

## 2.1 Detailed Specifications

Item	UE**E90****
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Item		UE P80
General Information	Product	LED
	Series	8
Display	Inch	40" / 46" / 55"
	Resolution	1,920 x 1,080
	Ultra Clear Panel	Yes
Video	Picture Engine	3D HyperReal Engine
	Clear Motion Rate	1000
	Dynamic Contrast Ratio	Mega Contrast
	Micro Dimming	Micro Dimming Ultimate
	Precision Black (Local Dimming)	No
	Wide Color Enhance (Plus)	Yes
	Auto Motion Plus 120/240Hz	240Hz
	Film Mode	Yes
	Natural Mode Support	Yes
Audio	Dolby	Dolby Digital Plus / Dolby Pulse
	SRS / DNSe+	DNSe+
	dts 2.0 + Digital Out / DTS Premium Audio	DTS Premium Audio
	3D Sound	Yes
	Sound Customizer	Yes
	Speaker Type	Down Firing + Full Range
	Sound Output (RMS)	40W(10 x 2, woofer 10 x 2)
	Woofer	Yes
Smart TV 2.0	Smart Hub	Yes
	Smart Guide	17 EU Countries
	movies & TV shows	Yes (FR, DE, ES, AT, CH)
	Apps	Yes
	Social	Yes
	Photos, Clips & Music	Yes
	Family Story	Yes
	Fitness	Yes
	Kids	Yes
	Samsung Smart View	Yes
	Recommendation Bar	17 EU Countries
	Web Browser	Yes
	Web Browser	Yes

## 2. Product specifications

	Item	UE**F80****
Smart Interaction 2.0	Camera Built-in	Yes
	Face Recognition	Yes
	Hand Gesture Recognition	Yes
	Voice Recognition (Embedded)	Yes
	Voice Recognition (Server)	Yes
	NLU (Natural Language Understanding)	Yes (FR, DE)
	Camera App	Yes
	Smasung TV Apps supported	Yes
Feature	Samsung 3D	Yes
	3D Converter	Yes
	History	Yes
	MultiTasking	Yes
	Smart Evolution Support	Yes
	Allshare (Contens Sharing, Screen Mirroring)	Yes
	ConnectShare (USB 2.0)	Movie
	WiFi Direct	Yes
	Wireless LAN Built-in	Yes
	BT HID Bulit-in	Yes
	USB HID Support	Yes
	Sound Share	Yes
	OSD Language	26 European Languages
	User Interface	Golden bridge
	Digital Noise Filter	Yes
	MHL	Yes
	InstaPort 5 (HDMI Quick Switch)	Yes
	HDMI 1.4 3D Auto Setting	Yes
	HDMI 1.4 A / Reture Ch. Support	Yes
	EPG	Yes
	2 Tuner	Yes
	HbbTV	Yes (CZ, PL, DE, AT, CH, BE, NL, LU, PT, FR, ES)
	Teletext(TTX)	Yes
	Anynet+ (HDMI-CEC)	Yes
	BD Wise Plus	Yes
	Auto Channel Search	Yes
	Auto Power Off	Yes
	Auto Volume Leveler	Yes
	Cation (Subtitle)	Yes
	Clock & On/Off Timer	Yes

Item		UE**F80****
Feature	Game Mode	Yes
	Soccer Mode	Advanced
	Picture-In-Picture	Yes
	Sleep Timer	Yes
	Channel List USB-Clone	Yes
	Embedded POP	Yes
System	DTV Tuner	2 * DVB-T2/C/S2(T2CS2) 2 * DVB-T/C/S2(TCS2)
	Analog Tuner	Yes
	CI / CI+	Yes
Input & Output	HDMI	4
	USB	3
	Component In (Y/Pb/Pr)	1
	Composite In (AV)	1 (1 Common Use for Component Y)
	Ethernet (LAN)	1
	Digital Audio Out (Optical)	1
	Audio Out (Mini Jack)	1
	RF In(Terrestrial/Cable input)	1
	RF In(Satellite input)	2
	RS232C (AV CONTROL)	Yes
	IR Out	Yes
	CI Slot	1
	Scart	1
Design	Design	Metal
	Bezel Type	SNB
	Slim Type	Slim 2
	Front Color	Black
	Light Effect (Deco)	Yes
	Stand Type	Arch
	Push & Pull Camera	Yes
ECO	Energy Efficiency Class	TBD
	Eco Mark	EU Ecolabel
	Eco Label	Yes
	Eco Sensor	Yes
Accessory	3D Active Glasses (Included)	2SSG-5100GB
	IR Blaster Cable (Included)	Yes
	Remote Controller Model	TM1390 / TM1240A
	Battery (for Remote Control)	Yes
	Mini Wall Mount Support	Yes

2. Product specifications

Item		UE**F80****
Accessory	Ultra Slim Wall Mount Soupport	Yes
	Vesa Wall Mount Support	Yes
	Slim Gender Cable	1AV, 1 Component(AV share), 1L/R
	Power Cable	Yes
	User manual	Yes
	E-maual	Yes

## 2-2. Other Specifications


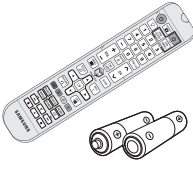



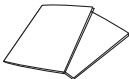

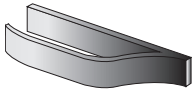



Model	UE40F80****	
Item	Description	
LCD Panel	40 inch FHD 240Hz	
Scanning Frequency	Horizontal : 67.5 kHz (TYP) Vertical : 60 Hz (TYP)	
Display Colors	Wide Color Enhancer Plus	
Maximum Resolution	Horizontal : 1,920 Pixels Vertical : 1,080 Pixels	
Input Signal	Analog 0.7 Vp-p ± 5% positive at 75Ω, internally terminated	
Input Sync Signal	H/V Separate, TTL, P. or N.	
Maximum Pixel Clock Rate	160 MHz	
Active Display (H x V)* * Horizontal x Vertical	34.867 (H) × 19.613 (V) inches / 885.6 (H) × 498.15 (V) mm	
AC Power Voltage & Frequency	AC220-240V 50/60Hz	
Power Consumption	<ul style="list-style-type: none"><li>Typical power : 66 W</li><li>Rating for including Evolution Kit : 146 W</li></ul>	
Dimensions (W x D x H)	Set with Stand	900.2 x 235.0 x 559.0 mm
	Set without Stand	900.2 x 34.9 x 525.0 mm
Weight	Set with Stand	11.2 kg
	Set without Stand	10.3 kg
TV System	Tuning	Frequency Synthesize (Refer to detailed Frequency Table)
	System	<ul style="list-style-type: none"><li>UF80** ZG/XH/ZT/XE/XU<ul style="list-style-type: none"><li>1 PAL/SECAM/NIM/QAM/Cable/T2/S2 tuner</li></ul></li><li>UF80** ZG(Germany only) other EU<ul style="list-style-type: none"><li>1 PAL/SECAM/NIM/QAM/Cable/S2 tuner</li></ul></li></ul>
	Sound	Dolby Digital+, SRS theater HD
Environmental Considerations	Operating Temperature : 50°F ~ 104°F (10°C ~ 40°C) Operating Humidity : 10% ~ 80%, non-condensing Storage Temperature : -13°F ~ 113°F (-25°C ~ 45°C) Storage Humidity : 5% ~ 95%, non-condensing	
Audio Specifications	MAX Internal Audio Output Power : Each 20 W (Left/Right)	
Note : 3D, MoIP, Media Bridge, Allshare, Internet TV, Built-in Wi-Fi, Full Browser, Bluetooth		

## 2. Product specifications

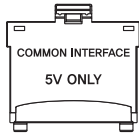


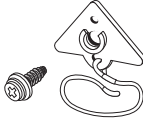

Model	UE46F80****	
Item	Description	
LCD Panel	46 inch FHD 240Hz	
Scanning Frequency	Horizontal : 67.5 kHz (TYP) Vertical : 60 Hz (TYP)	
Display Colors	Wide Color Enhancer Plus	
Maximum Resolution	Horizontal : 1,920 Pixels Vertical : 1,080 Pixels	
Input Signal	Analog 0.7 Vp-p ± 5% positive at 75Ω, internally terminated	
Input Sync Signal	H/V Separate, TTL, P. or N.	
Maximum Pixel Clock Rate	160 MHz	
Active Display (H x V)* * Horizontal x Vertical	40.177165 (H) x 22.625984 (V) inches / 1020.5 (H) x 547.7 (V) mm	
AC Power Voltage & Frequency	AC220-240V 50/60Hz	
Power Consumption	<ul style="list-style-type: none"><li>• Typical power : 71 W</li><li>• Rating for including Evolution Kit : 157 W</li></ul>	
Dimensions (W x D x H)	Set with Stand	1032.7 x 257.7 x 629.5 mm
	Set without Stand	1032.7 x 34.9 x 596.9 mm
Weight	Set with Stand	14.0 kg
	Set without Stand	12.8 kg
TV System	Tuning	Frequency Synthesize (Refer to detailed Frequency Table)
	System	<ul style="list-style-type: none"><li>• UF80** ZG/XH/ZT/XE/XU<ul style="list-style-type: none"><li>– 1 PAL/SECAM/NIM/QAM/Cable/T2/S2 tuner</li></ul></li><li>• UF80** ZG(Germany only) other EU<ul style="list-style-type: none"><li>– 1 PAL/SECAM/NIM/QAM/Cable/S2 tuner</li></ul></li></ul>
	Sound	Dolby Digital+, SRS theater HD
Environmental Considerations	Operating Temperature : 50°F ~ 104°F (10°C ~ 40°C) Operating Humidity : 10% ~ 80%, non-condensing Storage Temperature : -13°F ~ 113°F (-25°C ~ 45°C) Storage Humidity : 5% ~ 95%, non-condensing	
Audio Specifications	MAX Internal Audio Output Power : Each 20 W (Left/Right)	
Note : 3D, MoIP, Media Bridge, Allshare, Internet TV, Built-in Wi-Fi, Full Browser, Bluetooth		

Model	UE55F80****	
Item	Description	
LCD Panel	55 inch FHD 240Hz	
Scanning Frequency	Horizontal : 67.5 kHz (TYP) Vertical : 60 Hz (TYP)	
Display Colors	Wide Color Enhancer Plus	
Maximum Resolution	Horizontal : 1,920 Pixels Vertical : 1,080 Pixels	
Input Signal	Analog 0.7 Vp-p ± 5% positive at 75Ω, internally terminated	
Input Sync Signal	H/V Separate, TTL, P. or N.	
Maximum Pixel Clock Rate	160 MHz	
Active Display (H x V)* * Horizontal x Vertical	47.716535 (H) x 26.866142 (V) inches / 1212.0 (H) x 682.4 (V) mm	
AC Power Voltage & Frequency	AC220-240V 50/60Hz	
Power Consumption	<ul style="list-style-type: none"><li>Typical power : 76 W</li><li>Rating for including Evolution Kit : 182 W</li></ul>	
Dimensions (W x D x H)	Set with Stand	1224.2 x 310.3 x 736.7 mm
	Set without Stand	1224.2 x 34.9 x 704.6 mm
Weight	Set with Stand	18.3 kg
	Set without Stand	16.8 kg
TV System	Tuning	Frequency Synthesize (Refer to detailed Frequency Table)
	System	<ul style="list-style-type: none"><li>UF80** ZG/XH/ZT/XE/XU<ul style="list-style-type: none"><li>1 PAL/SECAM/NIM/QAM/Cable/T2/S2 tuner</li></ul></li><li>UF80** ZG(Germany only) other EU<ul style="list-style-type: none"><li>1 PAL/SECAM/NIM/QAM/Cable/S2 tuner</li></ul></li></ul>
	Sound	Dolby Digital+, SRS theater HD
Environmental Considerations	Operating Temperature : 50°F ~ 104°F (10°C ~ 40°C) Operating Humidity : 10% ~ 80%, non-condensing Storage Temperature : -13°F ~ 113°F (-25°C ~ 45°C) Storage Humidity : 5% ~ 95%, non-condensing	
Audio Specifications	MAX Internal Audio Output Power : Each 20 W (Left/Right)	
Note : 3D, MoIP, Media Bridge, Allshare, Internet TV, Built-in Wi-Fi, Full Browser, Bluetooth		

## 2-3. Accessories

Product	Description	Code. No	Remark
	Smart Touch Control & Batteries (AAA x 2)	AA59-00759A	Supplied Accessories
	Remote Control & Batteries (AAA x 2)	AA59-00786A	
	Power Cord	0502-001331	
	3D Active Glasses	BN96-25616A	
	User Manual & Regulatory Guide	BN68-04794F / BN68-04972A	
	Quick Start Guide / Warranty Card	BN68-05118A / BN68-03548J	
	Scart Adapter	BN39-01154A	
	Cable Clip	BN61-08951A	
	AV Adapter	BN39-01154A	
	Component Adapter	BN39-01154C	
	Screw Cover	BN67-00427A	



Product	Description	Code. No	Remark
	CI Card Adapter	3709-001791	Supplied Accessories
	Power inlet cover	BN63-10567A	
	Wall mount adapter	BN96-27421A	
	TV-Holder Kit	BN96-26735A	
	IR Blaster Cable	BN96-26652A	

**NOTE**

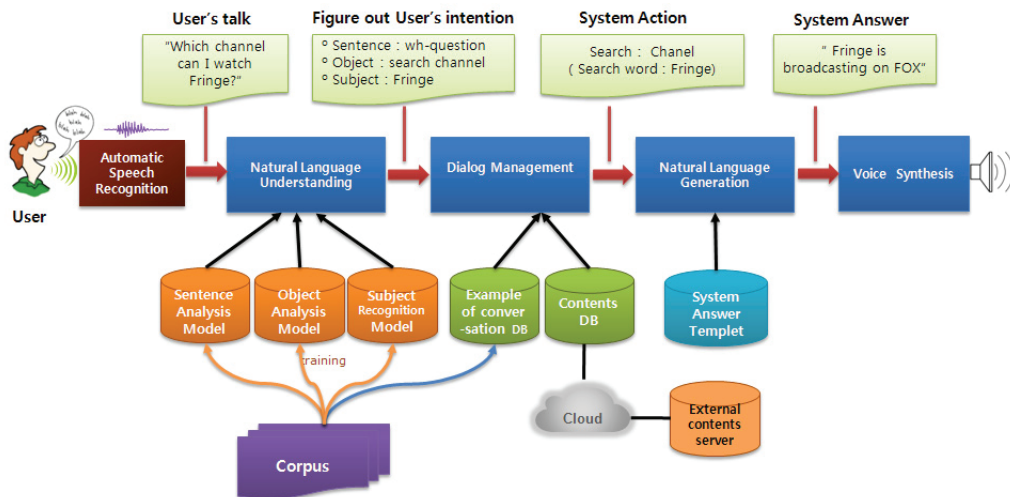
The part code for some accessories may differ depending on your region.

## 2-4. Viewing the Functions

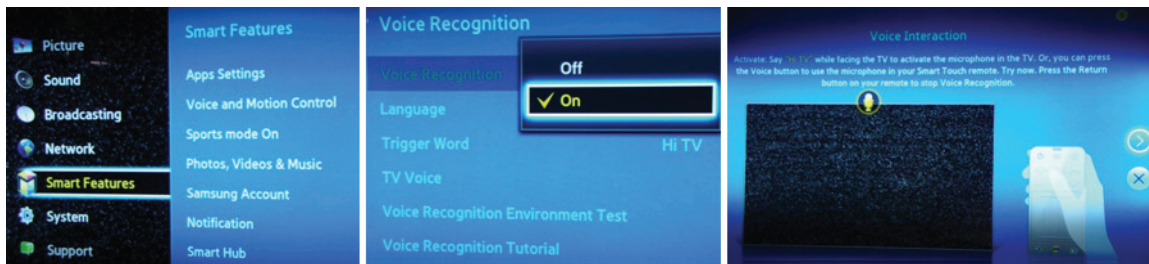
### 2-4-1. SMART Interaction

#### ■ Voice Recognition

- Conversation with TV by Human Talks.
- TV answer or execute about User's Talks.



#### Start to use Voice Recognition



Voice Recognition

Voice Recognition On

Voice Recognition Tutorial

#### Example of Broadcasting & Contents

- Search Program title (on air) "What's the title?"
- Recommend/Search Program (Channel) "Something interesting program?"
- Search the specific Genre of contents "Which channel is on NEWS?"
- Search the specific Program title "Find "American Idols"
- Search the program by performer "Find channel which Oprah Winfrey appear"
- Change Channel by calling the channel "FOX, USA Network, CWTY, NBC, ..."



#### NOTE

- Support Genre

DRAMA	MOVIE	CARTOON	ENTERTAINMENT
SPORTS	HOBBY	MUSIC	EDUCATION
SHOPPING	NEWS	CURRENT EVENTS	CULTURE

## ■ Motion Recognition

- One-Hand Motion Control



Slightly shake the hand forward to TV

**Degree** : front/left/right 45 degree

- Two-Hand Motion Control

[Case 1] Recognize one hand



Slightly shake the hand forward to TV

[Case 2] Recognize two hands



Slightly shake two hands forward to TV

## Motion Recognition

- Pointing Mode Command Set



**Slap** : Free Pointing



**Grab** : Execute



**Grab & Move** : Panning



**CCW Rotation** : Back



Same as "Return" key on remote.

- Special Command Set ('13 New Functions)



**Slap** : Move SMART HUB Window, Photo



**Two-Handed** : Zoom In/Out



**Slap** : Move SMART HUB Window, Photo



**Rotation** : Rotating Photo



## 2-4-2. Smart Control

The Smart Touch Control makes it easier and more convenient to use the TV. For example, you can use the remote control's built-in touchpad to move the focus and make selections as you would on a computer using a mouse. In addition, you can use the virtual control panel displayed on the screen to change channels, play media files, and access favorites.

### ■ Connecting to the TV

In order to operate the TV using a Smart Touch Control unit, you must first pair it to the TV via Bluetooth.

1. To turn on the TV, point the Smart Touch Control at the remote control receiver of the TV and press the TV button. The remote control receiver's location may vary depending on the model.
2. A Bluetooth icon will appear at the bottom left of the screen as shown below. The TV will then attempt to connect to the Smart Touch Control unit automatically



<Attempting to connect and completion icons>

### ■ Reconnecting the Smart Touch Control Unit

If you need to reestablish the connection between the TV and the Smart Touch Control unit, press the pairing button at the back of the Smart Touch Control unit.



<The Smart Touch Control unit's pairing button>

The pairing button can be accessed by removing the control unit's battery cover. Pressing the pairing button automatically reestablishes the connection between the control unit and the TV.












## ■ Buttons and Descriptions



### Touchpad

Drag your finger on the touchpad as you would on the touchpad of a laptop to move the focus displayed on the screen. To select item, press the touchpad.

### <The Smart Touch Control>

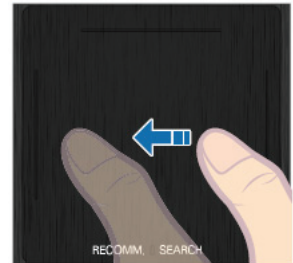
 <b>TV</b> Turns the TV on/off.	 <b>^ P v</b> Changes the channel.
 <b>SOURCE</b> Changes the source.	<b>MORE</b> Displays a virtual remote control on the screen. The virtual remote control consists of a number panel, a playback control panel, and a quick access panel. Use the touchpad to select numbers and buttons.
 <b>STB</b> Turns on and off the satellite or cable set-top box connected to the TV. For this, the Smart Touch Control must be configured as a universal remote control.	 The colour buttons work differently, depending on the function that the TV is currently performing.
 <b>VOL</b> Adjusts the volume.	 <b>RETURN/EXIT</b> Returns to the previous menu.
 <b>VOICE</b> Run Voice Recognition. To speak a voice command, press and hold the <b>VOICE</b> button and say a voice command.	 <b>SMART HUB</b> Launch Smart Hub. While an application is running, pressing the Smart Hub button terminates the application.
 <b>MUTE / AD</b> Turns the TV sound on/off.	 <b>GUIDE</b> Check the digital channel broadcasting schedule.

### ■ Reconnecting the Smart Touch Control Unit

Use the touchpad to perform various commands. Navigate to Guide (**System** → **Device Manager** → **Smart Touch Control Settings** → **Guide**) to view an on-screen guide to using the Smart Touch Control.

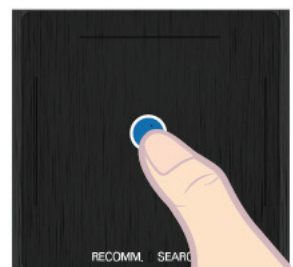
- Dragging

Drag on the touchpad in the desired direction. Move the focus or the pointer in the direction the finger is dragging.



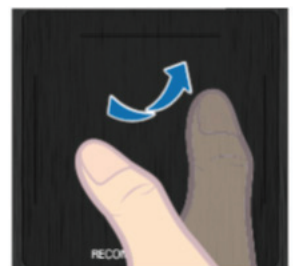
- Tap

Tap on the touchpad. This selects the focused item.



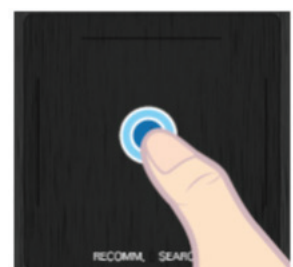
- Flicking

Flick on the touchpad in the desired direction. This moves the focus or scrolls the screen based on the direction and speed of the flick.



- Tapping and Holding

Tap and hold on the touchpad for at least 3 seconds. This gives you access to hidden features included in certain applications.



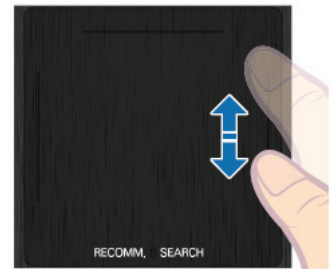
- Tapping and Dragging

Tap on the touchpad, drag and release. This moves the selected web item in a webpage or your current location on a map.



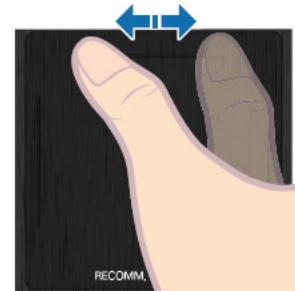
- Scrolling Up/Down

Scroll up/down the line on either the left or right edge of the touchpad. This scrolls a webpage or a list up/down. This scrolling feature easily accommodates both right-handed and left-handed users.



- Scrolling Left/Right

Scroll left/right on the line at the top or bottom edge of the touchpad. This scrolls a horizontal webpage or the Smart Hub panel to the left/right.





## 2-4-3. SMART HUB

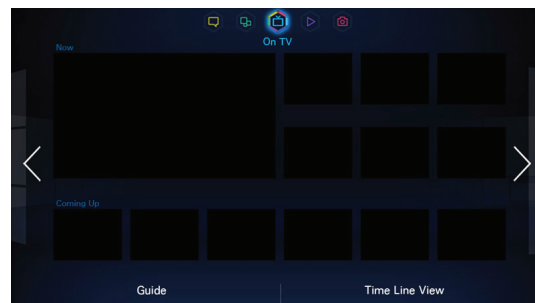
This TV features Smart Hub, a multi-purpose entertainment and family center. With Smart Hub, users can surf the web, download applications, and stay in touch with family and friends through social networking services. In addition, you can enjoy photo, video, and music files stored on external storage devices.



### On TV

This functions is only available on U.S and Canada.

While you watch TV, a list of recommended programs on other channels appears on the screen. You can use this list to change the channel and find out more information about the recommended programs including how much time is left until they air.



### Movies & TV Shows

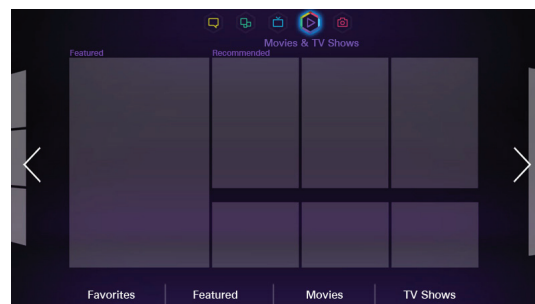
Purchase and watch movies and series without a separate external device.

This functions is only available on U.S and Canada.

Users can buy movies and TV shows online.

Open Smart Hub and select Movies & TV Shows.

This service may be not available depending on the country or region.

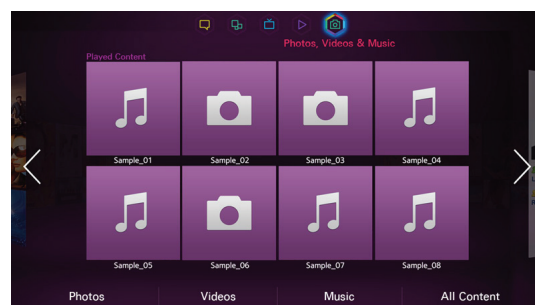


### Movies & TV Shows

Play back photo, video, and music files from an external storage device.

Open Smart Hub and select Photos, Videos & Music.

Enjoy photo, video and music files from an external storage device directly on your TV. Back up important files before connecting an external storage device to the TV. Samsung will not be held responsible for damaged or lost files.

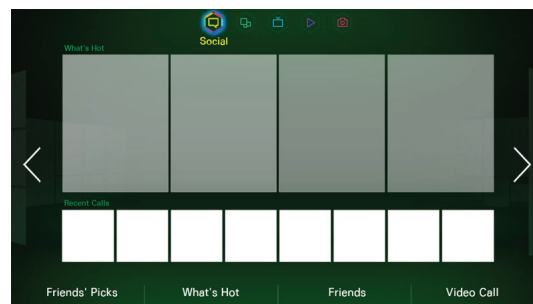




## Social



Watch the latest YouTube videos and you and your friends' video posts on Facebook and Twitter. You can also make video calls to friends by connecting the TV to a camera (sold separately).

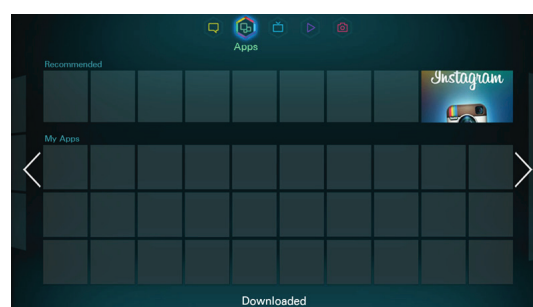


## Apps



Download and install applications such as WebBrowser and Family Tree.

Samsung Apps offers an extensive collection of free and paid news, sports, weather, and gaming content you can directly download to and enjoy on your TV. First, check the network and make sure the TV is connected to the Internet. Your TV needs to be connected to the Internet in order to use Apps.



- Samsung Apps**  
 Samsung Apps offers various free and paid news, sports, weather, and gaming applications. Samsung Apps lets you search for applications and install them directly on your TV. Read and agree to the terms and conditions of use and then browse through the categories or directly search for applications.
- Fitness**  
 Fitness is an application that helps you stay fit. Create a profile, set up an exercise plan, and start exercising according to a structured regimen. Read and agree to the terms and conditions before using Fitness.
- Family Story**  
 Family Story allows people to share photos, messages and events with family and friends. Family Story is available on TVs, computers, and mobile devices, allowing you to stay connected with your friends and loved ones at home, at the office, and even while on the go. Read and agree to the terms and conditions before using Family Story.
- Kids**  
 This is a quick launcher and recommended list for applications and content that is suitable for children and even provides services not currently installed on your TV. Using Kids, you can download applications and content for your children to your TV. Certain services, however, are fee-based.
- WebBrowser**  
 WebBrowser is a web-browsing application. Using WebBrowser, you can browse the Internet on your TV as you would on your computer and even watch TV while you surf the web. The browsing experience, however, may not be the same as it is on your computer. Use a keyboard and mouse for a more convenient web browsing experience.
- Social Networks**  
 Share your thoughts and comments about a program on the air through social networking services. Social Networks displays social network services such as Twitter, Facebook, Google Talk, and NateOn on a single screen. You can even post messages and comments in the same manner as you would using a computer. You must first link your Samsung account to the respective SNS accounts before you can access them using Social Networks.

## 2-4-4. Supported Formats

### ■ Supported Subtitle Formats

#### Exterminal

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	File Extension
Xsub	AVI
SubStation Alpha	MKV
Advanced SubStation Alpha	MKV
SubRip	MKV
MPEG-4 Timed text	MP4

### ■ Supported Music File Formats

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

## ■ 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 *.m2ts *.mts *.divx	AVI MKV ASF MP4 3GP MOV FLV VRO VOB PS TS SVAIF	Divx 3.11 / 4 / 5 / 6	1920 x 1080	6~30	30	AC3 LPCM ADPCM(IMA, MS) AAC HE-AAC WMA DD+ MPEG(MP3) G.711(A-Law, μ-Law)
		MPEG4 SP/ASP				
		H.264 BP/MP/HP				
		Motion JPEG				
		Microsoft MPEG-4 v3	1280 x 720			
		Window Media Video v7,v8				
		Window Media Video v9	1920x1080			
		MPEG2				
		MPEG1				
		MVC	640 x 480		4	
		VP6		24/25/30	60	
		*.webm	WebM	VP8	1920 x1080	

## ■ Other Restrictions

Codecs may not function properly if there is a problem with the content data. 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 wrong, the Seek (Jump) function does 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 player.

## ■ Video Decoders

- Supports up to H.264, Level 4.1 (does not support FMO/ASO/RS)
- VC1 AP L4 is not supported.
- All video codecs excluding WMV v7, v8, MSMPEG4 v3, MVC, and VP6:
  - Below 1280 x 720: 60 frame max
  - Above 1280 x 720: 30 frame max
- GMC is not supported.
- Supports SVAF top/bottom and left/right only.
- Supports Blu-ray/DVD MVC specs only.

## ■ Audio Decoders

- WMA 10 Pro supports up to 5.1 channels. Supports up to M2 profile. (Excluding M0 LBR mode)
- WMA lossless audio is not supported.
- Vorbis is supported for up to 2 channels.
- DD+ is supported for up to 5.1 channels.

## 2-4-5. Satellite System Guide

Screen Menu > Broadcasting > Channel Settings > Satellite System

A set of satellite dish settings must be configured for each wanted satellite before performing a channel scan. Satellite System is available when Aerial is set to Satellite.



### NOTE

The PIN input screen appears. Enter your 4 digit PIN number.

- **Satellite Selection:** You can choose the satellites for this TV.
- **LNB Power:** Enables or disables the power supply for the LNB.
- **LNB Settings:** Configures the outdoor equipment.
  - Satellite:** Selects the satellite for receiving digital broadcasts.
  - Transponder:** Selects a transponder from the list or adds a new transponder.
  - DiSEqC Mode:** Selects DiSEqC mode for the selected LNB.
  - Lower LNB Oscillators:** Sets the LNB oscillators to a lower frequency.
  - Upper LNB Oscillators:** Sets the LNB oscillators to a higher frequency.
  - Tone 22 kHz:** Selects the Tone 22 kHz depending on the LNB type. For a universal LNB it should be Auto.
- **SatCR/Unicable Settings:** Configure single cable installation.



### NOTE

- SatCR is short for satellite channel router.
- This function may not support depending on the country.

**SatCR/Unicable:** Enables or disable single cable installation support.

**Slot Number (Tuner 1), Slot Number (Tuner 2):** Select the SatCR user slot number for this receiver.

**Slot Frequency (Tuner 1), Slot Frequency (Tuner 2):** Enter the appropriate frequency to receive the signal from SatCR.

**Detect Slot Frequency:** Auto-detect the signal frequency for the selected slot number.

**Verify Slot Frequency:** Verify that the frequency entered corresponds to the selected slot.

- **Positioner Settings:** Configures the aerial positioner.
  - Positioner:** Enables or disables the positioned control.
  - Positioner Type:** Sets the positioned type between DiSEqC 1.2 and USALS (Universal Satellite Automatic Location System).
    - My Longitude: Sets the longitude for my location.
    - My Latitude: Sets the latitude for my location.
    - Satellite Longitude Settings: Sets the longitude of user defined satellites.
  - User Mode:** Sets the position of satellite aerial according to each satellite.

If you store the current position of satellite aerial according to a certain satellite, when the signal of that satellite is needed, the satellite aerial can be moved to pre-populated position.

- **Satellite:** Selects the satellite to set the position for.
- **Transponder:** Selects a transponder from the list for signal reception.
- **Moving Mode:** Selects the movement mode between discrete and continuous movement.
- **Step Size:** Adjusts the step size degrees for the aerial rotation. Step Size is available when Moving Mode is set to Step.
- **Go To Stored Position:** Rotates the aerial to the stored satellite position.
- **Aerial Position:** Adjusts and stores the aerial position for the selected satellite.
- **Store Current Position:** Stores current position as the selected positioner limit.

- **Installer Mode:** Sets limits to the scope of movement of satellite aerial or reset the position. Generally, installation guide uses this function.
  - Limit Position: Selects the direction of the positioner Limit.
  - Aerial Position: Adjusts and stores the aerial position for the selected satellite.
  - Store Current Position: Stores the current position as the selected positioner Limit.
  - Go to zero: Moves the aerial to the reference position.
  - Reset positioner limit: Allows the aerial to rotate over the full arc.
- Reset All Settings: All satellite settings will be reset to the initial values.

## ■ Scanning for Satellite Channels

Screen Menu > Broadcasting > Channel Settings > Manual Tuning

Press Scan after setting the items below.

- **Transponder**  
Selects the transponder.
- **Scan Mode**  
Selects either free or all channels to store.
- **Network Search**  
Enable / Disable network search.
- **Signal Quality**  
Display the current status of broadcasting signal.
- **Network Name**  
This displays the name of the network that is found.



### NOTE

- Information on a satellite and its transponder is subject to change depending on the broadcasting conditions.
- When setting is completed, move to Search. Channel scan is started.