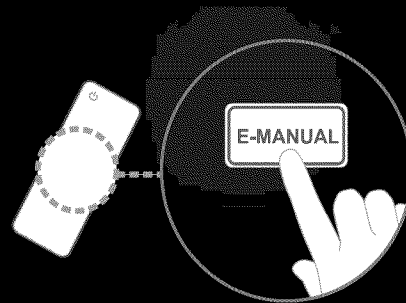




E-MANUAL





imagine the possibilities

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To receive more complete service, please register
your product at

www.samsung.com/register

Model _____ Serial No. _____

Change Password: The **Change Password** function lets you change your Smart Hub password. To change the password, follow these steps:

1. Select **Change Password**, and then press the **ENTER**  button.
2. Enter your current password. The next screen appears.
3. On the next screen, enter a new password on the first line. Enter it again on the second line to confirm.
4. The **Changing Password Complete** message screen appears. Press the **ENTER**  button or wait for the screen to close - about 5 seconds.

Remove from TV Account List: The **Remove From TV Account List** function cancels all your current registered Service Accounts that you registered on the **Register Service Account** screen.

Deactivate Account: The **Deactivate Account** function deactivates your **Smart TV ID** and deletes it and all your account settings entirely from **Smart Hub**.



- **Service Manager**

Ticker Autorun: You can set **Ticker Autorun** to come on when powering on the TV.

☑ The **Ticker** application provides useful News, Weather, and Stock Market information. The **Ticker** application on **Smart Hub** must be downloaded to use this feature.


☑ Depending on your country, the **Ticker** application may have a different service or not be supported.

Channel Bound Service (Off / On): Some channels support applications as an Internet data service, allowing you to access the Internet service while watching TV.

☑ Only available if supported by the broadcaster

- **Reset:** The **Reset** function initializes all downloaded applications, erases all user accounts and settings from the player, and resets all Smart Hub settings to the factory default settings. It then restarts **Smart Hub** as if it were starting for the first time. Your account, however, remains on the Smart Hub server. To log into your account, enter your ID and password on the Login screen.

To use the **Reset** function, follow these steps:

1. In the **Account Management** menu, select **Reset**, and then press the **ENTER**  button. The **Reset** screen appears.

2. Enter the your security password.

☑ The default password set is “0-0-0-0.”

☑ If you forget the password you created, press the following sequence of remote control buttons to reset the password to “0-0-0-0”: **POWER** (off) → **MUTE** → **8** → **2** → **4** → **POWER** (on).

3. After a few moments, Smart Hub automatically resets. The screen may go black, then Smart Hub re-appears. In a few moments, it starts the re-initialization procedure.

4. To complete the re-initialization, go to Step 4 in Starting Smart Hub for the First Time.

- **Properties**

The Properties menu item lists three functions that display information about Smart Hub :


Detail: Lists information about Smart Hub including version number, the number of services installed, memory usage, and the unique product ID.

Terms of Service Agreement: Display the **Terms of Service Agreement**.




■ Edit Mode

The functions in the **Edit Mode** menu let you manipulate the applications in the My Applications section of the **Smart Hub** screen. Using these functions, you can lock and unlock access to some applications, create folders and move applications to them, rename folders, delete applications, and change the position of applications on the screen. To access the **Edit Mode** Menu, and then select a menu item, follow these steps:

1. Press the **C** button on your remote. The **Edit Mode** menu bar appears on the bottom of the screen.
2. Press the ▲ / ▼ / ◀ / ▶ to select a menu item, and then press the **ENTER**  button.


The functions in the **Edit Mode** Menu bar are described below.



NOTE

- Some menu items may not appear on the screen. To see these items, press the ◀ / ▶ to move to the screen edge, and then press one more time to reveal the items.
- You can close the bar by highlighting the X on the bottom right side, and then pressing the **ENTER**  button.

◀ • **Move** ▶

The **Move** function lets you change the screen position of an application. To use the **Move** function, follow these steps:


1. Press the **C** button on your remote.
2. Select a application, and then press the **ENTER**  button. A ✓ appears above the application.

3. Press the ▲ / ▼ / ◀ / ▶ to select **Move**, and then press the **ENTER**  button. A position change icon appears above the application.
4. Press the ▲ / ▼ / ◀ / ▶ to move the icon. Press the **ENTER**  button when the icon is in the position of your choice. The application moves to its new location.

- **New Folder**

The **New Folder** function lets you create and name new folders. Once you have created a folder, you can move applications into it.

To use the **New Folder** function, follow these steps:

1. Press the **C** button on your remote.
2. Press the ▲ / ▼ / ◀ / ▶ to move the cursor to **New Folder**, and then press the **ENTER**  button. The **Create Folder** window and a keypad appear.

3. Use the keypad to enter the name of the folder.



4. Select **OK**, and then press the **ENTER**  button. The **New Folder** screen closes and the New Folder appears on the Smart Hub screen.

- **Move to Folder**

The **Move to Folder** function lets you move an application to a folder. To use the **Move to Folder** function, follow these steps:

1. Press the **C** button on your remote.

2. Select an application, and then press the **ENTER**  button.

3. Press the ▲ / ▼ / ◀ / ▶ to select **Move to Folder**, and then press the **ENTER**  button. The Move to Folder window opens.
4. Press the ▲ / ▼ / ◀ / ▶ to select a folder, and then press the **ENTER**  button. The **Moved to Folder** message appears, and then closes. The application has been moved to the folder.



To access an application in a Folder

1. Close the **Edit Mode** menu.
2. In My Applications, press the ▲ / ▼ / ◀ / ▶ to select a folder, and then press the **ENTER**  button. The folder opens.
3. Select an application, and then press the **ENTER**  button. The application service starts.

To Edit Items in a Folder




Select a folder, and then press the **ENTER**  button. The folder opens. Press the **C** button on your remote. The Edit buttons appear at the bottom of the screen.

These buttons work the same as the **Edit Mode** menu buttons on the main screen. For example, to move an application back to the My Applications main screen:

1. Select the application.
2. Select **Move to Folder**, and then press the **ENTER**  button. The **Move to Folder** window appears.
3. Select My Applications, and then press the **ENTER**  button. The **Move to Folder** window closes and the application returns to the main My Applications screen.

- **Rename Folder**




The **Rename Folder** function lets you rename folders. To use the **Rename Folder** function, follow these steps:

1. Press the **C** button on your remote.
2. Press the ▲ / ▼ / ◀ / ▶ to select a folder, and then press the **ENTER**  button.
3. Press the ▲ / ▼ / ◀ / ▶ to select **Rename a Folder**, and then press the **ENTER**  button. The **Folder Rename** window and a keyboard appears.
4. Use the key board to enter a new name.
5. Select **OK**, and then press the **ENTER**  button twice. The Rename window closes and the new name appears below the folder.




- **Lock**

The **Lock** function lets you lock some application in My Applications so they can not be opened without entering the password.

To use the **Lock** function, follow these steps:




1. Press the **C** button on your remote.
2. Press the ▲ / ▼ / ◀ / ▶ to select an application, and then press the **ENTER**  button. If the application can be locked, the Lock menu item darkens.
3. Press the ▲ / ▼ / ◀ / ▶ to select **Lock**, and then press the **ENTER**  button. The Security window appears.
4. Enter your password. If you have not created a password, enter “0-0-0-0”.
5. Press the **ENTER**  button. The **Lock Service** window appears confirming the lock, and then closes. A lock symbol appears next to the application.

- **Unlock**

1. Press the **C** button on your remote.
2. Press the ▲ / ▼ / ◀ / ▶ to select a locked application, and then press the **ENTER**  button.
3. Press the ▲ / ▼ / ◀ / ▶ to select **Unlock**, and then press the **ENTER**  button. The Security window appears.
4. Enter your password. If you have not created a password, enter “0-0-0-0”.
5. Press the **ENTER**  button. The **Lock Service Released** window appears confirming the lock has been release, and then closes.

- **Delete**


The **Delete** function lets you delete application from My Applications. To use the **Delete** function, follow these steps:

1. Press the **C** button on your remote.
2. Press the ▲ / ▼ / ◀ / ▶ to select an application, and then press the **ENTER**  button.
3. Press the ▲ / ▼ / ◀ / ▶ to select **Delete**, and then press the **ENTER**  button. The message, “**Do you want to delete selected item(s)?**” appears.
4. Select **Yes**, and then press the **ENTER**  button. The application is deleted.

■ Sort by


The functions in the Sort Menu let you sort the applications in My Applications by Name, Date, Frequency (of use), and Category. If you manually change the position of an application, the Sort Menu automatically highlights **User Defined** when you start it.


To sort the applications in My Applications, follow these steps:

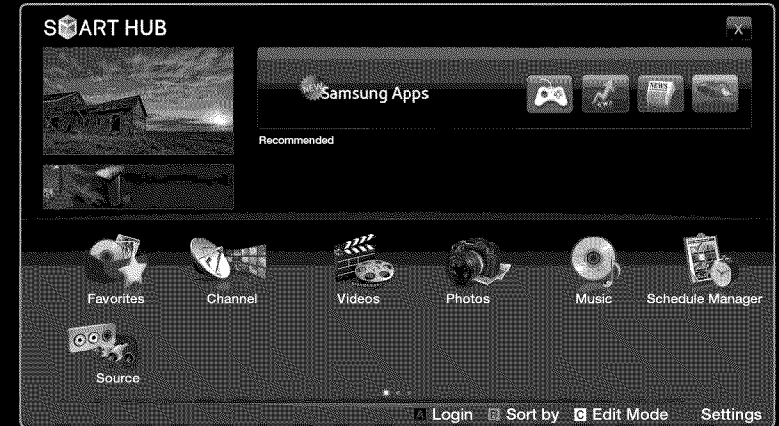
1. Press the **B** button on your remote.
2. Press the ▲ / ▼ / ◀ / ▶ to select a sorting method, and then press the **ENTER**  button. Smart Hub sorts the applications by the method you have chosen.

❑ Using Smart Hub

Enjoy photos, music and/or movie files saved on a USB Mass Storage Class (MSC) device and/or your PC.


1. Press the **SMART HUB** button.
2. Press the ▲ / ▼ / ◀ / ▶ button to select **Videos**, **Photos**, or **Music**, and then press the **ENTER**  button.

 To view content on a USB device, you must plug the device into a USB jack on the TV.

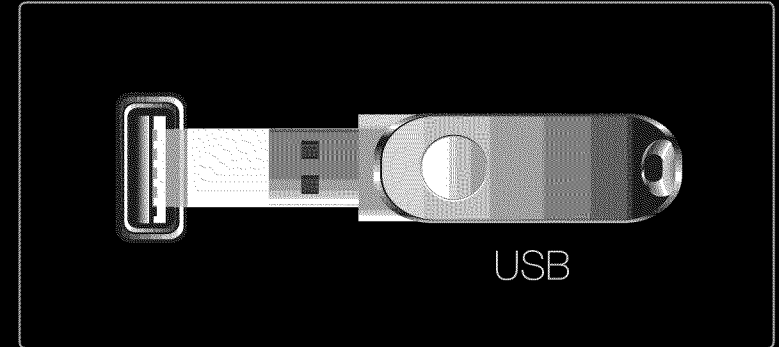


- The displayed image may differ depending on the model.

❑ Connecting a USB Device

1. Turn on your TV.
2. Connect a USB device containing photo, music and/or movie files to the **USB [1(HDD) or 2]** port on the back or side panel of the TV.
3. When a USB device is connected to the TV, the **Connected Device** window appears. Select a connected device, and then press **ENTER** .

-  The TV may display the files on the USB device automatically if it is the only device connected.



- The displayed image may differ depending on the model.

Read this information before using Smart Hub with a USB device

- The USB function might not work properly with unlicensed multimedia files.
- MTP (Media Transfer Protocol) is not supported.
- The file system supports FAT16, FAT32 and NTFS.
- Certain types of USB Digital camera and audio devices may not be compatible with this TV.
- **Smart Hub** only supports the Sequential jpeg format. It does not support the Progressive jpeg format.
- Smart Hub only supports USB Mass Storage Class (MSC) devices. MSC is a Mass Storage Class Bulk-Only Transport device. Examples of MSC are Thumb drives, Flash Card Readers and USB HDD (USB HUB are not supported). Devices should be connected directly to the TV's USB port.

- Before connecting your device to the TV, please back up your files to prevent them from damage or loss of data. SAMSUNG is not responsible for any data file damage or data loss.
- Connect a USB HDD to the dedicated **USB 1 (HDD)** port.
- Do not disconnect the USB device while it is loading.
- The higher the resolution of the image, the longer it takes to display on the screen.
- The maximum supported JPEG resolution is 15360X8640 pixels.
- If a file is corrupted or the TV does not support the file type, the “**Not Supported File Format**” message appears.
- If the files are sorted by **Folder View**, up to 1000 files can be displayed in each folder.



- The TV cannot play MP3 files with DRM that have been downloaded from a for pay site. Digital Rights Management (DRM) is a technology that supports the creation, distribution, and management of digital content in an integrated and comprehensive way, including protecting the rights and interests of content providers, preventing illegal copying of contents, and managing billings and settlements.
- If more than 2 PTP devices are connected, you can only use one at a time.
- If more than two MSC devices are connected, some of them may not be recognized. A USB device that requires high power (more than 500mA or 5V) may not be supported.
- If an over-power warning message is displayed while you are connecting or using a USB device, the device may not be recognized or may malfunction.

- If the TV has no input during the time set in **Auto Protection Time**, the Screensaver will run.
- The power-saving mode of some external hard disk drives may be released automatically when you connect them to the TV.
- If you connect a USB device with a USB extension cable, the TV may not recognize the USB device or read the files on the device.
- If a USB device you connect to the TV is not recognized, the files on the device are corrupted, or a file in the list is not played, connect the USB device to a PC, format the device and check the connection.
- If a file you deleted from the PC is still found when you run Smart Hub, use the “Empty the Recycle Bin” function on the PC to permanently delete the file.

❑ Connecting to a PC through a network

You can play pictures, music, and videos saved in your PC through a network connection in the **AllShare** mode.

- ✍ For more information on how to configure your TV and connect it to your network, see 'Network Connection'.
- ✍ To view content located on your PC, you must have connected your TV and your PC to your LAN and downloaded and installed AllShare PC Software on your PC.
- ✍ We recommend you locate both your TV and PC in the same network subnet. IP addresses have four parts, separated by periods (111.222.333.444). If your TV and PC are in the same subnet, the first 3 parts of the TV IP address and the PC IP address (111.222.333) will be the same and only the last part (the host address) will be different.

- ✎ The following Smart Hub functions are not supported when you are playing media from a PC connected through a network:
 - The **Background Music** and **Background Music Setting** functions.
 - Sorting files by preference in the **Photos**, **Music**, and **Videos** folders.
 - The  (REW) or  (FF) button while a movie is playing.
- ✎ Divx DRM, Multi-audio, embedded captions are not supported.
- ✎ Set your PC firewall program so that AllShare PC Software is a permitted program.

📝 Depending on the Internet server, when you use **Smart Hub** through a network connection:

- The sorting method may vary.
- The **Resume** function, which resumes playing of a video, may not be supported.
 - The **Resume** function does not support multiple users. (It memorizes only the point where the most recent user stopped playing a video.)
- The ◀ or ▶ button may not work depending on the content information.

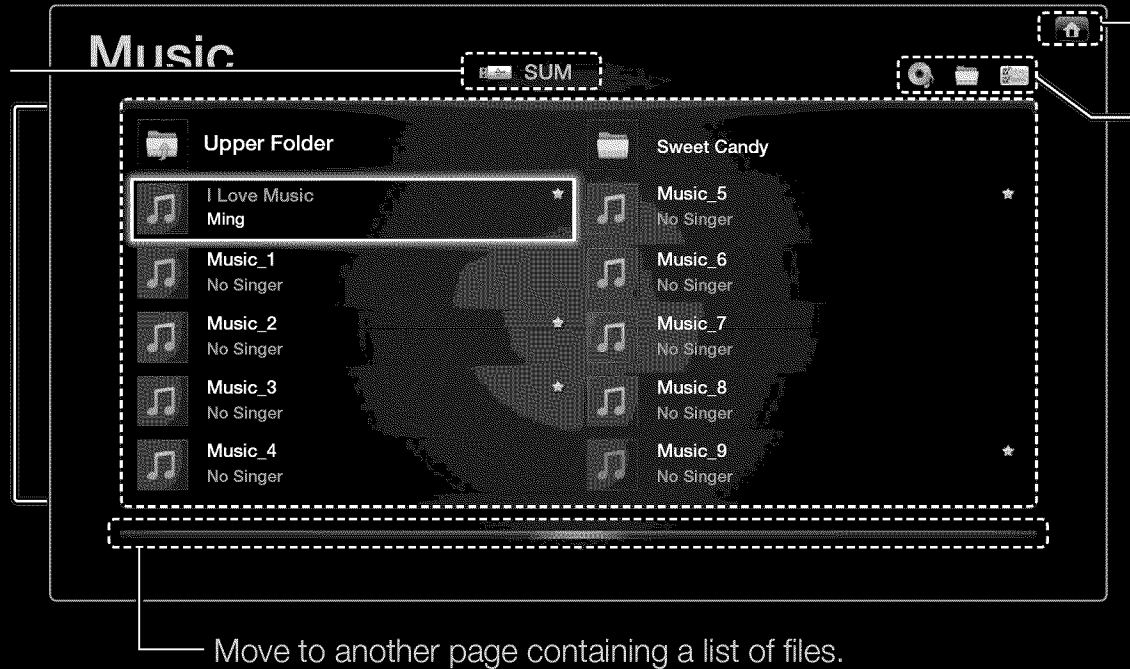
📝 You may experience file stuttering while playing a video in Smart Hub through a network connection.

❑ Screen Display

Move to the file you want to play using the ▲ / ▼ / ◀ / ▶ buttons, and then press the **ENTER**  or  (Play) button. The file is played.

Device name: Displays the name of the connected device.

File List Section: Displays files sorted according to your criteria.



Home: Return to content home

Change Contents/Device: Changes the content type or connected device.

Sorting: Displays sort criteria. Sort criteria differ, depending on the content.

Edit Mode: Select and play multiple files or assign them to My Playlist. This function is available only for Music.

Move to another page containing a list of files.

■ Videos

Playing a Video

1. Press the ◀ / ▶ / ▲ / ▼ button to select the desired video in the file list.
2. Press the **ENTER** ↵ button or ▶ (Play) button.
 - The file name appears on the top with its playing time.
 - If video time information is unknown, the playing time and progress bar are not displayed.



- The displayed image may differ depending on the model.

- During video playback, you can search using the ◀ and ▶ buttons.
- You can use the ◀◀ (REW), ▶▶ (FF), Pause, Stop, and Play buttons on the bottom of your remote during playback.
- Press the **RETURN** button to exit the movie
- ☑ In this mode, you can enjoy movie clips contained in a game, but you cannot play the game itself.

- Supported Video Subtitle Formats (for language subtitles, etc.)

Name	File extension	Format
MPEG-4 time-based text	.ttx	XML
SAMI	.smi	HTML
SubRip	.srt	string-based
SubViewer	.sub	string-based
Micro DVD	.sub or .txt	string-based

- Supported Video Formats

File Extension	Container	Video Codec	Resolution	Frame rate (fps)	Bit rate (Mbps)	Audio Codec
*.avi *.mkv	AVI MKV	Divx 3.11 / 4.x / 5.1 / 6.0	1920x1080	6 ~ 30	8	MP3 / AC3 / LPCM / ADPCM / DTS Core
		XviD	1920x1080	6 ~ 30	8	
		H.264 BP / MP / HP	1920x1080	6 ~ 30	25	
		MPEG4 SP / ASP	1920x1080	6 ~ 30	8	
		Motion JPEG	800x600	6 ~ 30	8	
*.asf	ASF	Divx 3.11 / 4.x / 5.1 / 6.0	1920x1080	6 ~ 30	8	MP3 / AC3 / LPCM / ADPCM / WMA
		XviD	1920x1080	6 ~ 30	8	
		H.264 BP / MP / HP	1920x1080	6 ~ 30	25	
		MPEG4 SP / ASP	1920x1080	6 ~ 30	8	
		Motion JPEG	800x600	6 ~ 30	8	
*.wmv	ASF	Window Media Video v9	1920x1080	6 ~ 30	25	WMA
*.mp4	MP4	H.264 BP / MP / HP	1920x1080	6 ~ 30	25	MP3 / ADPCM / AAC
		MPEG4 SP / ASP	1920x1080	6 ~ 30	8	
		XVID	1920x1080	6 ~ 30	8	

File Extension	Container	Video Codec	Resolution	Frame rate (fps)	Bit rate (Mbps)	Audio Codec
*.3gp	3GPP	H.264 BP / MP / HP	1920x1080	6 ~ 30	25	ADPCM / AAC / HE-AAC
		MPEG4 SP / ASP	1920x1080	6 ~ 30	8	
*.vro	VRO VOB	MPEG1	1920x1080	24 / 25 / 30	30	AC3 / MPEG / LPCM
		MPEG2	1920x1080	24 / 25 / 30	30	
*.mpg *.mpeg	PS	MPEG1	1920x1080	24 / 25 / 30	30	AC3 / MPEG / LPCM / AAC
		MPEG2	1920x1080	24 / 25 / 30	30	
		H.264	1920x1080	6 ~ 30	25	
*.ts *.tp *.trp	TS	MPEG2	1920x1080	24 / 25 / 30	30	AC3 / AAC / MP3 / DD+ / HE-AAC
		H.264	1920x1080	6 ~ 30	25	
		VC1	1920x1080	6 ~ 30	25	

Other Restrictions

NOTE

- Video content will not play, or not play correctly, if there is an error in the content or the container.
- Sound or video may not work if the contents have a standard bitrate/frame rate above the compatible Frame/sec listed in the table above.
- If the Index Table is in error, the Seek (Jump) function is not supported.
- You may experience file stuttering while playing a video through a network connection.
- The menu may take longer to appear if the video's bit rate exceeds 10Mbps.
- Some USB/Digital camera devices may not be compatible with the player.

Video Decoder

- Supports up to H.264, Level 4.1
- H.264 FMO / ASO / RS, VC1 SP / MP / AP L4 and AVCHD are not supported.
- For XVID, MPEG4 SP, ASP:
 - Below 1280 x 720: 60 frame max
 - Above 1280 x 720: 30 frame max
- GMC is not supported.

Audio Decoder



- Supports up to WMA 7, 8, 9 STD, 9 PRO
- WMA sampling rate 22050Hz mono is not supported.
- WMA Lossless, Voice Lossless, and Voice are not supported.

Using the Play Continuously Function (Resume Play)

If you exit a movie when it is playing, you can play the movie later from the point where you stopped it.

 The **Resume** function does not support multiple users. (It will have only memorized the point where the most recent user stopped playing.)

1. Select the movie file you stopped and want to resume by pressing the ◀ or ▶ button.

2. Press the  (Play) or **ENTER**  button.

3. Select **Resume** (Resume Play). The Movie will begin to play from where you stopped it.



 **Resume** (Resume Play) is only available when you resume playing a movie you had stopped.


■ Music

Playing Music

1. Press the ◀ / ▶ / ▲ / ▼ button to select the desired music file in the file list.

2. Press the **ENTER**  button or  (Play) button.

- When the music is playing, you can search using the  (REW) and  (FF) button.

 Smart Hub only displays files with MP3 file extensions. Other file extensions are not displayed, even if they are saved on the same USB device.

 If the sound is abnormal when you play MP3 files, adjust the **Equalizer** in the **Sound** menu. (An over-modulated MP3 file may cause a sound problem.)



- The displayed image may differ depending on the model.

Creating My Playlist

1. On the **Music** screen in the **Smart Hub** menu, press the ◀ / ▶ / ▲ / ▼ button to select **Edit Mode**, and then press the **ENTER**  button.

A check box appears to the left of the files.

2. Press the ◀ / ▶ / ▲ / ▼ button to select the tracks you want to add, and then press the **ENTER**  button.


 A check appears in the check box.

- ◀ 3. Repeat Step 2 to select additional tracks. ▶

 To select all the files in the current page, select **Select All** at the top.



4. Press the ◀ / ▶ / ▲ / ▼ button to select **Add to My Playlist**.

 Note that selecting **Clear My Playlist** will return **My Playlist** to the default playlist and remove all the tracks you added.



5. Press the **ENTER**  button. The message “**Selected items were added to My Playlist.**” is displayed.
6. The newly created or updated playlist will be in the main **Music** page.

Playing My Playlist

Select the **My Playlist** folder and it will play automatically. Press the ▲ or ▼ button to play a different music file within the play list.



 To delete a file from **My Playlist**, select the recycle bin icon next to the file you want to delete by using the direction buttons, and then press **ENTER** . The file will be deleted from **My Playlist**.

Playing Selected Music Files

1. On the **Music** screen in the **Smart Hub** menu, press the ◀ / ▶ / ▲ / ▼ button to select **Edit Mode** on the far right side of the screen,, and then press the **ENTER**  button.
2. Press the ◀ / ▶ / ▲ / ▼ button to select the desired music file in the file list, and then **ENTER**  button.

NOTE

- The ✓ mark appears to the left of the selected files.

3. Repeat Step 2 to select additional tracks.
 - To select all the files in the current page, select **Select All** at the top.
 - To cancel a selection, press the **ENTER**  button again.
4. Press the ◀ / ▶ / ▲ / ▼ button to select **Play** at the bottom of the screen, and then press **ENTER** . The selected music files play.


■ Photos

Viewing a Photo (or Slide Show)

1. Press the ◀ / ▶ / ▲ / ▼ button to select the desired file in the file list.
2. Press the **ENTER**  button.
 - To view files manually, one at a time, press the left or right arrow buttons.




- The displayed image may differ depending on the model.

- To start the slide show, press the **ENTER**  button when the file you selected is displayed.
- During the slide show, all files in the file list are displayed in order, starting from the file you selected.

 When you press the  (Play) button in the file list, the slide show will start immediately.

 During a Slide show, press the **TOOLS** button to access additional functions such as **Slide Show Speed**, **Background Music**, **Zoom**, and **Rotate**.



 You can add background music to a slide show if you have music files on your USB device or PC by setting **Background Music** to **On** in the Tools menu, and then selecting music files to play.

- ✍ The **Background Music (BGM) Mode** cannot be changed until the BGM has finished loading.
- ✍ You can use the Pause, Stop, and Play buttons on the bottom of your remote during a slide show.
- ✍ When you press the Stop or Return button, the slide show stops and the main photo screen re-appears.



❑ Smart Hub - Additional Functions

Sorting the file lists

To sort files in the file lists, select the  (**Sorting**) icon in the top right of the screen by using the ◀ / ▶ / ▲ / ▼ button. Then, press the **ENTER**  button. The checks below indicate which media the sort criteria apply to.

Sort Criteria	Operations	Videos	Music	Photos
Folder View	Displays the whole folder. You can view the file name and thumbnail by selecting the folder.	▼	▼	▼
Title	Sorts and displays the file title in Symbol/Number/Alphabet/Special order.	▼	▼	▼
Latest Date	Sorts and shows files by the latest date.	▼		▼
Earliest Date	Sorts and shows files by the earliest date.	▼		▼

Sort Criteria	Operations	Videos	Music	Photos
Artist	Sorts the music file by artist in alphabetical order.		▼	
Album	Sorts the music file by album in alphabetical order.		▼	
Genre	Sorts music files by the genre.		▼	
Monthly	Sorts and shows photo files by month.			▼









Videos/Music/Photos Play Option menu

When playing video, or photo files, you can press the **TOOLS** button to display an Options menu. Below are a series of tables listing the options available and the media each option applies to.

Option Name	Operation	Videos	Music	Photos
List	Return to the file list.	▼	▼	▼
Previous / Next	Go to previous / next photo file.			▼
Shuffle	You can play the music sequentially or randomly.		▼	
Resume	You can restart a movie file from where you stopped it.	▼		
Title Search	You can move directly to another Title.	▼		

Option Name	Operation	Videos	Music	Photos
Time Search	You can search the movie using ◀ and ▶ buttons at intervals of 1 minute.	∨		
Subtitle	You can view a subtitle. You can select a specific language if the subtitle file contains multiple languages.	∨		
Repeat Mode	You can play movie and music files repeatedly.	∨	∨	
Picture Size	You can adjust the picture size to your preference.	∨		
Picture Mode	You can change the Picture Mode .	∨		∨
Sound Mode	You can change the Sound Mode .	∨	∨	∨
Subtitle Setting	Displays the Subtitle Setting . You can set up a subtitle option.	∨		

Option Name	Operation	Videos	Music	Photos
Start Slide Show / Stop Slide Show	You can start or stop a slide show. Alternatively, the  or  button on the remote.			▼
Slide Show Speed	You can select the slide show speed during the slide show. Alternatively, the  or  button on the remote.			▼
Background Music On / Off	You can start or stop background music.			▼
Background Music Setting	You can set and select background music when watching a photo file or slide show.			▼
Zoom	You can zoom into images in full screen mode.			▼
Rotate	You can rotate images.			▼

-  Pressing the **INFO** button while a device name is selected will display information about the selected device.
-  Pressing the **INFO** button while a file is selected will display information about the selected file.

❑ Using Samsung Apps

■ Samsung Apps




Samsung Apps is a store where you can download applications to use on Samsung TV/AV equipment.

You can enjoy a variety of contents such as videos, music, photos, games, useful information etc. using the downloaded applications.



New applications are added regularly.



Using the colored buttons with **Samsung Apps**.

-  **Red (Login)**: To log in to the Internet service.
-  **Green (List View / Thumbnail View)**: To toggle the view between List and Thumbnail.
-  **Blue (Sort by)**: To sort the applications by **Recommended**, **Most downloaded**, **Most recent** or **Name**.

 You can sort all categories except **What's New?**.

-  **Page**: Move to previous or next page.
-  **Return**: Moves to previous menu.



- The displayed image may differ depending on the model.

Using the Samsung Apps by category

The following categories are available:

- **What's New?:** Displays newly registered applications.
- **Video:** Displays apps that provide video media such as movies, TV shows and short length videos.
- **Game:** Displays various game apps such as sudoku and chess.
- **Sports:** Displays apps that provide sports content such as game results, images and short length video.
- **Lifestyle:** Includes apps that provide lifestyle media services such as music, personal photo management tools and social networking such as Facebook and Twitter.

- **Information:** Includes apps that provide information content such as news, financial information, stock quotes, weather, etc.
- **Other:** Includes other miscellaneous apps and services.
- **My Account:** Displays the application list and your cyber cash balance.
 - 📝 Starting in the middle of 2010 (US and Korea only), you can purchase cyber-cash that you can use to buy applications through tv.samsung.com.
- **Help:** If you have questions about **Smart Hub**, check this section first.




■ Social TV for PDP 6450 Series and above

(May not be available, depending on your country.)










Share your TV viewing experience with your friends via social networking services (SNS). Using the Social TV function provided by the Smart Hub, you can use an SNS function such as Twitter, Facebook or Google Talk while watching TV in the same way you use it on a PC. For detailed information about using a service, refer to the corresponding website.

 To use the Social TV function, you have to sign in uniformly first. If you don't have a Smart Hub account, create a Smart Hub ID and log in first. If the Smart Hub account is not linked with the user account of the **SNS**, you have to register the **SNS** account in Smart Hub to use the service through Smart Hub. For more information about registering a service site, refer to “How to create a Smart Hub ID”.

1. To open **Social TV**, press the ◀ / ▶ / ▲ / ▼ buttons to select **Social TV**, and then press the **ENTER**  button.
2. Enjoy your social network service through **Social TV**.

Using the colored and function buttons with Social TV

-  Red (**Log in / Logout**): To log into or logout of the Smart Hub account.
-  Green (**Refresh**): Refresh the application.
-  Yellow (**Write Comment**): Displays the **Comment** screen.
 The function for this button may change depending on the service.
-  Blue (**Change Mode**): Change the view mode. Select **Overlay**, **PIG**, or **Hide** mode.
-  (**Settings**): Displays the **Service Setting**. You can activate or deactivate the service.
-  (**Exit**): Return to the previous screen.




■ Search for PDP 6450 Series and above



(May not be available, depending on your country.)

Easily search for and access content from diverse sources (e.g. applications, Your Video, AllShare)

- Usable while using **SMART HUB**
- For easy access, use the **SEARCH** button on the remote control.
- For detailed instructions to use search function, please visit www.samsung.com.

1. To open **Search**, press the ◀ / ▶ / ▲ / ▼ buttons to select **Search**, and then press the **ENTER**  button.
2. If you want to input a search term directly, press the **ENTER**  button. A keypad screen appears. Enter the search term using the remote control.
 -  If you want to select a category, press the ▼ button. You can select a category to search.



■ Your Video for PDP 6450 Series and above



(May not be available, depending on your country.)

Provides recommendations for videos based on your tastes.

- Lets you see movie recommendations based on your previous preferences.
- Lets you select a movie, displays a list of VOD (Video on Demand) providers that have the movie, and then lets you choose a provider for streaming.
(Streaming is unavailable in some areas.)
- For instructions to use Your Video, please visit www.samsung.com.

Your Video: Personalize your movie-watching with a customized video on demand (VOD) recommendation service.

Most Searched: You can search for a video by selecting a key word in the key word list. The key word list displays words you frequently use for searches.

Top Application: You can search top video applications and services for a video.

Search History: You can search for a video by selecting a keyword in the History list.



[Legal Statement]

Due to the various capabilities of products featuring the Samsung Smart Hub - Content Service, as well as limitations in the available content, certain features, applications, and services may not be available on all devices or in all territories.

Some features on Smart Hub may also require additional peripheral devices or membership fees that are sold separately. Please visit <http://www.samsung.com> for more information on specific device information and content availability.

The services and availability of content through Smart Hub are subject to change from time to time without prior notice.

❑ Troubleshooting for SMART HUB

Problem	Possible Solution
Some application contents only appear in English. How can I change the language?	The Application content language may be different from the application user interface language. The ability to change the language depends on the service provider.
Some application services do not work.	Check with the service provider. Refer to the help website for application service provider information.
When a network error occurs, I can only use the setting menu.	If network connection doesn't work, your service might be limited, as all functions except the setting menu are needed to connect to the internet.

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□ AllShare™

AllShare™ connects your TV and compatible Samsung mobile phones / devices through a network. On your TV, you can view call arrivals and SMS messages, and received by your mobile phones. In addition, you can play media contents including videos, photos, and music saved on your mobile phones or the other devices (such as your PC) by controlling them on the TV via the network. Additionally, you can use your TV for browsing web pages on your mobile phones.

✎ For more information, visit “www.samsung.com” or contact the Samsung call center. Mobile devices may need additional software installation. For details, refer to each device’s user’s guide.

- ☞ If your Samsung TV connects to a non-Samsung DLNA server, a compatibility issue may occur during video playback.
- ☞ By connecting your Samsung TV to a network via AllShare™, you can use Samsung's original functions as follows:
 - Playback of various video formats (DivX, XVID, MP4, 3GPP, AVI, ASF, MKV, etc.)
 - Video thumbnail feature
 - Bookmark function (to resume video playback)
 - Auto-chaptering (scene navigation)
 - Digital content management
 - Compatibility with various subtitle formats (SRT, SMI, SUB, TXT, TTXT)
 - Search with file names
 - And many others
- ☞ To use the original DLNA functions of Samsung fully, it is recommended that you use the AllShare™ software provided with your TV.

□ Setting Up AllShare™

☞ MENU → Network → AllShare Settings → ENTER ☞

■ AllShare Settings

- **Media (On / Off):** Enables or disables the media function. When the media function is on, you can control Media contents play using mobile phones or other devices that support DLNA DMC.



- The displayed image may differ depending on the model.

■ Media

Shows a list of mobile phones or connected devices which have been set up to use the **Media** function with this TV.

☑ The Media function is available in all devices which support DLNA DMC.


- **Allowed / Denied:** Allows/Blocks the devices.
- **Delete:** Deletes the devices from the list.




☑ This function only deletes the name of the device from the list. If the deleted device is turned on or tries to connect to the TV, it may appear on the list again.

Using the Media Function

An alarm window appears informing you that media contents (videos, photos, music) sent from a mobile phone will be displayed on your TV. The contents are played automatically 3 seconds after the alarm window appears. If you press the **RETURN** or **EXIT** button when the alarm window appears, the media contents are not played.

NOTE

- The first time a device accesses your TV through the media function, a warning popup window appears. Press the **ENTER**  button to select **Allow**. This permits the phone to access the TV freely and use the Media function to play content.

- To turn off media contents transmissions from a mobile phone, set **Media** to **Off** in the **AllShare Settings**.
- Contents may not play on your TV depending on their resolution and format.
- The **ENTER**  and  /  buttons may not work depending on the type of media content.
- Using the mobile device, you can control the media play. For details, refer to each mobile's user's guide.



❑ Anynet+(HDMI-CEC)

■ What is Anynet+?

Anynet+ is a function that enables you to control all connected Samsung devices that support Anynet+ with your Samsung TV's remote. The Anynet+ system can be used only with Samsung devices that have the Anynet+ feature. To be sure your Samsung device has this feature, check if there is an Anynet+ logo on it.

NOTE

- You can only control Anynet+ devices using the TV's remote control, not the buttons on the TV.
- The TV remote control may not work under certain conditions. If this occurs, reselect the Anynet+ device.
- The Anynet+ functions do not operate with other manufacturers' products.



- For instructions explaining how to connect Anynet+ external devices, refer to the device's user manual. You must connect an Anynet+ device using an HDMI cable. Some HDMI cables may not support Anynet+ functions.
- Anynet+ works when the AV device supporting Anynet+ is in the standby or on status.
- Anynet+ supports up to 12 AV devices in total. Note that you can connect up to 3 devices of the same type.



- However, you can connect only one Anynet+ Home Theater. To connect an Anynet+ Home Theater, connect the Home Theater to the TV using an HDMI cable then:
 - To hear sound from the Home Theater's Front, Left and Right speakers and the subwoofer only, connect a Digital Optical cable between the **DIGITAL AUDIO OUT (OPTICAL)** jack on your TV and the Digital Audio Input on the Home Theater.
 - To hear 5.1 channel audio, connect HDMI cables to your Anynet+ DVD player, satellite box, etc. Then, connect the **DIGITAL AUDIO OUT (OPTICAL)** jack on your DVD player, Satellite Box, etc. (i.e. Anynet + Device 1 or 2) directly to the Home Theater, not the TV.

Anynet+ Menu

The Anynet+ menu changes depending on the type and status of the Anynet+ devices connected to the TV.

Anynet+ Menu	Description
View TV	Changes Anynet+ mode to TV broadcast mode.
Device List	Shows the Anynet+ device list.
(device_name) MENU	Shows the connected device menus. E.g. if a DVD player recorder is connected, the disc menu of the DVD player recorder will appear.
(device_name) Tools	Shows the tools menu of the connected device. E.g. if a DVD player recorder is connected, the play menu of the DVD player recorder will appear.  Depending on the device, this menu may not be available.
(device_name) Title Menu	Shows the title menu of the connected device. E.g. If a DVD player recorder is connected, the title menu of the movie in the DVD player recorder will appear.  Depending on the device, this menu may not be available.
Receiver	Sound is played through the receiver.

□ Setting Up Anynet+

👉 MENU  → System → Anynet+ (HDMI-CEC) → ENTER 

■ Anynet+ (HDMI-CEC) (Off / On)

To use the Anynet+ Function, **Anynet+ (HDMI-CEC)** must be set to **On**.

📝 When the **Anynet+ (HDMI-CEC)** function is disabled, all the Anynet+ related operations are deactivated.




◀ ■ Auto Turn Off (No / Yes) ▶


Set an Anynet+ Device to turn off automatically when the TV is turned off.

📝 If **Auto Turn Off** is set to **Yes**, running external devices will turn off at the same time as the TV powers off.

📝 May not be enabled depending on the device.

❑ Switching between Anynet+ Devices

1. Press the **TOOLS** button, select **Anynet+ (HDMI-CEC)**, and then press **ENTER** .
2. Select **Device List**, and then press the **ENTER**  button.
 - 📝 If you cannot find a device you want, select **Refresh** to refresh the list.
3. Select a device, and then press the **ENTER**  button. You can switch to the selected device.

◀  The **Device List** menu appears only when you set **Anynet+ (HDMI-CEC)** to **On** in the **System** menu. ▶

- Switching to the selected device may take up to 2 minutes. You cannot cancel the operation during the switching operation.
- If you have selected an Anynet+ device by pressing the **SOURCE** button and then selecting its input source, you cannot use the Anynet+ function. Make sure to switch to an Anynet+ device by using the **Device List**.

❑ Listening through a Receiver

You can listen to sound through a receiver (i.e Home Theater) instead of the **TV Speaker**.

1. Select **Receiver** and set to **On**.

2. Press the **EXIT** button to exit.

📝 If your receiver supports audio only, it may not appear in the device list.

📝 The receiver will work when you have properly connected the optical in jack of the receiver to the **DIGITAL AUDIO OUT (OPTICAL)** jack of the TV.

📝 When the receiver (i.e Home Theater) is set to On, you can hear sound output from the TV's Optical jack. When the TV is displaying a DTV (air) signal, the TV will send out 5.1 channel sound to the receiver. When the source is a digital component such as a DVD player and is connected to the TV via HDMI, you will hear only 2 channel sound from the receiver.

❑ Troubleshooting for Anynet+

Problem	Possible Solution
Anynet+ does not work.	<ul style="list-style-type: none">● Check if the device is an Anynet+ device. The Anynet+ system supports Anynet+ devices only.● You can connect only one receiver (home theater).● Check if the Anynet+ device power cord is properly connected.● Check the Anynet+ device's Video/Audio/HDMI cable connections.● Check whether Anynet+ (HDMI-CEC) is set to On in the Anynet+ setup menu.● Check whether the TV remote control is in TV mode.● Check whether the remote control is Anynet+ compatible.● Anynet+ doesn't work in certain situations. (Searching channels, operating Smart Hub or Plug & Play (initial setup), etc.)● If you have removed and then reconnected the HDMI cable, please make sure to search devices again or turn your TV off and on again.● Check if the Anynet+ function of the Anynet+ device is set on.

<p>I want to start Anynet+.</p>	<ul style="list-style-type: none">● Check if the Anynet+ device is properly connected to the TV and check if the Anynet+ (HDMI-CEC) is set to On in the Anynet+ Setup menu.● Press the TOOLS button to display the Anynet+ menu and select a menu you want.
<p>I want to exit Anynet+.</p>	<ul style="list-style-type: none">● Select View TV in the Anynet+ menu.● Press the SOURCE button on the TV remote control and select a non- Anynet+ device.
<p>The message “Connecting to Anynet+ device...” appears on the screen.</p>	<ul style="list-style-type: none">● You cannot use the remote control when you are configuring Anynet+ or switching to a view mode.● Use the remote control after the TV has completed Anynet+ configuration or has finished switching to Anynet+.
<p>The Anynet+ device does not play.</p>	<ul style="list-style-type: none">● You cannot use the play function when Plug & Play (initial setup) is in progress.

The connected device is not displayed.

- Check whether or not the device supports Anynet+ functions.
- Check whether or not the HDMI cable is properly connected.
- Check whether **Anynet+ (HDMI-CEC)** is set to **On** in the Anynet+ setup menu.
- Search Anynet+ devices again.
- Anynet+ requires an HDMI connection. Make sure the device is connected to your TV with an HDMI cable.
- Some HDMI cables may not support Anynet+ functions.
- If the connection is terminated because there has been a power failure or the HDMI cable has been disconnected, please repeat the device scan.

The TV sound is not output through the receiver.

- Connect the optical cable between TV and the receiver.

❑ Troubleshooting

If your TV seems to have a problem, first review this list of issues and solutions. If none of these troubleshooting tips apply, please visit “www.samsung.com,” and then click on Support, or contact the Samsung call center.

Issues	Solutions and Explanations
Picture Quality	<ul style="list-style-type: none">• First, perform the Picture Test and to see if your TV is properly displaying the test image.• Go to MENU - Support - Self Diagnosis - Picture Test• If the test image is properly displayed, the poor picture may be caused by the source or signal.

Issues	Solutions and Explanations
<p>The TV image does not look as good as it did in the store.</p>	<ul style="list-style-type: none">● Store displays are all tuned to digital, HD (high definition) channels● If you have an analog cable/set top box, upgrade to a digital set top box. Use HDMI or Component cables to deliver HD (high definition) picture quality.● Cable/Satellite subscribers: Try HD channels from the channel line up.● Air/Cable Antenna connection: Try HD channels after performing an Auto program.✎ Many HD channels are up scaled from SD (Standard Definition) contents. Look for a channel that is broadcasting true HD content.● Adjust the Cable/Sat box video output resolution to 1080i or 720p.

Issues	Solutions and Explanations
<p>The picture is distorted: macro block error, small block, dots, pixelization</p>	<ul style="list-style-type: none"> ● The compression of video contents may cause picture distortion especially in fast moving pictures such as sports and action movies. ● A weak or bad quality signal can cause picture distortion. This is not a TV issue. ● Mobile phones used close to the TV (within 3.3 ft) may cause noise in the picture on analog and digital channels.
<p>Color is wrong or missing.</p>	<ul style="list-style-type: none"> ● If you're using a Component connection, make sure the component cables are connected to the correct jacks. Incorrect or loose connections may cause color problems or a blank screen.
<p>The color is poor or the picture is not bright enough.</p>	<ul style="list-style-type: none"> ● Adjust the Picture options in the TV menu (go to Picture Mode / Color / Brightness / Sharpness) ● Adjust the Energy Saving option in the TV menu (go to MENU – System – Eco Solution – Energy Saving) ● Try resetting the picture to view the default picture settings (go to MENU - Picture - Reset Picture)

Issues	Solutions and Explanations
There is a dotted line on the edge of the screen.	<ul style="list-style-type: none">● If the picture size is set to Screen Fit, change it to 16:9.● Change the cable/satellite box resolution.
The picture is black and white.	<ul style="list-style-type: none">● If you are using an AV composite input, connect the video cable (yellow) to the Green jack of Component Input 1 on the TV.
When changing channels, the picture freezes or is distorted or delayed.	<ul style="list-style-type: none">● If the TV is connected to a cable box, try to reset the box. (Disconnect and then reconnect the AC cord and wait until the cable box reboots. It may take up to 20 minutes.)● Set the output resolution of the cable box to 1080i or 720p.



Issues	Solutions and Explanations
3D for PDP TV	
<p>The 3D Active Glasses are not working correctly</p>	<ul style="list-style-type: none"> ● Make sure the glasses are turned on. ● The 3D Active Glasses may not work properly if there is any other 3D product or electronic devices turned on near the glasses or TV. ● If there is a problem, keep other electronic devices as far away as possible from the 3D Active Glasses.
<p>The screen seems to flicker slightly when you watch 3D images..</p>	<ul style="list-style-type: none"> ● You may notice a small amount of screen flickering when watching 3D images under a fluorescent lamp (50Hz ~ 60Hz), a 3 wavelength lamp, or a strobe light. If this occurs, dim the light or turn it off entirely.
<p>The 3D images don't look quite right.</p>	<ul style="list-style-type: none"> ● The ideal viewing distance is three times or more the height of the screen. ● We also recommend sitting with viewer's eyes on a level with the screen.

Issues	Solutions and Explanations
The batteries in the 3D glasses don't last	<ul style="list-style-type: none">● Turn off 3D glasses while not using them. If you leave 3D glasses on, battery lifespan is shortened
Sound Problem	<ul style="list-style-type: none">● First, perform the Sound Test to determine if your TV audio is operating properly.● Go to MENU - Support - Self Diagnosis - Sound Test● If the audio is OK, the sound problem may be caused by the source or signal.
There is no sound or the sound is too low at maximum volume.	<ul style="list-style-type: none">● Please check the volume of the device (Cable/Sat Box, DVD, Blu-ray, etc) connected to your TV.

Issues

The picture is good but there is no sound.

Solutions and Explanations

- Set the **Speaker Select** option to **TV Speaker** in the **Sound** menu.
- If you are using an external device, check the device's audio output option. (Ex. You may need to change your cable box's audio option to HDMI if you have the box connected to your TV using an HDMI cable.)
- If you are using an external device, check the device's audio output option (Ex. You may need to change your cable box's audio option to HDMI if you have the box connected to the TV using an HDMI cable.)
- If you are using a DVI to HDMI cable, a separate audio cable is required.
- If your TV has a headphone jack, make sure there is nothing plugged into it.
- Reboot the connected device by disconnecting, and then reconnecting device's power cable.

Issues	Solutions and Explanations
<p>The speakers are making an inappropriate noise.</p>	<ul style="list-style-type: none">● Check cable connections. Make sure a video cable is not connected to an audio input.● For antenna or Cable connections, check the signal information. A low signal level may cause sound distortion.● Perform the Sound Test as explained on a previous page.
No Picture, No Video	
<p>The TV turns off automatically.</p>	<ul style="list-style-type: none">● Ensure the Sleep Timer is set to Off in the System menu.● If your PC is connected to the TV, check your PC power settings.● Make sure the AC power cord is plugged in securely to the wall outlet and the TV.● When you are watching TV, and the signal is coming from an antenna or cable connection, the TV will turn off after 10 - 15 minutes if there is no signal.


Issues	Solutions and Explanations
RF (Cable/Antenna) Connection	
<p>The TV is not receiving all channels.</p>	<ul style="list-style-type: none"> ● Make sure the coaxial cable is connected securely. ● Run Auto Program to add available channels to the channel list. Go to MENU - Channel - Auto Program then select Auto and make sure to select the correct Cable TV signal type. There are 3 options, STD, HRC and IRC. Most cable systems use STD. ● Verify the antenna is positioned correctly.
<p>No caption on digital channels.</p>	<ul style="list-style-type: none"> ● Check the Caption Setup menu. Try changing Caption Mode Service1 to CC1. ● Some channels may not have caption data.
<p>The picture is distorted: macro block error, small block, dots, pixelization.</p>	<ul style="list-style-type: none"> ● The compression of video contents may cause picture distortion, especially with fast moving pictures such as sports and action movies. ● A weak signal can cause picture distortion. This is not a TV problem.

Issues	Solutions and Explanations
PC Connection	
A “Mode Not Supported” message appears.	<ul style="list-style-type: none"> ● Set your PC’s output resolution so it matches a resolution supported by the TV.
“PC” is always shown on the source list, even if a PC is not connected.	<ul style="list-style-type: none"> ● This is normal. “PC” is always shown in the source list, regardless of whether a PC is connected.
The video is OK but there is no audio.	<ul style="list-style-type: none"> ● If you are using an HDMI connection, check the audio output setting on your PC.
Network Connection	
The wireless network connection failed.	<ul style="list-style-type: none"> ● The Samsung Wireless USB dongle is required to use a wireless network. ● Make sure the Network Connection is set to Wireless. ● Make sure the TV is connected to a wireless IP sharer (router).
Software Upgrade over the network fails.	<ul style="list-style-type: none"> ● Run Network Test in Network menu to confirm the connection. ● If you have latest Software (SW) version, SW upgrade will not proceed.

Issues	Solutions and Explanations
Others	
<p>Purple/green rolling horizontal bars and buzzing noise from the TV speakers with a Component cable connection.</p>	<ul style="list-style-type: none"> ● Remove the left and right audio connections from the set-top-box. If the buzzing stops, this indicates that the set-top-box has a grounding issue. Replace the Component video cables with an HDMI connection.
<p>Plasma TV is making humming noise. for PDP TV</p>	<ul style="list-style-type: none"> ● Plasma TVs typically make a soft humming sound. This is normal. It's caused by the electrical charges that are used to create the images on the screen. ● If the humming sound is loud, you may have set the brightness on the TV too high. Try setting the brightness lower. ● You can also have loud humming if the back of your Plasma TV is too close to a wall or other hard surface. Also, try rerouting your connection cables. ● An improperly installed wall mount can also create excessive noise.

Issues	Solutions and Explanations
<p>The picture won't display in full screen.</p>	<ul style="list-style-type: none"> ● HD channels will have black bars on either side of the screen when displaying up scaled SD (4:3) contents. ● Black bars will appear on the top and bottom of the screen when you watch movies that have aspect ratios different from your TV. ● Adjust the picture size options on your external device or the TV to full screen.
<p>Image Retention (Burn In) Issue. for PDP TV</p>	<ul style="list-style-type: none"> ● To minimize the possibility of screen burn, this unit is equipped with Pixel Shift screen burn reduction technology. Pixel Shift lets you set the picture so it moves slightly up and down (Vertical Line) and side to side (Horizontal Dot). The regular, slight movement of the picture reduces screen burn in.
<p>A "Mode Not Supported" message appears.</p>	<ul style="list-style-type: none"> ● Check the supported resolution of the TV, and adjust the external device's output resolution accordingly. Refer to the resolution settings in the user manual.

Issues	Solutions and Explanations
<p>Caption on TV menu is greyed out.</p>	<ul style="list-style-type: none"> • You cannot select Caption menu if you have selected a source connected to the TV via HDMI or Component. • The external device's Caption function must also be activated.
<p>There is a plastic smell from the TV.</p>	<ul style="list-style-type: none"> • This smell is normal and will dissipate over time.
<p>The TV Signal Information is unavailable in the Self Diagnosis menu.</p>	<ul style="list-style-type: none"> • This function is only available for digital channels the TV receives from an Antenna / RF/Coax connection.
<p>The TV is tilted to the side.</p>	<ul style="list-style-type: none"> • Remove the base stand from the TV and reassemble it.
<p>The channel menu is greyed out (unavailable).</p>	<ul style="list-style-type: none"> • The Channel menu is only available when you select the TV source.

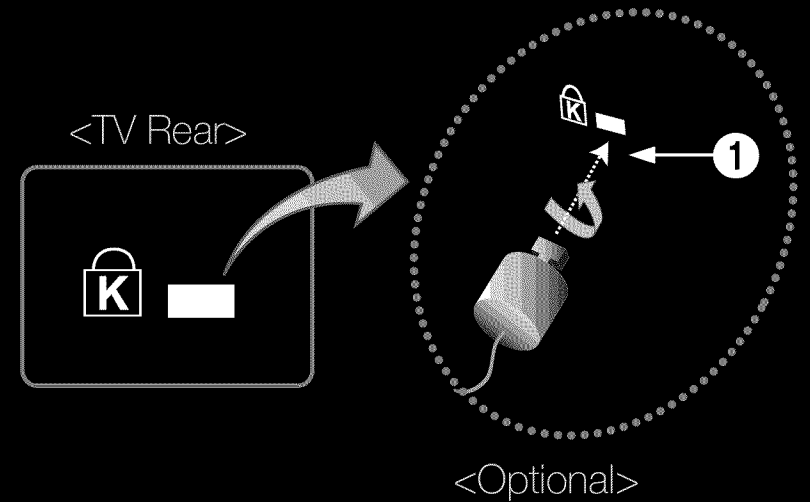
Issues	Solutions and Explanations
Your settings are lost after 30 minutes or every time the TV is turned off.	<ul style="list-style-type: none">● If the TV is in the Store Demo mode, it will reset audio and picture settings every 30 minutes. Change the settings from Store Demo mode to Home Use mode using the Plug & Play procedure. Press the SOURCE button to select TV mode, and go to MENU → System → Plug & Play → ENTER .
You have intermittent loss of audio or video.	<ul style="list-style-type: none">● Check the cable connections and reconnect them.● Loss of audio or video can be caused by using overly rigid or thick cables. Make sure the cables are flexible enough for long term use. If mounting the TV to a wall, we recommend using cables with 90 degree connectors.
You see small particles when you look closely at the edge of the frame of the TV.	<ul style="list-style-type: none">● This is part of the product's design and is not a defect.

Issues	Solutions and Explanations
The PIP menu is not available.	<ul style="list-style-type: none">● PIP functionality is only available when you are using an HDMI, PC, or Component source.
POP (TV's internal banner ad) appears on the screen.	<ul style="list-style-type: none">● Select Home Use under Plug & Play mode. For details, refer to Plug & Play Feature.



❑ Anti-theft Kensington Lock

A Kensington Lock is a device you can use to physically fix your TV in place when using it in a public place. You wrap the Kensington Lock's cable around a large, immobile object and then attach the lock to the Kensington slot on the back of the TV.




The appearance and locking method may differ from the illustration below depending on the manufacturer. Refer to the manual provided with the Kensington Lock for additional information on proper use. The Kensington Lock is not supplied by Samsung.


📝 Please find a “🔒” icon on the rear of the TV. The Kensington slot is beside the “🔒” icon.

To lock the product, follow these steps:

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

◀  These are general instructions. For exact instructions, see the User manual supplied with the locking device. ▶

 The locking device has to be purchased separately.

 The location of the Kensington slot may be different depending on the TV model.

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