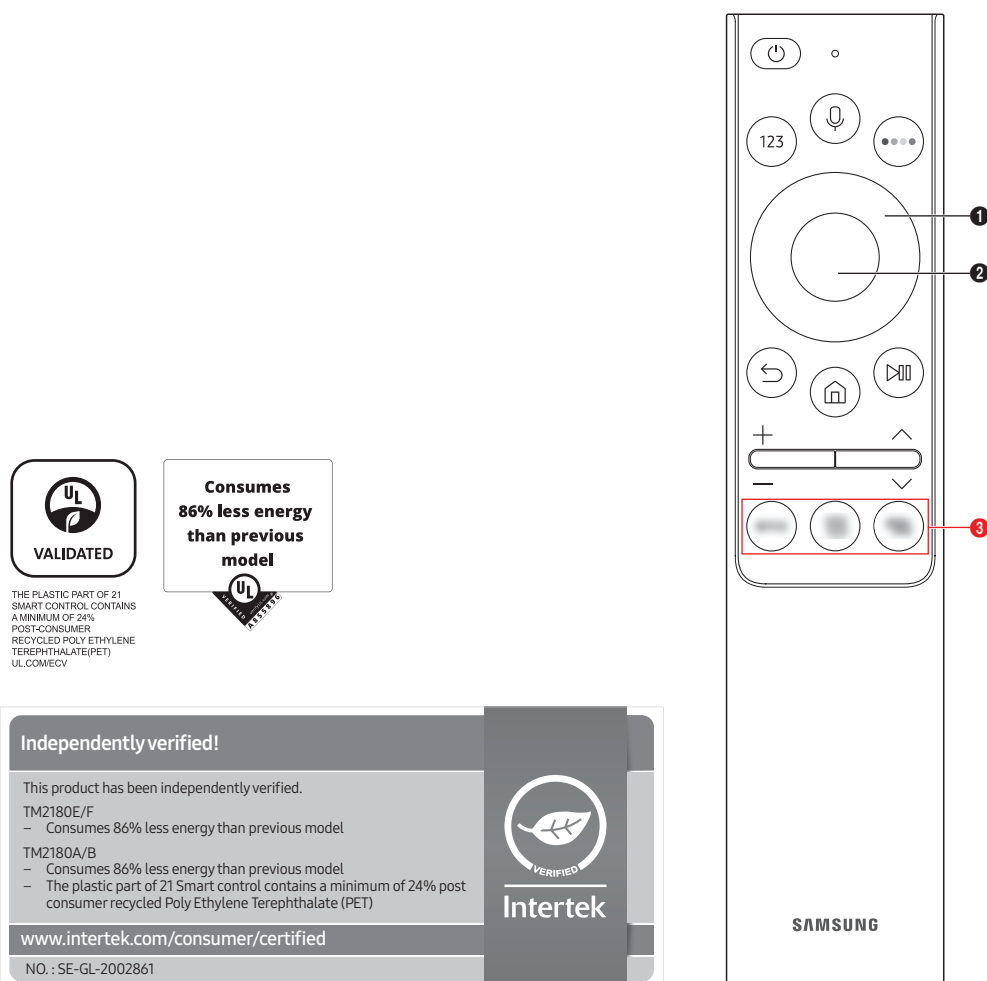
■ About the Buttons on the Samsung Smart Remote



NOTE

- Use the Samsung Smart Remote less than 6 m from the TV. The usable distance may vary with the wireless environmental conditions.
- The images, buttons, and functions of the Samsung Smart Remote may differ with the model or geographical area.
- The Universal Remote function operates normally only when you use the Samsung Smart Remote that comes with the TV.

- UN**AU7700G



2. Product specifications

Button	Description
 (Power)	Press to turn the TV on or off.
 (Voice Assistant)	Runs Voice Assistant. Press and hold the button, say a command, and then release the button to run Voice Assistant.  Keep the remote more than 0.6 inches (15.24 mm) from your face when using and speaking to Voice Assistant through the mic on the remote. The supported Voice Assistant's languages and features may differ by geographical region.
 (Number button)	When pressed, a number strip appears on the bottom of the screen. Select numbers and then select Done to enter a numeric value. Use to change the channel, enter a PIN, enter a ZIP code, etc.
 (Colour button)	Use these coloured buttons to access additional options specific to the feature you are using.
 Directional button (up, down, left, right)	Use to navigate the menu or move the focus to highlight items on the Home Screen.
 Select	Selects or runs a focused item. When pressed while you are watching a broadcast program, detailed program information appears.
 (Return)	Press to return to the previous menu. When pressed for 1 second or more, the running function is terminated. When pressed while you are watching a program, the previous channel appears.
 (Smart Hub)	Press to return to the Home Screen.
 (Play/pause)	When pressed, the playback controls appear. Using these controls, you can control the media content that is playing.
 (Volume)	Move the button up or down to adjust the volume. To mute the sound, press the button. When pressed for 1 second or more, the Accessibility Shortcuts appears.
 (Channel)	Move the button up or down to change the channel. To see the Guide screen, press the button. Press and hold the button up or down to quickly change the channel.
 (Launch app button)	Launch the app indicated by the button.  These buttons may vary depending on the geographical area.
 (Pairing)	If the Samsung Smart Remote does not pair to the TV automatically, point it at the front of the TV, and then press and hold the  and  buttons simultaneously for 3 seconds or more.

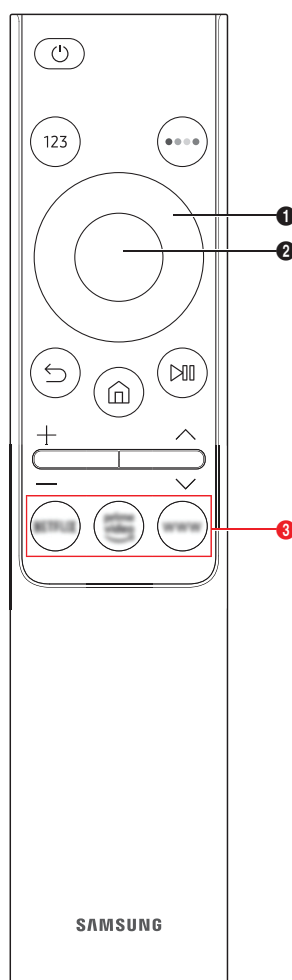
■ About the Buttons on the Samsung Smart Remote



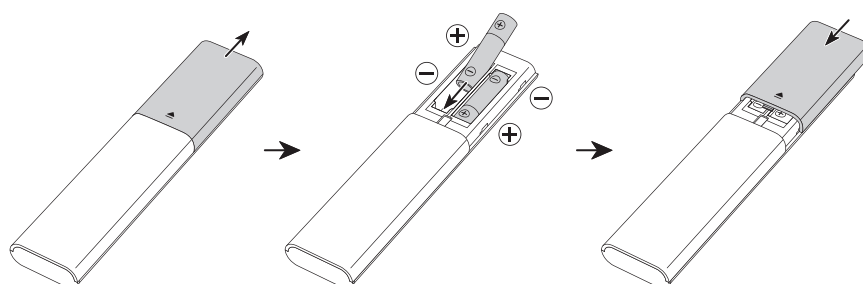
NOTE

- The images, buttons, and functions of the Remote Control may differ with the model or geographical area.
- If you use the remote control that comes with your TV to control another TV, some functions may not operate normally.

- UN**AU7000*



THE PLASTIC PART OF 21
SMART CONTROL CONTAINS
A MINIMUM OF 24%
POST-CONSUMER
RECYCLED POLY(ETHYLENE
TEREPHTHALATE)(PET).
UL.COM/ECV



2. Product specifications

Button	Description
 (Power)	Press to turn the TV on or off.
 (Number button)	When pressed, a number strip appears on the bottom of the screen. Select numbers and then select Done to enter a numeric value. Use to change the channel, enter a PIN, enter a ZIP code, etc.
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 (Play/pause)	When pressed, the playback controls appear. Using these controls, you can control the media content that is playing.
 (Volume)	Move the button up or down to adjust the volume. To mute the sound, press the button. When pressed for 1 second or more, the Accessibility Shortcuts menu appears.
 (Channel)	Move the button up or down to change the channel. To see the Guide screen, press the button. Press and hold the button up or down to quickly change the channel.
 (Launch app button)	Launch the app indicated by the button.

2-2-3. Connecting the antenna adapter

Connect the provided antenna adapter to an antenna terminal on the wall, and then connect the antenna cable, which is connected to ANT IN (CABLE) on the TV, to the antenna adapter.

The connected antenna adapter prevents overload that may occur due to potential difference between the antenna terminal on the wall and the antenna cable, consequently being able to prevent product damage or fire.

- Be sure to use the provided antenna adapter.
- The method for connecting the antenna adapter and the markings on the antenna terminals may differ depending on the model and geographical region.
- If you use the antenna adapter where antenna signals are weak, the screen may become blurry.



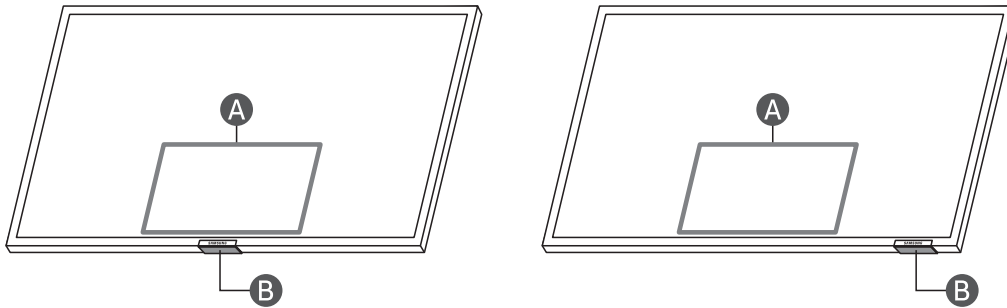
2-3. Product Overview

2-3-1. Front Panel of the TV

■ Using the TV Controller

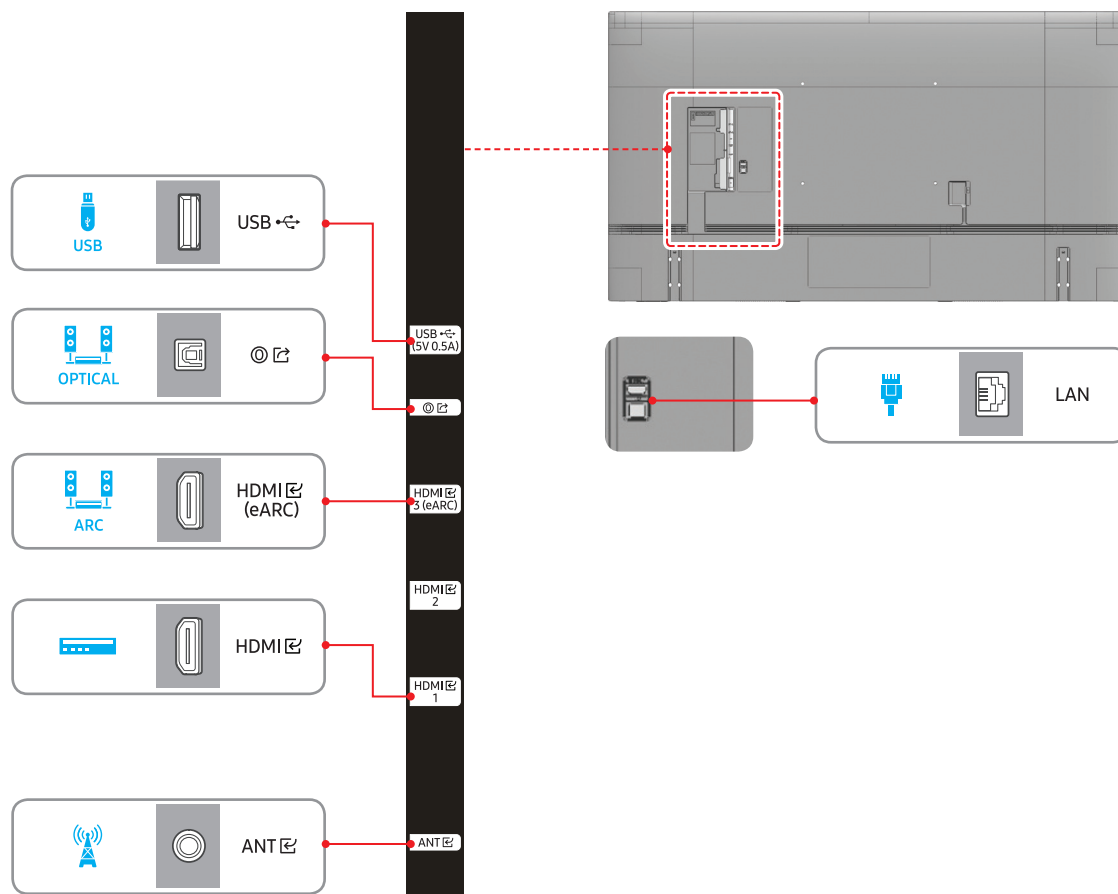
You can turn on the TV with the **TV Controller** button at the bottom of the TV, and then use the **Control menu**. The **Control menu** appears when the **TV Controller** button is pressed while the TV is On.

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



- **A** Control menu / **B** TV Controller button / Remote control sensor

2-3-2. Rear Panel of the TV



2-4. Viewing the Features

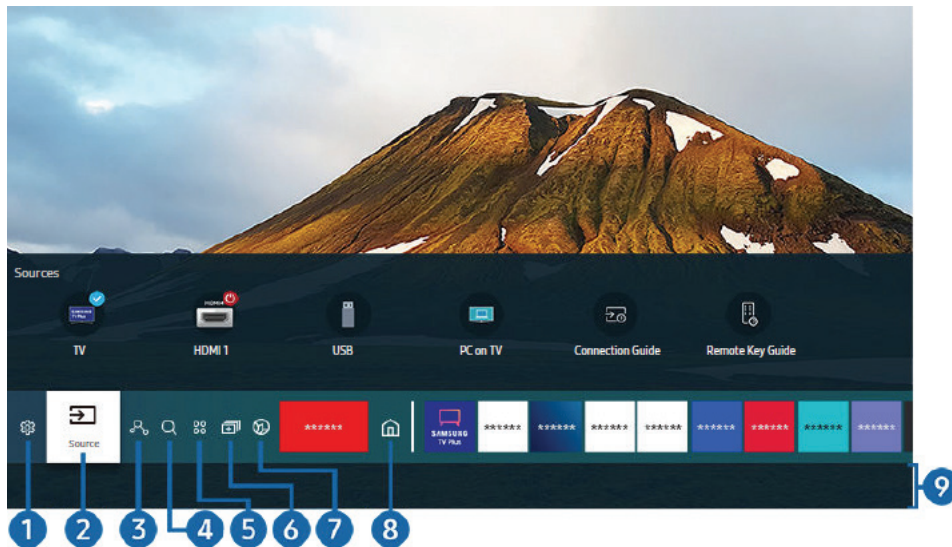


NOTE

- This function may not be supported depending on the model.

■ Smart Hub

From Smart Hub, you can use the Internet search function, install and use various apps, view photos and videos or listen to music stored on external storage devices, and perform more functions.



1 ⚙ Settings

When the focus is moved to Settings, a list of quick settings icons appears above the top of the menu. You can quickly set frequently used functions by clicking the icons.

2 ➡ Source

You can select an external device connected to the TV.

3 👤 Digital Butler

This function allows the TV to connect and control the detected devices in the same space.

4 🔍 Search

This function allows the TV to connect and control the detected devices in the same space.

5 📺 Apps

You can enjoy a wide range of contents, including news, sports, weather, and games by installing the corresponding apps on your TV.

6 📺 Multi View

While watching the TV, you can simultaneously view multiple screens that are split.

7 🌊 Ambient Mode

You can enhance your living space with decorative content that matches the surroundings or view essential realtime information, such as weather, time, and news, on the TV screen when you are not watching TV.

8 🏠 Home

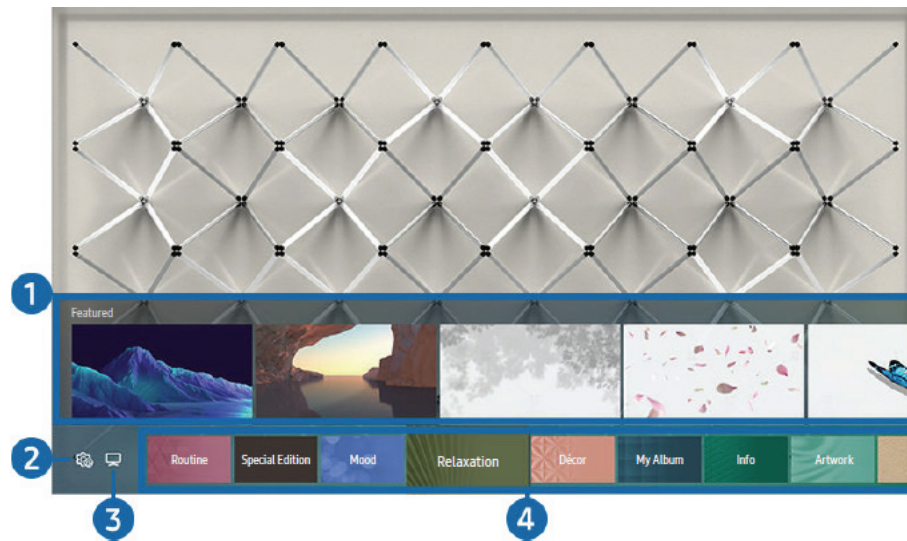
This menu appears first when you press the button. Then you can quickly access Samsung Account, Notification, or Privacy Choices.

9 Universal Guide

Universal Guide is an app that allows you to search for and enjoy various content, such as TV shows, dramas, and movies, in one place. Universal Guide can recommend content tailored to your preferences.

■ Ambient Mode

You can enhance your living space with decorative content that matches the surroundings or view essential realtime informations such as weather, time and news on the TV screen when you are not watching TV.



1 Function and content preview

When you select a category at the bottom of the screen, a preview of available functions and content appears here. To view detailed information about a content item, move the focus to it, and then press the up directional button.

2 ⚙️ Ambient Settings

You can configure the following Ambient Mode settings.

3 📺 TV

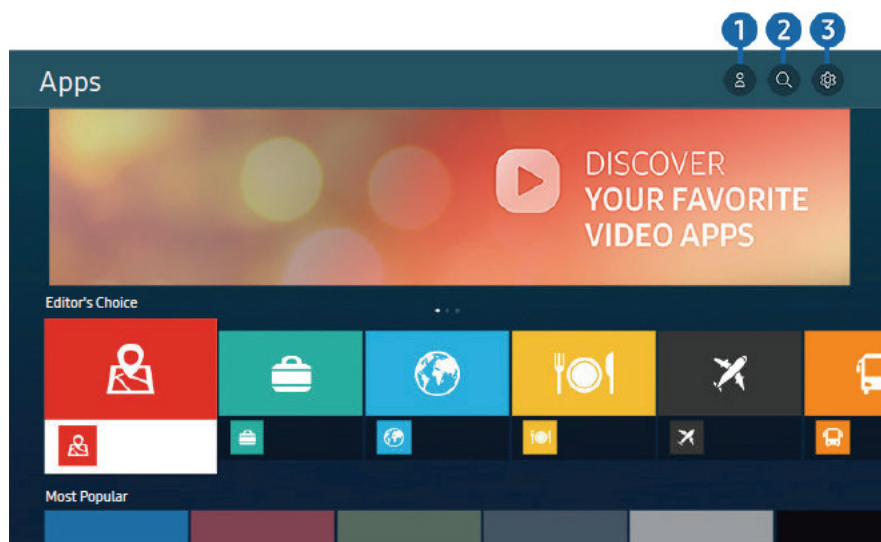
You can enter the TV viewing screen.

4 Selecting a content category

You can select your preferred content and background for the Ambient Mode screen.

■ Apps Service

You can enjoy a wide range of content including news, sports, weather and games by installing the corresponding apps on your TV.



1 Samsung Account

Go to the Samsung Account screen to create a new account or sign out of your account.

2 App Search

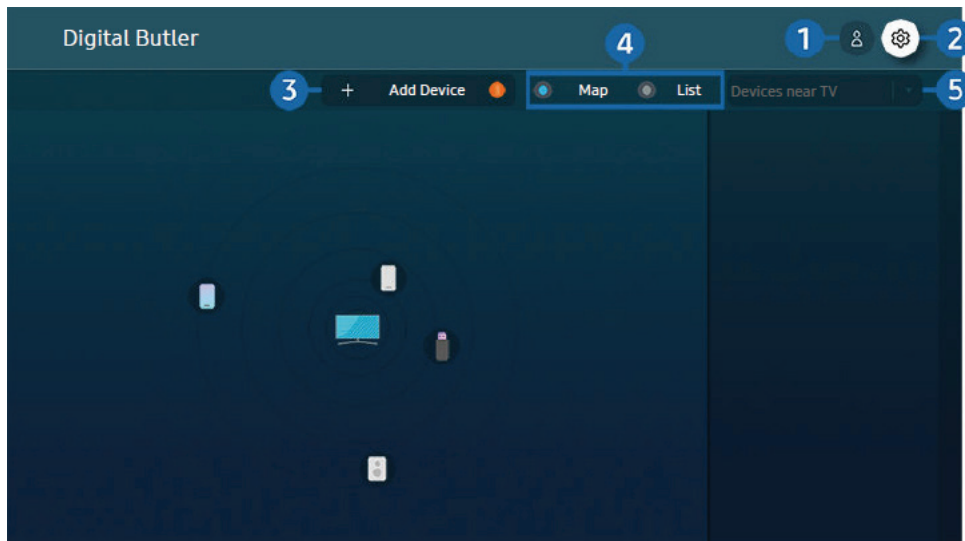
You can search for available apps.

3 Settings

You can manage the installed apps.

■ Digital Butler

Using the TV, you can control devices connected via Bluetooth, BLE(Bluetooth Low Energy), or Wi-Fi by using the remote control.



1 Samsung Account

Go to the [Samsung Account](#) screen to create a new account or sign out of your account.

 If you are signed out of your Samsung Account, select  [Sign In](#) to sign in.

2 Settings

You can configure the [Digital Butler](#) settings.

3 **Add Device**

Displays the list of devices that can be registered on your TV. You can register any by selecting a device.

4 **Map / List**

Displays the detected devices in a map or list.

5 **Device list category**

 Available options may differ depending on the device.

- **Place**
Displays all places connected via the SmartThings app.
- **Devices near TV**
Displays all the detected devices that can be connected and controlled.
You can run the control options after selecting a desired device.

 Available options may differ depending on the device.

Available devices

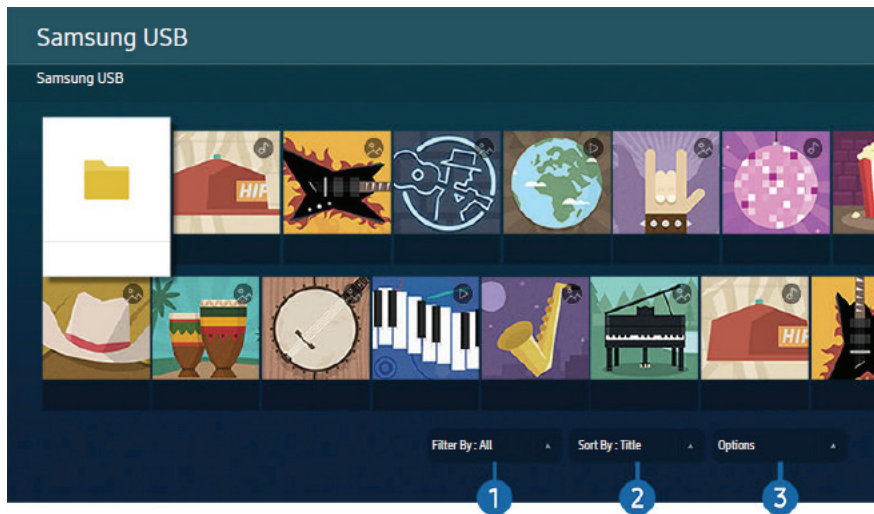
Type	Description Detail
Mobile devices	Galaxy Series (S6, Android 7.0 or later) iPhone Series (iOS 7.1 or later)  SmartThings app must have been installed in case of Android devices.
Devices for IR remote control (IR Sniffing)	Air conditioner, air purifier, robot vacuum cleaner, electric fan, humidifier
Bluetooth devices	Bluetooth speaker, headset, Soundbar, keyboard, mouse, game pad
SmartThings devices	For details on SmartThings devices, access https://www.smarththings.com/products .
External devices	DVD player, Blu-ray player, home theater system, game console, OTT box, set-top box, USB device  The devices must be connected to the HDMI or USB port.

 For a detailed list of supported devices, visit www.samsung.com.

 This function may not be available depending on the external device.

■ Playing pictures/video/music

You can play media content saved on storage devices, such as USB devices, mobile devices and cameras on the TV.



1 Filter By

Filters the media content by type of media.

2 Sort By

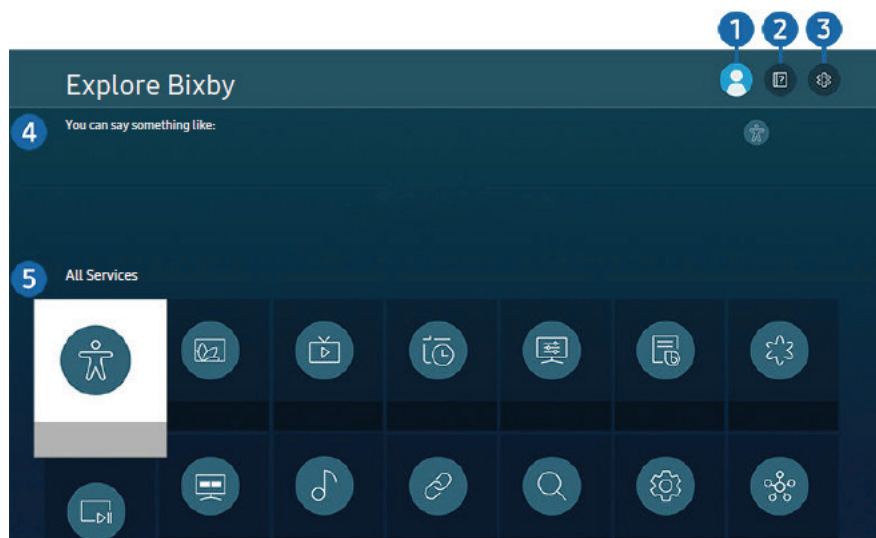
Sorts the content list.

3 Options

Deletes or plays the selected media content in the media content list. When you select Refresh, the content list is reloaded.

■ Bixby

Set Voice Assistant to Bixby. Speak into the microphone on your Samsung Smart Remote or TV to control your TV.



1 My Profile

Log out after going to the My Profile screen.

2 Tutorials

Sorts the content list.

3 Settings

You can change the settings for using Bixby.

4 **Recommended commands**

Displays recommended commands you can use to control the TV with Bixby given the current context.

5 **All Services**

You can learn the voice commands that let you use Bixby in various situations. Use the directional buttons to move to the desired command, and then press the Select button. You can operate the TV with various voice commands.

■ Game Bar

Control the Game Settings Monitoring and Game Enhancer Settings easily by using the Game Bar.



1 Input Lag

Shows the Input Lag of the game. When Game Motion Plus is Off, the game operates with the minimum input lag.

2 FPS (Frames Per Second)

Shows the frame rate per second in real time. The frame rate changes when VRR is active.

3 HDR

Shown as On when HDR Game is being played.

4 VRR (Variable Refresh Rate)

Shows the corresponding value when FreeSync or VRR function is active.

- ON, OFF, FreeSync Premium, FreeSync Premium pro

5 Sound Output

Shows the audio device in which sound is being output. (e.g. TV speaker, Sound bar, Bluetooth headset, etc.)

6 Screen Ratio

You can change the screen ratio from 16:9 (previous setting) to Ultra wide (21:9 or 32:9).

16:9	21:9	32:9
		

7 Screen Position

When setting the screen ratio to Ultra wide (21:9 or 32:9), you can use the Up/Down directional button on the remote control to move the screen up or down from the middle.

8 Game Mode Settings

Moves the menu to Game Mode Settings.

9 Troubleshooting

When any problem occurs while operating the Game Bar, see the troubleshooting guide here.

■ Multi View

Watch what's on your TV and your mobile on the same screen at the same time. Whether it's live stats for sports or video guides for games, simply connect your phone and multi-screen like never before.



1 Select content from this app/source.

You can select from the content list displayed above.

2 ▷ Change app/source.

You can change the content for the selected window.

2 Select App/Source (Content Selection Mode)

You can change the content for the selected window. To enter Content Selection Mode, press and hold the Select button on the Samsung Smart Remote.

3 🖱️ (Change screen size.)

Selects the desired size of Multi View.

4 🖱️ (Set Picture-in-Picture.)

Selects the position of a small screen on the full screen. The focusing left or right screen appears as small window.

5 🔊 (Listen to the sound from two screens.)

You will hear the sound of both screens at the same time by adjusting the ratio of each screens sound.

6 🗑️ (Delete screen.)

You can delete the selected screen.

7 🔊 (Connect Bluetooth Speaker.)

You can hear the sound by connecting the Bluetooth speaker.

8 ➡️ (Exit to full screen.)

Multi View is ended and then the full screen appears.

9 Save & Exit

You can save the layout of the current Multi View before closing the function.

2-5. Supported subtitles

■ Subtitle formats

Name	Format
MPEG-4 Timed text	.ttxt
SAMI	.smi
SubRip	.srt
SubViewer	.sub
Micro DVD	.sub or .txt
SubStation Alpha	.ssa
Advanced SubStation Alpha	.ass
SMPTE-TT Text	.xml

■ Video formats with subtitles

Name	Format
Xsub	AVI
SubStation Alpha	MKV
Advanced SubStation Alpha	MKV
SubRip	MKV
VobSub	MKV
MPEG-4 Timed text	MP4
TTML in smooth streaming	MP4
SMPTE-TT Text	MP4
SMPTE-TT PNG	MP4

■ Supported image formats and resolutions

File extension	Format	Resolution
*jpg *jpeg	JPEG	15360 x 8640
*png	PNG	4096 x 4096
*bmp	BMP	4096 x 4096
*mpo	MPO	15360 x 8640
*.heic	HEIF	12000 x 9000



The MPO format is supported partly.



HEIF supports only the single image of grid type (grid) and its minimum resolution must be at least 512 pixels in width or height.

■ Supported music formats and codecs

File extension	Format	Codec	Note
*.mp3	MPEG	MPEG1 Audio Layer 3	
*.m4a *.mpa *.aac	MPEG4	AAC	
*.flac	FLAC	FLAC	Supports up to 2 channels
*.ogg	OGG	Vorbis	Supports up to 2 channels
*.wma	WMA	WMA	WMA is supported up to 10 Pro 5.1 channels. WMA lossless audio is not supported.
*.wav	wav	wav	
*.mid *.midi	midi	midi	Supports type 0 and type 1. Seek is not supported. Supports USB device only.
*.ape	ape	ape	
*.aif *.aiff	AIFF	AIFF	
*.m4a	ALAC	ALAC	

■ Supported video codecs

- 32Q6*A model and AU8/AU7/BEA Series

File format	Container	Video codecs	Resolution	Frame rate (fps)	Bitrate (Mbps)	Audio codecs			
*.avi *.mkv *.asf *.wmv *.mp4 *.mov *.3gp *.vro *.mpg *.mpeg *.ts *.tp *.trp *.flv *.vob *.svi *.m2ts *.mts	AVI MKV ASF MP4 3GP MOV FLV VRO VOB PS TS SVAF	H.264 BP/MP/HP	3840 x 2160	3840 x 2160: 30 1920 x 1080: 60	50	Dolby Digital LPCM ADPCM(IMA, MS) AAC HE-AAC WMA Dolby Digital+ MPEG(MP3) AC-4 G.711(A-Law, μ-Law) OPUS			
		HEVC (H.265 - Main, Main10)		60	50				
		Motion JPEG	1920 x 1080	60	20				
		MVC							
		MPEG4 SP/ASP							
		Window Media Video v9 (VC1)							
		MPEG2							
		MPEG1							
		Microsoft MPEG-4 v1, v2, v3							
		Window Media Video v7 (WMV1), v8 (WMV2)		30					
		H.263 Sorrenson							
		VP6							
		AV1	3840 x 2160	60	40				
		*.webm	WebM	VP8	1920 x 1080		60	20	Vorbis
				VP9 (Profile 0, profile 2 supported)	3840 x 2160		60	50	
				AV1	3840 x 2160		60	40	
		*.rmvb	RMVB	RV8/9/10 (RV30/40)	1920 x 1080		60	20	RealAudio 6

■ Other Restrictions

- Codecs may not function properly if there is a problem with the content.
- Video content does not play or does not play correctly if there is an error in the content or container.
- Sound or video may not work if they have standard bit rates/frame rates above the TV's compatibility ratings.
- If the Index Table is has an error, the Seek (Jump) function will not work.
- When playing video over a network connection, the video may not play smoothly because of data transmission speeds.
- Some USB/digital camera devices may not be compatible with the TV.
- HEVC codec is only available in MKV / MP4 / TS containers.
- The MVC codec is supported partly.

■ Video decoders

- H.264 UHD is supported up to Level 5.1, and H.264 FHD is supported up to Level 4.2 (TV does not support FMO / ASO / RS).
- HEVC UHD is supported up to Level 5.1, and HEVC FHD is supported up to Level 4.1.
- VC1 AP L4 is not supported.
- GMC 2 or above is not supported.

■ Audio decoders

- WMA is supported up to 10 Pro 5.1 channels, M2 profile.
- WMA1, WMA lossless / Voice are not supported.
- QCELP and AMR NB/WB are not supported.
- Vorbis is supported for up to 5.1 channels.
- Dolby Digital+ is supported for up to 5.1 channels.
- The supported sample rates are 8, 11.025, 12, 16, 22.05, 24, 32, 44.1, and 48 KHz, and differ with the codec.