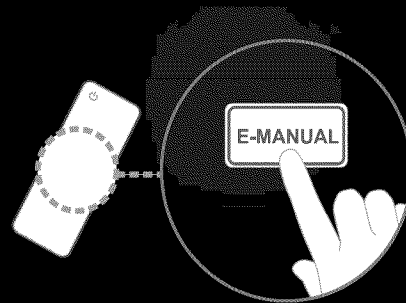




E-MANUAL



imagine the possibilities

Thank you for purchasing this Samsung product.
To receive more complete service, please register
your product at

www.samsung.com/register

Model _____ Serial No. _____

- Even if you set the on-screen display to another language, the **Downloadable U.S. Rating** menu will appear in English only.
- Blocking one rating level will automatically block other categories that deal with more sensitive material.
- The rating titles (For example: Humor Level..etc) and TV ratings (For example: DH, MH, H..etc) may differ depending on the broadcasting station.



- **Change PIN:** The **Change PIN** screen will appear. Choose any 4 digits for your PIN and enter it in **Enter New PIN**. Re-enter the same 4 digits. in **Confirm New PIN**. When the Confirm screen disappears, press the OK button. The TV has memorized your new PIN.

How to watch a restricted program or movie

If the TV is tuned to a restricted program or movie, the **Program Rating Lock** will block it. The screen will go blank and the following message will appear:

◀ This channel is blocked by **Program Rating Lock**. Please enter the PIN to unblock
Enter the PIN to unblock. the program or movie. ▶



- ☞ If you forget the PIN, press the remote-control buttons in the following sequence, which resets the PIN to “0-0-0-0:” **POWER** (off) → **MUTE** → **8** → **2** → **4** → **POWER** (on)

❑ Other Features

👉 MENU  → System → ENTER 

■ Menu Language

Set the menu language.

1. Select **Menu Language**, and then press the **ENTER**  button.
 2. Choose a language, and then press the **ENTER**  button.
- 👉 Choose from **English**, **Español**, and **Français**.

■ Caption

(On-Screen Text Messages)

- **Caption (Off / On):** You can switch the caption function on or off. If captions are not available, they will not be displayed on the screen.

☞ The Caption feature does not work with devices connected to the TV through the Component, **HDMI** or **PC** input jacks.

- **Caption Mode:** You can select the desired caption mode.

☞ The availability of captions depends on the program being broadcast.

Default / CC1 ~CC4 / Text1 ~Text4: (analog channels only) The Analog Caption function operates in either analog TV channel mode or when a signal is supplied from an external device to the TV. (Depending on the broadcasting signal, the Analog Caption function may or may not work with digital channels.)

Default / Service1 ~Service6 / CC1 ~CC4 / Text1 ~Text4: (digital channels only) The Digital Captions function works with digital channels.

 **Service1 ~6** may not be available in digital caption mode depending on the broadcast.

- **Digital Caption Options:** (digital channels only) Adjusts the each option. When done, select **Close**.

Size: Options include Default, Small, Standard and Large. The default is Standard.

Font Style: Options include Default and Styles 0 to 7. The default is Style 0.

Foreground Color: You can change the color of the letters. Options include Default, White, Black, Red, Green, Blue, Yellow, Magenta and Cyan. The default is White.

Background Color: You can change the background color of the caption. Options include Default, White, Black, Red, Green, Blue, Yellow, Magenta and Cyan. The default is Black.

Foreground Opacity: This adjusts the opacity of text. Options include Default, Transparent, Translucent, Solid and Flashing.

Background Opacity: This adjusts the opacity of the caption background. Options include Default, Transparent, Translucent, Solid and Flashing.

Return to Default: This option sets each Size, Font Style, Foreground Color, Background Color, Foreground Opacity and Background Opacity to its default.

NOTE

- **Digital Caption Options** are available only when you can select **Default** and **Service1 ~ Service6** in **Caption Mode**.
- The availability of captions depends on the program being broadcast.
- The **Default** setting follows the standards set by the broadcaster.
- You cannot set the Foreground and Background to the same color.
- You cannot set both the **Foreground Opacity** and the **Background Opacity** to **Transparent**.


□ Economical Solutions

■ Eco Solution

👆 MENU  → System → Eco Solution → ENTER 

- **Energy Saving (Off / Low / Medium / High / Picture Off)**: Lets you adjust the brightness of the TV in order to reduce power consumption. If you select **Picture Off**, the screen is turned off, but the sound remains on. Press any button except the volume button to turn on the screen.
- ◀ • **Eco Sensor (Off / On)**: To enhance your power savings, the picture settings will automatically adapt to the light in the room. ▶
 - 📝 If you adjust **Cell Light** in the Picture menu, the **Eco Sensor** will be set to **Off**.

Min Cell Light: When **Eco sensor** is **On**, you can manually adjust the minimum screen brightness.

 If **Eco Sensor** is **On**, the display brightness may change (become slightly darker or brighter) depending on the surrounding light intensity. You can control the screen's minimum brightness with the Min Backlight function.

- **No Signal Power Off (Off / 15 min. / 30 min. / 60 min.):** To avoid unnecessary energy consumption, you can set how long you want the TV to remain on if it's not receiving a signal.

 Disabled when an attached PC is in power saving mode.

- **Auto Power Off (Off / On):** The TV will automatically turn off if you don't press a button on the remote or touch a button on TV's front panel within 4 hours to prevent overheating.

■ **Screen Burn Protection**

To reduce the possibility of screen burn, this unit is equipped with Pixel Shift screen burn prevention technology. Pixel Shift moves the picture slightly on the screen. The Time function setting allows you to program the time between movement of the picture in minutes.

Your TV also has the following additional screen burn protection functions:

- **Pixel Shift**
- **Auto Protection Time**
- **Scrolling**
- **Side Gray**

- **Pixel Shift (Off / On):** Using this function, you can set the TV to move pixels minutely on the PDP screen in a horizontal or vertical direction to minimize after images on the screen.

 Available Pixel Shift Settings and Optimum Settings

	Available Settings	Optimum Settings for TV/AV/ Component/HDMI/PC
Horizontal	0~4(pixels)	4
Vertical	0~4(pixels)	4
Time (minute)	1~4 min	4 min

 The **Pixel Shift** value may differ depending on the monitor size (inches) and mode.

 This function is not available in the **Screen Fit** mode.

- **Auto Protection Time (Off / 10 min. / 20 min. / 40 min. / 1 hour):** If the screen displays a still image for a certain period of time you define, the TV activates the screen saver to prevent the formation of burnt in ghost images on the screen.
- **Scrolling:** This function removes after-images on the screen by illuminating all the pixels on the PDP according to a pattern. Use this function when there are after images or symbols on the screen, especially when you displayed a still image on the screen for a long time.

☞ The after-image removal function has to be executed for a long time (approximately 1 hour) to effectively remove after-images on the screen. If the after-image is not removed after you apply the function, repeat the function again.

☞ Press any key on the remote control to cancel this feature.

- **Side Gray (Light / Dark):** When you watch TV with the screen ratio set to 4:3, using the Side Gray function can prevent damage to the edges of the screen by adjusting the white balance on the extreme left and right sides.

■ General

- **Game Mode (Off / On):** When you have connected a game console such as a PlayStation™ or Xbox™ to the TV, you can enjoy a more realistic gaming experience if you set Game Mode on.

📝 Precautions and limitations for Game Mode

- Before disconnecting a game console and connecting another external device, set **Game Mode** to **Off** in the System menu.
- If you display the TV menu in **Game Mode**, the screen shakes slightly.

- ✎ **Game Mode** is not available when the input source is set to TV or PC.
- ✎ Set **Game Mode** to **On only** after connecting a game console. If you turn Game Mode on before you have attached the game console, you may notice reduced picture quality.
- ✎ If **Game Mode** is **On**:
 - **Picture** mode is set to **Standard** and **Sound** mode is set to **Movie**.



- **Menu Transparency (Bright / Dark):** Set the Transparency of the menu.
- **Boot Logo (Off / On):** Displays the Samsung logo when the TV is turned on.
- **TV Name** for PDP 550 Series and above: Sets the TV name so you can find it easily on a mobile device.
 - If you select User Input, you can type on the TV using the OSK (On Screen Keyboard).



■ Anynet+ (HDMI-CEC)

For details on set up options, refer to the “Anynet+ (HDMI-CEC)” instructions.



■ DivX® Video On Demand

Shows the registration code authorized for the TV. If you connect to the DivX web site and register using that code, you can download the VOD registration file. If you activate the VOD registration using My Contents, the registration is completed.

 For more information about DivX® VOD, visit “<http://vod.divx.com>”.



■ **Network Remote Control (On / Off)** for PDP 550 Series and above

Turn on/off or give permission to Samsung mobile phone devices to connect with and control the TV.

You must have a Samsung Mobile phone/device which supports Network Remote Control. For more details, refer to each device's manual.



❑ Picture In Picture (PIP)

 MENU  → System → PIP → ENTER 

■ PIP







You can watch a program whose signal has passed through the TV's tuner and the video from one external video source simultaneously. For example, if you have a cable box connected to the Cable In jack, you can use **PIP** to watch programs from the cable box and a movie from a Blu-ray player attached to the HDMI In jack.

NOTE

- For PIP sound, refer to the **Sound Select** instructions.
- The **PIP** function is not available in **3D** mode.
- If you turn the TV off while watching in the PIP mode, the PIP function is reset to off. When you turn your TV on, you must turn PIP on again to watch in the PIP mode.
- You may notice that the picture in the PIP window becomes slightly unnatural when you use the main screen to view a game or karaoke.
- While **Program Rating Lock** is on, you cannot use PIP.
- PIP Settings

The picture from the external video source will be in the main screen and the picture from the TV's tuner will be in the PIP sub-picture window.

Main picture	Sub picture
Component, HDMI, PC	TV

- **PIP (Off / On)**: Activate or deactivate the PIP function.
- **Air/Cable (Air / Cable)**: Select either **Air** or **Cable** as the input source for the sub-screen.
- **Channel**: Select the channel for the sub-screen.
- **Size** ( / ): Select a size for the subpicture.
- **Position** ( /  /  / ): Select a position for the sub-picture.
- **Sound Select (Main / Sub)**: You can choose to listen to the sound from the Main picture or the Sub picture.

□ Support Menu

📖 MENU  → Support → ENTER 

■ e-Manual

The e-Manual is built into your TV. Open the e-Manual to learn how to use your TV's many features.

📖 For the detailed information about the e-Manual Screen, refer to “How to view the e-Manual” in the Users Manual.

■ Self Diagnosis

- **Picture Test:** Use to check for picture problems. **Picture test** displays a high definition picture that you can examine for flaws or faults.

Yes: Select Yes if the test picture does not appear or there is noise or distortion in the test picture. There may be a problem with the TV. Contact Samsung's Call Center for assistance.

No: Select No if the test picture displays properly. There may be a problem with your external equipment. Please check your connections. If the problem persists, refer to the external device's user manual.

- **Sound Test:** Use the built-in melody to check for sound problems.
 - ☑ If you hear no sound from the TV's speakers, before performing the sound test, make sure **Speaker Select** is set to **TV Speaker** in the **Sound** menu, and then try the speakers again.
 - ☑ You will hear the melody during the test even if you have set **Speaker Select** to **External Speaker** or have muted the sound by pressing the **MUTE** button.

Yes: Select **Yes** if you can hear sound from only one speaker or from neither speaker during the sound test. There may be a problem with the TV. Contact Samsung's Call Center for assistance.

No: Select **No** if you can hear sound from the speakers. There may be a problem with your external equipment. Please check your connections. If the problem persists, refer to the external device's user manual.

- **Signal Information:** (digital channels only) The reception quality of over-the-air HD channels is either perfect or the channels are unavailable. Signal Information displays HD channel signal strength so you can adjust your antenna to increase signal strength and receive HD channels.
- **Troubleshooting:** Displays a troubleshooting guide organized into four symptom categories: Poor or Distorted Picture, Distorted Sound or No Sound, RF or PC Issues, and Other Issues. If your TV seems to be having a problem, access the troubleshooting guide for a solution.

■ Software Upgrade

The **Software Upgrade** menu lets you upgrade your TV's software to the latest version.

Current Version: This is the software version already installed in the TV.

- 📝 The current version is displayed in the following format: **Year / Month / Day_ Version** number.



- The displayed image may differ depending on the model.

Upgrading to the Latest Version

You can upgrade in three ways:

- **By USB**
- **By Online**
- **By Standby Mode Upgrade**

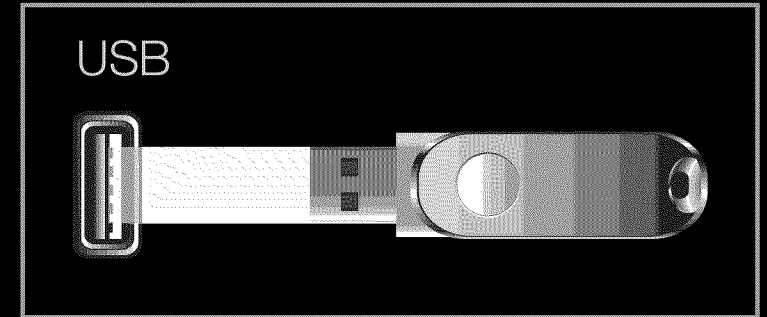
The three methods are explained in the following pages.

ⓘ Be careful not to turn off the power until the upgrade is complete. The TV will turn off and on automatically after completing the firm ware upgrade. When you upgrade software, all video and audio settings you have made will return to their default settings. We advise you to write down your settings so that you can easily reset them after the upgrade.

By USB

To upgrade by USB, follow these steps:

1. Visit www.samsung.com.
 2. Download the latest USB software upgrade exe archive to your computer.
 3. Extracts the exe archive to your computer.
You should have a single folder with the same name as the exe file.
 4. Copy the folder to a USB flash drive.
 5. Turn on the TV, and then insert the USB flash drive into the USB port of the TV.
 6. In the TV's menu, go to **Support** → **Software Upgrade**.
 7. Select **By USB**.
- Please be careful not to remove the USB drive until the upgrade is complete.




- The displayed image may differ depending on the model.

By Online for PDP 550 Series and above

The **By Online** function lets you download the upgrade software directly from the Internet into your TV and then upgrade the software in one operation. To use **By Online**, you must have configured your TV to connect to your network and the TV must be connected to the Internet. See the Network Connection instructions.

To upgrade by Online, follow these steps:


1. Select **By Online**, and then press the **ENTER**  button. The Connecting to Server message appears.
2. If there is a download available, the Download pop-up appears with a progress bar and the download starts.

3. When the download is complete, the Upgrade Query window appears with three choices: **Upgrade Now**, **Upgrade Later**, or **Don't Upgrade**.
4. If you select **Upgrade Now**, the TV upgrades the software, turns off, and then turns on automatically.
5. If you do not make a selection in one minute or select **Upgrade Later**, the TV stores the new upgrade software. You can upgrade the software later using the **Alternative Software** function.
6. If you select **Don't Upgrade**, the TV cancels the upgrade.

Alternative Software for PDP 550 Series and above

The **Alternative Software** option lets you upgrade using a file the TV downloaded earlier, but you decided not to install immediately, or a file downloaded by the TV in **Standby Mode** (See **Standby Mode Upgrade** on the next page).

To upgrade **By Alternative Software**, follow these steps:

1. If upgrade software has been downloaded, you will see the software version number to the right of **Alternative Software**.
2. Select **Alternative Software**, and then press the **ENTER**  button.
3. The TV displays a message asking if you want to upgrade. Select **Yes**. The TV begins the upgrade.
4. When the update is complete, the TV turns off automatically, and then turns on.

Standby Mode Upgrade for PDP 550 Series and above

You can set the **Standby Mode Upgrade** function so that the TV downloads new upgrade software when it is in Standby mode. In Standby mode, the TV is off, but its Internet connection is active. This allows the TV to download upgrade software automatically, when you are not using it. Because the TV is turned on internally, the screen may glow slightly. This phenomenon may continue for more than 1 hour until the software download is complete.

To set **Standby Mode Upgrade**, follow these steps:

1. Press the arrow buttons to select **Upgrade** in **Standby Mode**, and then press the **ENTER**  button.

2. Select **On** or **Off**.

- **Off** : If you select **Off**, the TV will notify you with a pop up message when new upgrade software is available.
- **On** : If you select **On**, the TV will automatically download new upgrade software when it is in Standby mode with the power off. If it downloads new upgrade software, the TV will ask you if you want to install it when you turn the TV on.

 To use the **Standby Mode Upgrade** function, your TV must be connected to the Internet.

■ Contact Samsung

View this information when your TV does not work properly or when you want to upgrade the software. You can find information regarding our call centers and how to download products and software.



□ 3D

👉 MENU  → Picture → 3D → ENTER 

■ Using the 3D function

This exciting new feature enables you to view 3D content. To fully enjoy this feature, you must purchase a pair of Samsung 3D Active Glasses (SSG-3100GB, SSG-3300GR, SSG-3300CR, SSG-3700CR) to view 3D video. Samsung 3D Active Glasses are sold separately. For more detailed purchasing information, contact the retailer where you purchased this TV.

IMPORTANT HEALTH AND SAFETY INFORMATION FOR 3D PICTURES.




Read and understand the following safety information before using the TV's 3D function.

WARNING

- Some viewers may experience discomfort while viewing 3D TV such as dizziness, nausea and headaches. If you experience any such symptom, stop viewing 3D TV, remove the 3D Active Glasses and rest.
- Watching 3D images for an extended period of time may cause eye strain. If you feel eye strain, stop viewing 3D TV, remove your 3D Active Glasses and rest.

- A responsible adult should frequently check on children who are using the 3D function. If there are any reports of tired eyes, headaches, dizziness, or nausea, have the child stop viewing 3D TV and rest.
- Do not use the 3D Active Glasses for other purposes (such as general eyeglasses, sunglasses, protective goggles, etc.)
- Do not use the 3D function or 3D Active Glasses while walking or moving about. If you use the 3D function or 3D Active Glasses while walking or moving about you can injure yourself by running into objects, tripping, and/or falling.

- **3D Mode:** Select the 3D input format.
 - ☑ If you want to experience the 3D effect fully, put the 3D Active Glasses on first, and then select the **3D Mode** from the list below that provides the best 3D viewing experience.
 - ☑ When watching 3D images, turn on the 3D Active Glasses.

3D Mode		Operation
Off		Turns the 3D function off.
	2D → 3D	Changes a 2D image to 3D.
	Side by Side	Displays two images next to each other.
	Top & Bottom	Displays one image above another.

- ☑ Some file formats may not be supported “2D → 3D.”
- ☑ “Side by Side” and “Top & Bottom” are available when the resolution is 720p, 1080i and 1080p in DTV, HDMI and USB mode or when you set the TV’s source to PC and your PC is connected through an HDMI/DVI cable.

- **3D Perspective (-5 ~ +5)**: Adjust the overall 3D perspective of on-screen image.
- **Depth (1~10)**: Adjust overall depth.
- **L/R Change (L/R Image / R/L Image)**: Swaps the left and right pictures.
- **3D → 2D (Off / On)**: Displays the image for the left eye only.
 - This function is deactivated when **3D Mode** set to “2D → 3D” or **Off**





Support resolution (16:9 only)

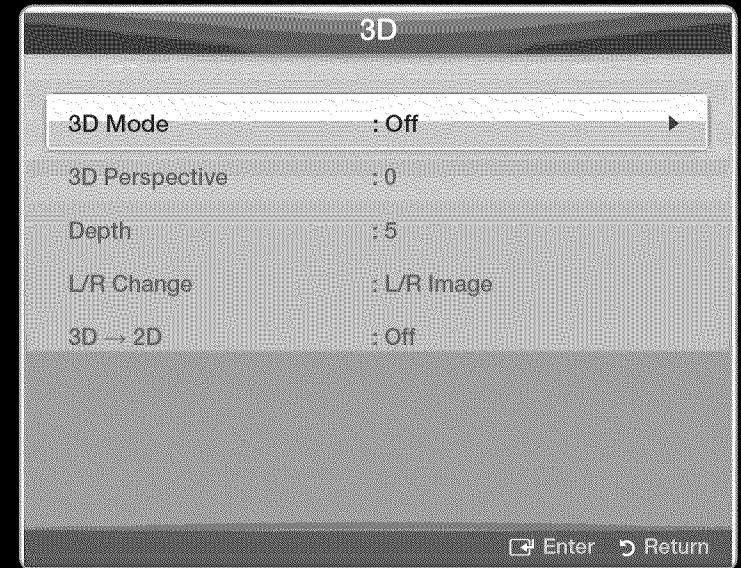
Resolution	Frequency (Hz)
1280 x 720p	50 / 60 Hz
1920 x 1080i	50 / 60 Hz.
1920 x 1080p	24 / 30 / 50 / 60 Hz

Resolution supported for HDMI PC mode


The optimal resolution for the HDMI PC mode is 1920 x 1080. If the input resolution is not 1920 x 1080, the TV may not display images properly in 3D display or full screen mode.

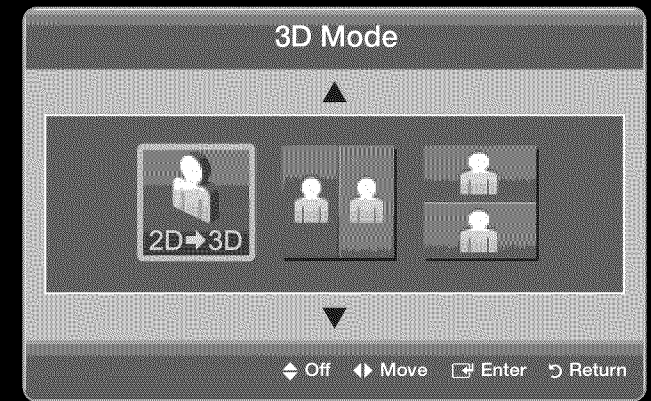
How to watch the 3D images

- ☞ Some 3D modes may not be available depending on the format of the image source.
 - ☞ To watch in 3D, you must wear 3D Active Glasses and turn the glasses on by pressing the power button.
1. Press the **MENU** button on your remote, use the ▲ or ▼ button to select **Picture**, and then press the **ENTER**  button.
 2. Use the ▲ or ▼ button to select **3D**, and then press the **ENTER**  button.



- The displayed image may differ depending on the model.

3. Use the ▲ or ▼ button to select **3D Mode**, and then press the **ENTER**  button.
4. Using the ◀ or ▶ buttons on your remote control, select the **3D Mode** of the image you want to view.



- The displayed image may differ depending on the model.

Supported formats and operating specifications for Standard HDMI 3D

- ☑ The 3D formats listed below are recommended by the HDMI association and must be supported by 3D TVs.

Source signal format	Standard HDMI 1.4 3D
1920x1080p@24Hz x 2	1920x2205p@24Hz
1280x720p@60Hz x 2	1280x1470p@60Hz

Read These Notes Before Using the 3D Function...

NOTE

- **3D Mode** is set to **Off** automatically when you access **My Contents** functions.
- **3D Mode** is set to its memorized configuration value automatically when you change the input source.
- Some **Picture** functions are disabled in **3D** mode.
- **PIP** is not supported in **3D** mode.

- 3D Active Glasses from Samsung's previous product (IR type) or other manufacturers are not supported.
- When the TV is initially powered on, it may take some time until the 3D display is optimized.
- The 3D Active Glasses may not work properly if there are 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.


- Be sure to stay within the optimum viewing angle and TV viewing distance when watching 3D pictures. Otherwise, you may not be able to see 3D effects properly.
- The ideal 3D viewing distance is three times or more the height of the screen. For example, if your screen is two feet high, you should sit at least six feet from the screen. We recommend sitting so that your eyes are level with the screen.



□ AllShare™

for PDP 550 Series and above

AllShare™ connects your TV and compatible Samsung mobile phones/ devices through a network. On your TV, you can view call arrivals and SMS messages 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 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. ▶

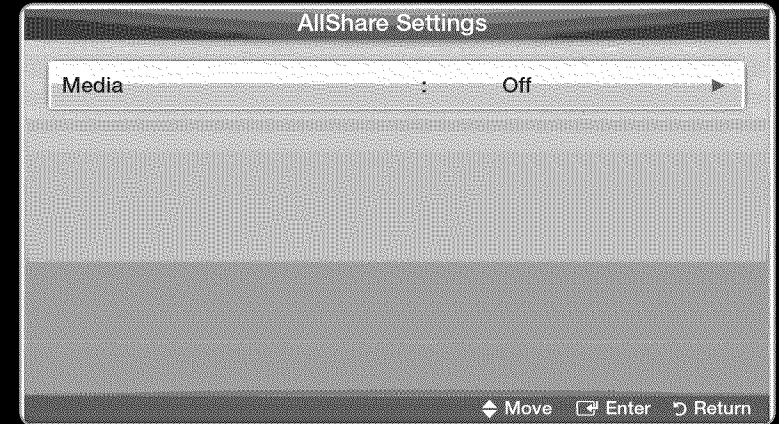
- ☞ If your Samsung TV connects to a non-Samsung DLNA server, a compatibility issue may occur during video playback.
- ☞ By connecting your Samsung TV to a network via AllShare™, you can use Samsung's original functions as follows:
 - Playback of various video formats (DivX, XVID, MP4, 3GPP, AVI, ASF, 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™ for PDP 550 Series and above

☞ 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 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, you must set **Anynet+ (HDMI-CEC)** 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 turns off.

☞ **Auto Turn 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, press the  button 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 My Contents or Plug & Play (initial setup), etc.)● If you have removed and the 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.

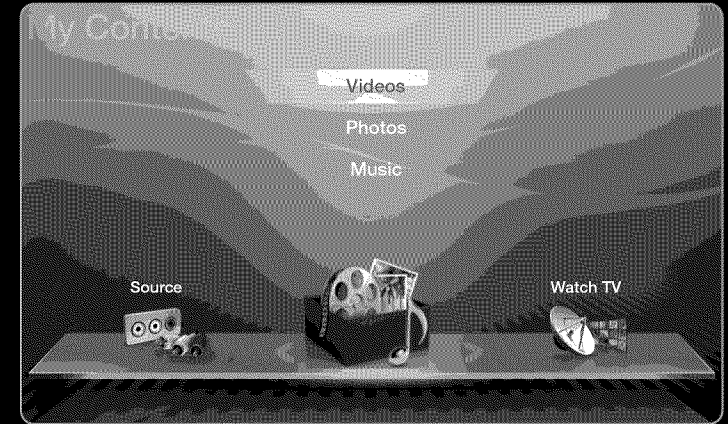
❑ Using the My Contents

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

1. Press the **CONTENT** button.
2. Press the ▲ / ▼ / ◀ / ▶ button to select the **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.

 To view content located on your PC, you must have connected your TV and your PC to your LAN and downloaded and installed PC Share Manager on your PC.

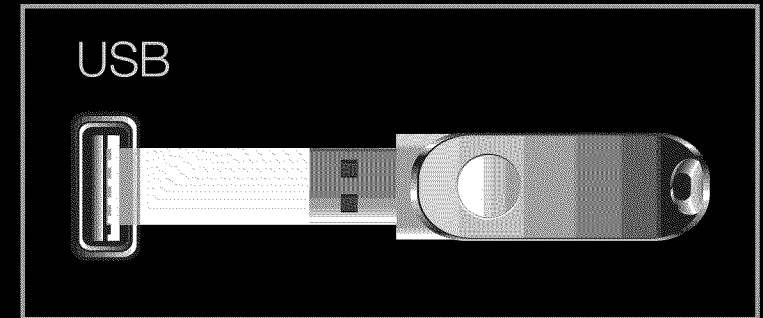


- The displayed image may differ depending on the model.

❑ Connecting a USB Device

1. Turn on your TV.
2. Connect a USB device containing photo, music and/or movie files to the **USB** jack on the side 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.

✎ The USB function might not work properly with unlicensed multimedia files.

✎ Read this information before using **My Contents** with a USB device:

- 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.
- **My Contents** is compatible with the Sequential jpeg format only. It is not compatible with the Progressive jpeg format.
- **My Contents** only supports USB Mass Storage Class (MSC) devices. **for PDP 550 Series and above** 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.
- USB(HDD) is not supported. **for PDP 450 and 490 Series**

- Connect USB HDDs to the dedicated port, **USB 1 (HDD)**, only.
- 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.
- 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 15360 X 8640 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, the TV can display the names of up to 1000 files 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 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 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 **My Contents**, use the “Empty the Recycle Bin” function on the PC to permanently delete the file.



❑ **Connecting to a PC through your network** for PDP 550 Series and above

You can play pictures, music, and videos saved in your PC through a network connection using 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 My Contents 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.

✎ The Divx DRM, Multi-audio, and embedded captions are not supported.

✎ Set your PC firewall program so that AllShare PC Software is a permitted program.

◀ ✎ You may experience file stuttering while playing a video through a network connection. ▶

❑ My Contents Selection Screen

To play a file, move to the file using the ◀ / ▶ / ▲ / ▼ buttons, and then press the **ENTER** ◀ or ▶ (Play) button. The TV plays the file. The **My Contents** screen may differ depending on the way you enter the screen.







Information: Displays the selected content category (Music, for example), device (USB drive, for example), folder/file name, page, and sort criteria..



File List Section: Displays files or folders sorted by criteria you can select.



Contents mode / Device name: You can select the desired Content Category or Device.

Operation Buttons:

-  **Yellow (Edit Mode):** Lets you select music by checking the files you want to play. Only available in Music
-  **Blue (Sorting):** Selects the sort list.
-  /  **(Page):** Move to next or previous page.
-  **Tools:** Displays the option menu.
-  **Return:** Move to the previous page or step.

■ 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 play movie clips contained in a game, but you cannot play the game itself.

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

Name	File extension	Format
MPEG-4 time-based text	.txt	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	640x480	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	640x480	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. for PDP 550 Series and above
- 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 TV.

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, and 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
- WMA 9 PRO does not support 2 channel excess multi channel or lossless audio.
- The WMA sampling rate 22050Hz mono is not supported.


Playing movie continuously (Resume Play)

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

1. Select the movie file you stopped and want to resume by pressing the ◀ or ▶ button to select it from the file list section.

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

3. Press the **D** button to select **Play Continuously** (Resume Play) The Movie will begin to play from where you stopped it.





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





- The displayed image may differ depending on the model.

■ 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  (REW) and  (FF) buttons.

-  **My Contents** 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.

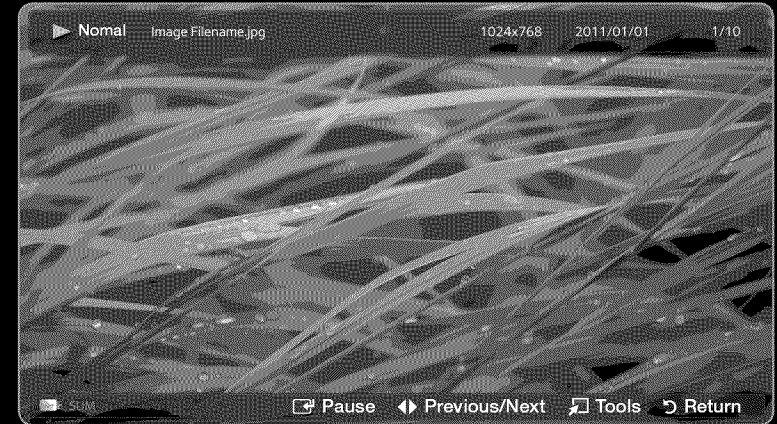
Playing selected music

1. Press the **C** (**Edit Mode**) button. A check box appears on the left side of all the music files.
2. Using the arrow keys, highlight a file you want to play, and then press **ENTER** .
 -  A ✓ appears in the check box of the selected file.
3. Repeat for each file you want to play.
4. Press the **TOOLS** button, and then select **Play Selected Contents**.
 -  You can select or deselect all music by pressing the **Select All / Deselect All**. You can select or deselect a single file by pressing the **ENTER**  button.


■ Photos

Viewing a Photo (or Slide Show)

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



- The displayed image may differ depending on the model.

- ☞ 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.

❑ My Contents - Additional Functions

Sorting the file list

Press the  button in the file list to sort the files.

Category	Operation	Videos	Music	Photos
Folder View	Displays the whole folder. You can view the photo by selecting the folder.	✓	✓	✓
Title Search	Sorts and displays the file title in Alphabet/Number/Symbol order.	✓	✓	✓
Latest Date	Sorts and shows files by the latest date.	✓		✓
Earliest Date	Sorts and shows files by the earliest date.	✓		✓

Category	Operation	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 a file, press the **TOOLS** button. The Option Menu appears. Checks in the table below indicate which media the options apply to.

Option Name	Operation	Videos	Music	Photos
Title Search	You immediately load a video file you select.	✓		
Time Search	You can search a video using the ◀ and ▶ buttons at one minute interval or entering the number directly.	✓		
Shuffle Mode	You can play the music files randomly.		✓	
Repeat Mode	You can play movie and music files repeatedly.	✓	✓	

Option Name	Operation	Videos	Music	Photos
Picture Size	You can adjust the picture size to your preference.	✓		
Picture Mode	You can select the Picture Mode .	✓		✓
Sound Mode	You can select the Sound Mode .	✓	✓	✓



Option Name	Operation	Videos	Music	Photos
Subtitle Language	You can view a subtitle. You can select a specific language if the subtitle file contains multiple languages.	✓		
Subtitle Setting	You can play a video with Subtitles. This function only works if the subtitles file has the same file name as the video.	✓		



Option Name	Operation	Videos	Music	Photos
Audio	You can enjoy a video in one of the supported languages. The function is only enabled when you play stream-type files which support multiple audio formats.	✓		
Start Slide Show / Pause Slide Show	You can start or pause a Slide Show.			✓
Slide Show Speed	You can select the slide show speed during the slide show.			✓
Background Music	You can turn background music on and off when watching a Slide Show.			✓
Background Music Setting	You can select background music when watching a Slide Show.			✓

Option Name	Operation	Videos	Music	Photos
Zoom	You can zoom into images in full screen mode. Use the ENTER button to increase or decrease the zoom. Use the arrow buttons to select the area to enlarge.			✓
Rotate	You can rotate images in full screen mode. Use the left and right arrow buttons to rotate the picture. The rotation is only temporary.			✓
Information	You can see detailed information about the played file.	✓	✓	✓

- ✎ 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.

❑ Troubleshooting

If the TV seems to have a problem, first review this list of problems and solutions. If none of these troubleshooting tips apply, visit samsung.com, then click on Support, or call Samsung customer service at 1-800-SAMSUNG.

Issues	Solutions and Explanations
Picture Quality	<p>First, perform the Picture Test and to see if your TV is properly displaying the test image.</p> <ul style="list-style-type: none">● Go to MENU - Support - Self Diagnosis - Picture Test <p>If the test image is properly displayed, the poor picture may be caused by the source or signal.</p>
The TV image does not look as good as it did in the store.	<p>Store displays are typically tuned to digital, HD (high definition) channels.</p> <ul style="list-style-type: none">● 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 stations from the channel line up.● Antenna connection: Try HD stations after performing an Auto program.

Issues	Solutions and Explanations
The picture is distorted: macro block error, small block, dots, pixelization	<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 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.
Color is wrong or missing.	<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.
There is poor color or the picture is not bright enough.	<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)
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.

Issues	Solutions and Explanations
3D	
The 3D Active Glasses are not working correctly.	<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 device 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.
The 3D images don't look quite right.	<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 your eyes on a level with the screen.
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

Issues	Solutions and Explanations
When changing channels, the picture freezes or is distorted or delayed.	<ul style="list-style-type: none">● If 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.
Sound Problem	First, perform a Sound Test to confirm that your TV audio is properly operating. (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, make sure the audio cables are connected to the correct audio input jacks on the TV.
- 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
The speakers are making an inappropriate noise.	<ul style="list-style-type: none">● Check the cable connections. Make sure a video cable is not connected to an audio input.● For antenna or Cable connections, check the signal strength. Low signal level may cause sound distortion.● Perform the Sound Test as explained above.
No Picture, No Video	
The TV turns off automatically.	<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	
The TV is not receiving all channels.	<ul style="list-style-type: none"> ● Make sure the coaxial cable is connected securely. ● Please try Auto Program to add available channels to the channel list. Go to MENU - Channel - Auto Program then select Auto and make sure the correct Cable TV signal type is set in the menu. There are 3 options (STD, HRC and IRC) ● Verify the Antenna is positioned correctly.
No Caption on digital channels.	<ul style="list-style-type: none"> ● Check Caption Setup menu. Try changing Caption Mode Service1 to CC1. ● Some channels may not have caption data.
The picture is distorted: macro block error, small block, dots, pixelization.	<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 the resolutions 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 on 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 for PDP 550 Series and above	
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).

Issues	Solutions and Explanations
<p>Software Upgrade over the network fails.</p>	<ul style="list-style-type: none"> ● Run Network Test in the Network menu to confirm the connection. ● If you have the latest Software (SW) version already installed, SW upgrade will not proceed.
Others	
<p>Purple/green rolling horizontal bars and buzzing noise from the TV speakers with 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.</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 of wall mount can also create excessive noise.

Issues	Solutions and Explanations
The picture won't display in full screen.	<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 on the Top & Bottom will be shown on movies that have aspect ratios different from your TV.● Adjust the picture size options on your external device or TV to full screen.
Image Retention (Burn In) Issue.	<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.
A "Mode Not Supported" message appears.	<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 the Caption menu if you have selected a source connected to the TV via HDMI or Component. • The external device's Capton 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 with digital channels 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 the TV source is selected.

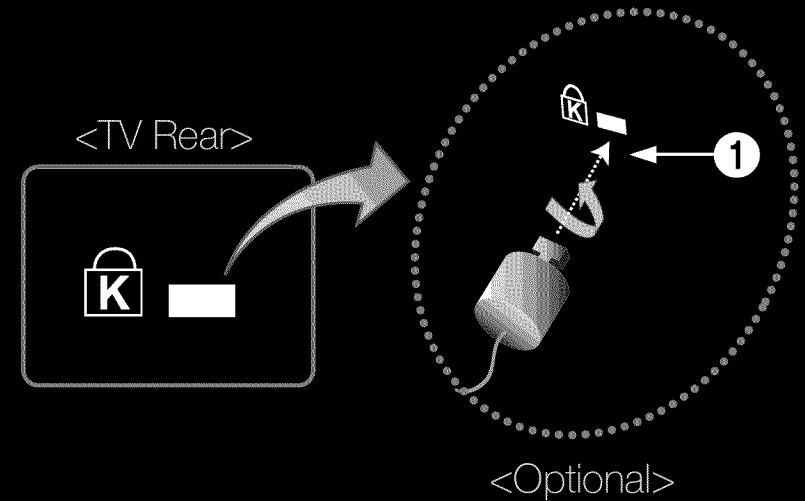
Issues	Solutions and Explanations
<p>Your settings are lost after 30 minutes or every time the TV is turned off.</p>	<ul style="list-style-type: none"> ● If the TV is in the Store Demo mode, it will reset audio and picture settings every 30 minutes. Change the settings from Store Demo mode to Home Use mode in the Plug & Play procedure. Press the SOURCE button to select TV mode, and go to MENU → System → Plug & Play → ENTER .
<p>You have intermittent loss of audio or video.</p>	<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.
<p>You see small particles when you look closely at the edge of the frame of the TV.</p>	<ul style="list-style-type: none"> ● This is part of the product's design and is not a defect.
<p>The PIP menu is not available.</p>	<ul style="list-style-type: none"> ● PIP functionality is only available when you are using a HDMI, PC or Component source.
<p>POP (TV's internal banner ad) appears on the screen.</p>	<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 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.




- The displayed image may differ depending on the model.

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.
4. Lock the lock.


◀  These are general instructions. For exact instructions, see the Users 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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