







2. Press the ◀ or ▶ button to select **Media Play (USB)**, and then press the ENTER  button.

3. Press the ◀▶ or ▶ button to select an icon (**Videos**, **Music**, **Photos**, **Settings**), and then press the ENTER  button.

Media Play might not work properly with unlicensed multimedia files.

Need-to-Know List before using **Media Play (USB)**

- The file system supports FAT16, FAT32 and NTFS.
- Certain types of USB Digital camera and audio devices may not be compatible with this TV.
- Media Play** only supports USB Mass Storage Class (MSC) devices. MSC is a Mass Storage Class Bulk-Only Transport device. Examples of MSC are Thumb drives and Flash Card Readers. Devices should be connected directly to the TV's USB port. USB HDD is not supported.

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.


- A USB device that requires high power (more than 0.5A) may not be supported.
- 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.
- If a file is corrupted or the TV does not support the file type, the "Not Supported File Format" message appears.
- 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 billing and settlements.

- PTP devices are not 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 period 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 use a USB extension cable, the TV may not recognize the USB device or may not be able to read the files on the device.
- If a USB device connected to the TV is not recognized, the list of files on the device is 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 **Media Play**, use the "Empty the Recycle Bin" function on the PC to permanently delete the file.
- Photos** only supports the sequential jpeg format.
- The **Videos** option does not support the scene search and thumbnail functions.
- If the number of files and folders saved on a USB storage device is over approximately 4000, the files and folders may not appear and some folders may not open.
- The maximum displayed number of files, including sub folders, in one folder of USB storage device is 2000.
- The media may not be playing smoothly when using the device lower than USB 2.0.

## Videos



1. In the **Media Play** menu, press the ◀ or ▶ button to select **Videos**, and then press the ENTER  button.

2. Press the ◀▶/▶/▲/▼ buttons to select a video in the file list.

3. Press the ENTER  button or  (Play) button.

- The file name is displayed on the top of the screen with the playing time.
- If video time information is unknown, playing time and the progress bar are not displayed.

- During video playback, you can search using the ◀ and ▶ buttons.

In this mode, you can play movie clips contained in a game, but you cannot play a game itself.

- Supported Subtitle Formats

External	Name	File extension
	MPEG-4 Titled text	.txt
	SA/II	.srt
	Sub/II	.sub
	Micro DVD	.sub or .txt
	SubStation Alpha	.ssa
Internal	Advanced SubStation Alpha	.ass
	Name	Container
	Xsub	AVI
	SubStation Alpha	MKV
	Advanced SubStation Alpha	MKV

Format	Name	Container	Format
	SubStation Alpha	MKV	Text Format
	Advanced SubStation Alpha	MKV	Text Format
	Sub/II	MKV	Text Format
	MPEG-4 Titled text	MP4	Text Format

- Supported Video Formats

File Extension	Container	Video Codec	Resolution	Frame rate(fps)	Bit rate(Mbps)	Audio Codec
*.mp4	MP4	DxW 3.11/4.x/5.1 /6.0	1920x1080	6~30	30Mbps	MP3 / ADPCM / AAC
		H264	1920x1080	6~30	30Mbps	
		AVC	1920x1080	6~30	30Mbps	
		MJPEg	640x480	6~30	10Mbps	
*.avi *.mkv	AVI, MKV	DxW 3.11/4.x/5.1 /6.0	1920x1080	6~30	30Mbps	MP3 / AC3 / LPCM / ADPCM / DTS Core
		MPEG4 SP /ASP	1920x1080	6~30	30Mbps	
		H264	1920x1080	6~30	30Mbps	
		MJPEg	640x480	6~30	10Mbps	
*.asf *.wmv	ASF	DxW3.11 /4.x/5.1 /6.0	1920x1080	6~30	30Mbps	MP3 / AC3 / PCM / ADPCM / WMA / WMA Pro
		MPEG4 SP /ASP	1920x1080	6~30	30Mbps	
		H.264	1920x1080	6~30	30Mbps	
		MJPEg	640x480	6~30	10Mbps	
*.ts *.sp *.m2s *.mts	TS	H. 264 SP / MP / HP	1920x1080	6~30	30Mbps	AC3 / AAC / MP3 / DTS / HE-AAC
*.dat *.mpeg *.mpe *.mpg	PS	MPEG1	1920x1080	24/25/30	30Mbps	AC3 / MPEG / LPCM / AAC
		MPEG2	1920x1080	24/25/30	30Mbps	
		H. 264 BP / MP / HP	1920x1080	6~30	30Mbps	
*.3gp	3GPP	MPEG4 SP /ASP	1920x1080	6~30	30Mbps	MP3
		H.264	1920x1080	6~30	30Mbps	

- 9 -

Problem	Possible Solution
Stand Assembly	<ul style="list-style-type: none"><li>If you have any trouble assembling the stand, refer to "Install the Stand" in the Start Up or Stand Installation Guide.</li></ul>
Cannot find a channel	<ul style="list-style-type: none"><li>Re-run Plug &amp; Play or run Auto Program. (go to <b>MENU - Channel - Auto Program</b>)</li></ul>
Poor Picture	<ul style="list-style-type: none"><li>First, perform the <b>Picture Test</b> and to see if your TV is displaying the test image properly. Go to <b>MENU - Support - Self Diagnosis - Picture Test</b></li><li>If the test image is properly displayed, the poor picture may be caused by the source or signal.</li><li>If you have an analog cable/satellite box, upgrade to a digital set top box. Use HDMI or Component cables to deliver HD (high definition) picture quality.</li><li>Cable/Satellite subscribers: Try HD channels from the channel line up.</li><li>Air/Cable Antenna connection: Try HD channels after running Auto Program.<ul style="list-style-type: none"><li>Many HD channels broadcast up scaled SD (Standard Definition) content. The picture quality of up scaled SD content is low.</li></ul></li><li>Adjust the Cable/Set top box video output resolution to 1080i or 720p.</li></ul>
The image does not look as good as it did in the store.	<ul style="list-style-type: none"><li>If you have an analog cable/satellite box, upgrade to a digital set top box. Use HDMI or Component cables to deliver HD (high definition) picture quality.</li><li>Cable/Satellite subscribers: Try HD channels from the channel line up.</li><li>Air/Cable Antenna connection: Try HD channels after running Auto Program.<ul style="list-style-type: none"><li>Many HD channels broadcast up scaled SD (Standard Definition) content. The picture quality of up scaled SD content is low.</li></ul></li><li>Adjust the Cable/Set top box video output resolution to 1080i or 720p.</li></ul>
The picture is distorted: macroblock error, small block, dots, pixelization.	<ul style="list-style-type: none"><li>Compression of video contents may cause picture distortion, especially on fast moving pictures such as those in sports and action movies.</li><li>A weak signal can cause picture distortion. This is not a TV problem.</li><li>Mobile phones used close to the TV (within 3.3ft) may cause noise in the picture on analog and digital channels.</li></ul>
Color is wrong or missing.	<ul style="list-style-type: none"><li>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.</li></ul>
There is poor color or brightness.	<ul style="list-style-type: none"><li>Adjust the Picture options in the TV menu. (go to <b>Picture Mode / Color / Brightness / Sharpness</b>)</li><li>Adjust the <b>Energy Saving</b> option in the TV menu. (go to <b>MENU - Setup - Eco Solution - Energy Saving</b>)</li><li>Try resetting the picture to the default picture settings. (go to <b>MENU - Picture - Picture Reset</b>)</li></ul>
There is a dotted line on the edge of the screen.	<ul style="list-style-type: none"><li>If the picture size is set to <b>Screen Fit</b>, change it to 16:9.</li><li>Change the cable/satellite box resolution.</li></ul>
The picture is black and white.	<ul style="list-style-type: none"><li>If you are using an AV composite input, connect the video cable (yellow) to the Green jack of Component Input 1 on the TV.</li></ul>
When changing channels, the picture freezes or is distorted or delayed.	<ul style="list-style-type: none"><li>If connected to a cable box, please try to reset it. (Reconnect the AC cord and wait until the cable box reboots. It may take up to 20 minutes)</li><li>Set the output resolution of the cable box to 1080i or 720p.</li></ul>
Sound Problems	<p>Perform the <b>Sound Test</b> to confirm that your TV audio is properly operating. (go to <b>MENU - Support - Self Diagnosis - Sound Test</b>)</p> <p>If the audio is OK, the sound problem may be caused by the source or signal.</p> <ul style="list-style-type: none"><li>Check the volume of the device (Cable/Sat Box, DVD, Blu-ray, etc.) connected to your TV.</li></ul>
There is no sound or the sound is too low at maximum volume.	<ul style="list-style-type: none"><li>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 the box is connected to your TV using an HDMI cable.</li><li>Reboot the connected device by reconnecting the device's power cable.</li></ul>
The speakers are making an inappropriate noise.	<ul style="list-style-type: none"><li>Check the cable connections. Make sure a video cable is not connected to an audio input.</li><li>For Antenna or Cable connections, check the signal information. A weak signal may cause sound distortion.</li><li>Perform the <b>Sound Test</b> as explained above.</li></ul>
No Picture, No Video	
The TV will not turn on.	<ul style="list-style-type: none"><li>Make sure the AC power cord is securely plugged into the wall outlet and the TV.</li><li>Make sure the wall outlet is working.</li><li>Try pressing the POWER button on the TV to make sure the problem is not the remote. If the TV turns on, refer to "Remote control does not work" below.</li><li>Ensure the <b>Sleep Timer</b> is set to <b>Off</b> in the <b>Time</b> menu.</li><li>If your PC is connected to the TV, check your PC power settings.</li><li>Make sure the AC power cord is plugged securely into the wall outlet and the TV.</li><li>When you are watching TV connected to an antenna or cable connection, the TV will turn off after 10 - 15 minutes if there is no signal.</li></ul>
The TV turns off automatically.	
There is no picture/video.	<ul style="list-style-type: none"><li>Check the cable connections. (Remove and reconnect all cables connected to the TV and external devices.)</li><li>Set your external device's (Cable/Sat Box, DVD, Blu-ray etc) video outputs to match the connections to the TV input. For example, if an external device's output is HDMI, it should be connected to an HDMI input on the TV.</li><li>Make sure your connected devices are powered on.</li><li>Be sure to select the correct input source by pressing the SOURCE button on the remote control.</li><li>Reboot the connected device by reconnecting the device's power cable.</li></ul>
RF (Cable/Antenna) Connection	
The TV is not receiving all channels.	<ul style="list-style-type: none"><li>Make sure the coaxial cable is connected securely.</li><li>Run Auto Program to add available channels to the channel list. go to <b>MENU - Channel - Auto program</b> then select <b>Auto</b> and make sure the correct Cable TV signal type is set in the menu. There are 3 options. (<b>STD</b>, <b>HRC</b> and <b>IRC</b>)</li><li>Verify the antenna is positioned correctly.</li></ul>

- 13 -

File Extension	Container	Video Codec	Resolution	Frame rate(fps)	Bit rate(Mbps)	Audio Codec
*.avi	flash formats	Screenom H.263	1920x1080	6~30	30Mbps	MP3

## Other Restrictions

- Video content will not play, or not play correctly, if there is an error in the content or the container.
- Sound or video may not work if the contents have a standard bit rate/ frame rate above the compatible Frame/sec listed in the Supported Video Formats table.
- If the Index Table erroneous, the Seek (Jump) function is not supported.
- The menu may take longer to appear if the video's bit rate exceeds 10Mbps.
- Video content can not be played if there are many contents in one file.

## 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.

MPEG4 SP, ASP :

– Below 1280 x 720: 60 frame max

– Above 1280 x 720: 30 frame max

H.263 is not supported.

GMC is not support.

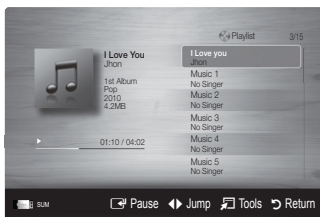
## Audio Decoder


Supports up to WMA7, 8, 9 STD, 9 PRO, 10 PRO

WMA 9 PRO and WMA 10 PRO support 5.1 channel. (LBR mode of WMA Pro is not supported)



WMA Lossless is not supported.

## Music





1. In the **Media Play** menu, press the ◀ or ▶ button to select **Music**, and then press the ENTER  button.

2. Press the ◀▶/▶/▲/▼ buttons to select the desired Music in the file list.

3. Press the ENTER  button or  (Play) button.

- During music playback, you can search using the ◀ and ▶ button.

-  (REW) and  (FF) buttons do not function during play.

Media Play only displays files with MP3 and PCM file extension. Other file extensions are not displayed, even if they are saved on the same USB device.



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

## Photos







1. In the **Media Play** menu, press the ◀ or ▶ button to select **Photos**, then press the ENTER  button.

2. Press the ◀▶/▶/▲/▼ buttons to select a photo in the file list.

3. Press the ENTER  button or  (Play) button.

- NOTE

- While a photo list is displayed, press the  (Play) / ENTER  button on the remote control to start a slide show.
- All files in the file list section will be displayed in the slide show.
- During the slide show, files are displayed in order.
- During the slide show, you can adjust the slide show speed using  (REW) or  (FF) button.
- You can move to other files using ◀ or ▶ button.

Media Play can play Music files automatically during a Slide Show if **Background Music** is set to **On**.

You cannot change the **Mode** in **Background Music** until the Background Music file has finished loading.

- Supported Photo Formats

Image	Photo	Resolution
JPEG	Base-line	15360 x 8704
	Progressive	1024 x 768

## Other Restrictions

- CMYK, YCKC Color space JPEG are not supported.


## Playing Multiple Files


- Playing selected video/music/photo files

1. On the File List screen, highlight a file, and then press the Yellow button on your remote.

2. Repeat Step 1 to select multiple files.


- NOTE

- A ◀ mark appears to the left of the selected files.
- To cancel a selection, press the Yellow button again.
- To deselect all selected files, press the **TOOLS** button, select **Deselect All**, and then the ENTER  button.

3. Press the **TOOLS** button, select **Play Selected Contents**, and then press the ENTER  button.

- Playing a video/music/photo folder

With the folders on your USB device displayed, use the ◀▶/▶/▲/▼ buttons to highlight a folder.

2. Press the **TOOLS** button, select **Play Folder**, and then press the ENTER  button.

## Media Play - Additional Functions

### Video/Music/Photos Play Option menus

When playing a file, press the **TOOLS** button.

Category	Operation	Videos	Music	Photos
Title	You can select another video file to play repeatedly.	✓		
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 adjust the picture setting.	✓		✓
Sound Mode	You can adjust the sound setting.	✓	✓	✓
Subtitle Setting	You can play the video with Subtitles. This function only works if the subtitles have the same file name as the video.	✓		
Audio Format	You can select the digital audio output format.	✓		
Audio Language	You can change the audio language if the video has more than one language.	✓		
Stop Slide Show / Start Slide Show	You can start or stop a Slide Show.			✓
Slide Show Speed	You can select the slide show speed during the slide show.			✓
Background Music	You can set and select background music when watching a Slide Show.		✓	
Zoom	You can zoom into images in full screen mode.		✓	
Rotate	You can rotate images in full screen mode.		✓	✓
Information	You can see detailed information about the played file.	✓	✓	✓

## Settings

### Using the Setup Menu

- DivX® Video On Demand** : Shows the registration code authorized for the TV. If you connect to the DivX web site and register with the 10-digit registration code, you can download the VOD activation file. Once you play it using Media Play, the registration is completed.
  - For more information on DivX® VOD, visit "http://vod.divx.com".

- Information**: Select to view information about the connected USB device.

## Other Information

### Installing the Wall Mount Kit

The wall mount kit (sold separately) allows you to mount the TV on the wall.

For detailed information about installing the wall mount, see the instructions provided with the wall mount items. Contact a technician for assistance when installing the wall mount bracket. Samsung Electronics is not responsible for any damage to the product or injury to yourself or others if you elect to install the wall mount on your own.

### Wall Mount Kit Specifications (VESA)

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

1. The wall mount kit on a solid wall perpendicular to the floor. When attaching to other building materials, please contact your nearest dealer. If you install the TV on a ceiling or slanted wall, it may fall and result in severe personal injury.

- NOTE

- Standard dimensions for wall mount kits are shown in the table below.
- When purchasing our wall mount kit, a detailed installation manual and all parts necessary for assembly are provided.
- Do not use screws that do not comply with the VESA standard screw specifications.
- Do not use screws that are longer than the standard dimension or do not comply with the VESA standard screw specifications. Screws that are too long may cause damage to the inside of the TV set.
- For wall mounts that do not comply with the VESA standard screw specifications, the length of the screws may differ depending on the wall mount specifications.
- Do not fasten the screws too firmly. This may damage the product or cause the product to fall, leading to personal injury. Samsung is not liable for these kinds of accidents.
- Samsung is not liable for product damage or personal injury when a non-VESA or non-specified wall mount is used or the consumer fails to follow the product installation instructions.
- Do not mount the TV at more than a 15 degree tilt.
- Always have two people mount the TV on a wall.

Product Family	TV size in inches	VESA screw hole specs (A x B) in millimeters	Standard Screw	Quantity
PDP-TV	43~51	400 X 400	M8	4
	60~64	600 X 400		



Do not install your Wall Mount Kit while your TV is turned on. It may result in personal injury due to electric shock.

### Securing the TV to the Wall



Caution: Pulling, pushing, or climbing onto the TV may cause the TV to fall. In particular, ensure that your children do not hang over or destabilize the TV, doing so may cause the TV to tip over, resulting in serious injuries or death. Follow all safety precautions provided on the included Safety Flyer. For added stability, install the anti-fall device for safety purposes, as follows.

### To prevent the TV from falling

- Since the necessary brackets, screws, and string or cable are not supplied, please purchase these separately.
- Insert the screws into the wall brackets and firmly fasten them to the wall. Make sure the screws are firmly fixed to the wall. We strongly recommend you drive the screws into a stud.
- Using M8 screws, insert the screws through the TV brackets, and then fasten the screws to the top VESA screw holes on the back of the TV.
- Connect the brackets on the TV and the brackets on the wall with a strong string or cable, and then tie the string or cable tightly to the brackets.
- Verify all connections are properly secured. Periodically check the connections for any sign of fatigue or failure. If you have any doubt about the security of your connections, contact a professional installer.
- Install the TV close to the wall so that it does not fall.
- Connect the string or cable so that the brackets on the wall are at the same height or lower than the brackets on the TV. Untie the string or cable before moving the TV.
- To purchase a TV Holder kit, contact Samsung customer care.

- 11 -


## Storage and Maintenance

- If a sticker was attached to the TV screen, some debris can remain after you remove the sticker. Please clean it before watching the TV.

- The exterior and screen of the product can get scratched during cleaning. Be sure to wipe the exterior and screen carefully using the cloth provided or a soft cloth to prevent scratches.

	Do not spray water directly onto the product. Any liquid that goes into the product may cause a failure, fire, or electric shock.		Clean the product with a soft cloth dampened with in a small amount of water. Do not use a flammable liquid (e.g. benzene, thinner) or a cleaning agent.
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## License

	TheaterSound, SRS and the  symbol are trademarks of SRS Labs, Inc. TheaterSound technology is incorporated under license from SRS Labs, Inc.	SRS TheaterSound™ provides the most immersive surround sound experience from the TVs built-in speakers, while maintaining steady volume and delivering rich bass and clear dialog.
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	DivX Certified® to play DivX® video
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