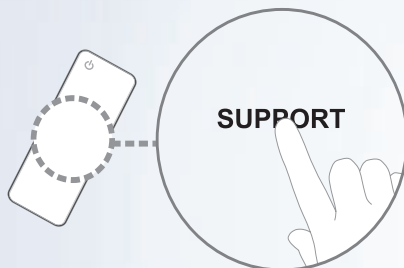


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Model _____ Serial No. _____

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Managing Channels and Channel Functions

You can manage channels, access channel functions, and schedule channel and program viewing through the **Channel** and **Schedule Manager** functions. Both **Channel** and **Schedule Manager** are located on the **Smart Hub** screen.

To access **Smart Hub**, press the  button on your remote. The **Smart Hub** screen appears.

Select [Channel](#) to start the [Channel](#) function. Select [Schedule Manager](#) to start the [Schedule Manager](#) function.

You can also access the [Smart Hub](#) screen through the Menu:


[Menu](#) → [Support](#) → [Smart Hub](#)

[Channel](#)

 → [Channel](#)

Using this function, you can add channels to or delete channels from the different Category channel lists on the

Channel screen, set favorite channels, view and access recently viewed and mostly viewed channels, and edit the channel names of analog channels.

 The American Academy of Pediatrics discourages television viewing for children younger than two years of age.

Category Options (on the left side of the Channel screen)

- **All**

Shows all channels.


- **Added Ch.**


Shows all added channels. This is the list of channels your TV memorized during the initial setup, less any channels you have deleted. These channels appear when you select **CH List**.

- **Favorites 1 - Favorites 5**

Lets you arrange and display favorite channels in up to five groups. Each

group is independent of the other groups and can contain the same channels as other groups, different channels, or a combination of both.

 The TV displays Favorites only if you have added favorites using **Edit Favorites** in the **Tools** menu.

 If you highlight the name of a favorite group on the left side of the screen, you can change the name of the group by pressing **B**

on your remote, and then entering a new name using the keyboard that appears.

- **Recently Viewed**

Shows the most recently viewed channels.

- **Mostly Viewed**


Shows the most frequently viewed channels.

Using the colored and function buttons with Channel

- When the highlight is located in a category on the left side, you can use these options:

-  **Air / Cable**

Switches the mode and display between **Air** and **Cable**.

 Appears only if your TV stored both **Air** and **Cable** channels.

-  **Return**


Returns to the previous menu.

- When the highlight is located in the

channel list, you can use these options:

- **A** Air / Cable

Switches the mode and display between **Air** and **Cable**.

 Appears only if your TV stored both **Air** and **Cable** channels.

- **B** Delete


Deletes the selected channel(s) from a category list (except the favorites lists).

- *i* Information

Displays details of the selected channel.

–  Page

Scrolls the channel list to the next or previous page.

 These correspond to the Channel buttons on the remote.

–  Select / Deselect

Selects or deselects a channel.

–  Tools

Displays the option menu.

– ↶ Return

Returns to the previous menu.

Using the Tools menu with Channel

- Add / Delete

Delete a channel from or add a channel to a Category list on the **Channel** list screen.


To delete a channel from a Category list on the Channel screen, follow these steps:



1. Select a category that contains the

channel you want to delete.

2. Select a channel in the category list.

A  mark appears to the left of the channel.

 You can select more than one channel.

 If you re-select a channel you selected, the  mark disappears.

3. Open the **Tools** menu using your remote.

4. Select **Delete**. The message "**Deleted**

the selected channel(s)." appears.

Select **OK**.






- ☞ You can delete the selected channel immediately by selecting **B** using your remote.
- ☞ When you delete a channel in the **All** or **Added Ch.** lists, you are deleting the channel from the **Added Ch.** list. This means that when you press the Channel buttons on your remote, the channel will not longer appear. The

channel will, however, remain in the **All** list, grayed out. You can add it back to the **Added Ch.** list whenever you like.

- ☒ When you delete a channel in the **Recently Viewed** or **Mostly Viewed** category, the channel will disappear from that category list, but it is not deleted from any of the other lists.

To add a channel to the Added Ch. list on the Channel screen, follow these


steps:

1. On the **Channel** screen, select the **All** category.
2. Select a grayed out channel in the **All** category. A  mark appears to the left of the channel.
 -  You can select more than one channel.
 -  If you re-select a channel you selected, the  mark disappears.
 -  A gray colored channel indicates

the channel has been deleted from the **Added Ch.** list.

3. Open the **Tools** menu using your remote.

4. Select the **Add**. The message **Added the selected channel(s)** appears, and then select **OK**.

 The **Add** menu option only appears when you select channels you have deleted from **Added Ch.**.





 All deleted channels will be shown

in the **All** category. You add channels back to the **Added Ch.** category on the **All** category.

- **Edit Favorites**


Lets you assign channels you watch frequently to a favorites group and remove channels from a favorites group. You access **Edit Favorites** on the **Tools** menu.

To set channels as favorites, follow these steps:

1. Select the **All** or **Added Ch.** category.
2. Select a channel. A  mark appears to the left of the channel.
 -  You can select more than one channel.
 -  If you re-select a channel you selected, the  mark disappears.
3. Open the **Tools** menu using your remote.
4. Select **Edit Favorites**. The **Edit Favorites** screen appears.



5. If you want, change to another favorites group by selecting **D** using your remote. Each time you select **D**, the favorites group changes.

6. Select **A** using your remote. The selected channel will appear in the favorite group you chose.

 You can also select a channel on the **Edit Favorites** screen from the list of **Added Ch.** that is displayed on the left of the screen.

7. When done, select **OK** on the right side. The channel is made a favorite and is assigned to the favorites group you selected.

8. **Edit completed**, appears on the screen. Select **OK**.

 The TV displays the “” symbol next to the channel, indicating it is a favorite.

Using the colored and function buttons with Edit Favorites

- On the **Edit Favorites** screen, you can use these functions buttons:

- **A** **Add**

Add selected channels to the favorites group.

- **D** **Change Fav.**

Change the favorites group.

Each time you select **D** using your remote, the favorites group changes.

- **0~9** **Go To**

When you press a number, the highlight jumps to the first channel that has that number. For example, if I select 2, the highlight can jump to 2-1 or 21-1.

– ↶ **Return**

Return to the previous menu.

- When you highlight a favorite channel in a favorites group on the **Edit Favorites** screen, you can use these options:

- **A** Delete

Delete the selected channel.

- **B** Change order

Change the favorites group list order.

- **C** Copy

Copy a selected channel to other favorites groups.

- **D** Change Fav.

Change the favorites group.

Each time you select **D** using

your remote, the favorites group changes.

–  **Go To**


When you press a number, the highlight jumps to the first channel that has that number. For example, if I select 2, the highlight can jump to 2-1 or 21-1.


–  **Return**



Return to the previous menu.

To remove a channel from a favorites

group, follow these steps:

1. Select the favorites group category.
2. Select a channel in the favorites group. A  mark appears to the left of the channel.

 You can select more than one channel.

 If you re-select a selected channel, the  mark disappears.

3. Open the **Tools** menu using your remote.

4. Select **Delete**. The message **Do you want to delete the selected item(s)?** appears.

5. Select **OK**. The **Deleted the selected item(s)** message appears.

- **Rename Channel**

(Appears only if you have selected an analog channel.)

Lets you assign a name of up to five characters to an analog channel. For example, Food, Golf, etc. This makes it

easier to find and select a channel.

- **Select All / Deselect All**

Select all channels in the list. / Deselect all channels you selected.

Display Icons Used in the Channel screens

: An analog channel.

: A favorite channel.


: A locked channel.

Schedule Manager

 → **Schedule Manager**

Using this function, you can set

the TV to display a desired channel automatically on a day and at a time of your choice.

 You must set the current time first using the **Time** → **Clock** function in the **System** menu to use this function.

To use **Schedule Viewing**, follow these steps:

1. Select **Schedule Manager** on the **Smart Hub** screen.


2. On the **Schedule Manager** screen, select **A** using your remote.
3. Set **Antenna**, **Channel**, **Repeat**, and **Start Time**.


 - **Antenna**

Select **Antenna** to see the source selections, and then select the signal source: DTV Air, Cable, etc. If your TV receives digital broadcasts, you can change the source from analog to digital.

- **Channel**

Select **Channel** to view the channel numbers. Select the desired channel.



 You can only select memorized channels.

 You can also enter the channel number directly using the number buttons on the standard remote.

- **Repeat**

Select **Once**, **Manual**, **Sat~Sun**, **Mon~Fri** or **Everyday**. If you select

Manual, you can set the day you want.

 The  mark indicates a day you've selected.


Date: You can set a desired date.

 **Date** is available only when you select **Once** in **Repeat**.

- **Start Time**

You can set the start time you want.


3. When done, select **OK**. The selected channel is scheduled for viewing.

 On the **Schedule Manager** screen, you can view a list of **Schedule Viewings**.

To delete an item in a list of scheduled viewings, follow these step:

1. On the **Schedule Manager** screen, Highlight an item you want to delete.
2. Open the **Tools** menu using your remote.
3. Select **Cancel Schedule**. The **Cancel selected list(s)?** message appears.

4. Select **Yes**. The selected schedule is canceled.

 If you press the **INFO** button after Highlighting an item, the Information screen appears. On the **Information** screen, you can change or cancel the **Schedule Viewing**.

Cancel Schedule: Cancel the **Schedule Viewing**.

Edit Schedule: Change the **Schedule Viewing**.

Return: Return to the previous screen.

Channel List

Using this function, you can view the channel list, program information, and favorite channels, select channels to watch, and use **Schedule Viewing** on digital channels.

1. Press the **CH LIST** button. The **Channel List** screen is displayed immediately.


2. Change a channel or channel list mode.

- [Added Ch.](#)


Shows all added channels.

- [Favorites 1](#) - [Favorites 5](#)

Shows all favorite channels, in up to five groups. Each group has a separate screen.


 The TV displays favorite groups only if you have added favorites using [Edit Favorites](#).

Using the colored and function buttons with the Channel List

 If you press the **INFO** button, the TV displays details of the selected program.

- **A** **Antenna**

Switches the mode and display between **Air** and **Cable**.

 Appears only if your TV has stored both **Air** and **Cable** channels.

- **C** **Program View / Channel View**

For digital channels, switches the display between **Program View** and **Channel View**.

When you select a digital channel in **Channel List**, select **C** once to display a list of programs on that channel. Select again to re-display the **Channel View**.

- ◀▶ **CH Mode / Channel**

On the **Channel View** screen, toggles between the **Favorites** lists (if you have added favorites using **Edit Favorites**)

and the **Added Ch.** list. / On the **Program View** screen, displays the programs for the next or previous channel.


-  **Watch / Information**

Displays the channel you selected. /




Displays details of the selected channel.

-  **Page**

Scrolls the **Channel List** to the next or previous page.

 These correspond to the channel buttons on your remote.

Display Icons Used in the Channel List screens

- : An analog channel.
- : A reserved program.
- : A locked channel.


Using Schedule Viewing in Channel List (digital channels only)

You can use **Schedule Viewing** in **Channel List** to schedule a digital channel program for viewing. The TV will turn on and display the digital

channel program when the program begins.

1. Press the **CH LIST** button. The **Channel List** screen appears.
2. Select a desired digital channel.
3. Select **C** using your remote. The TV displays the program list of the selected channel.
4. Select a desired program in the program list, and then select **Information** using your remote.

5. On the **Information** screen, select **Schedule Viewing**. The selected program is scheduled.

 If you want to cancel the **Schedule Viewing**, follow Steps 1 through 4, and then select **Cancel Schedule**.

Memorizing Channels

Antenna

Menu → Channel → Antenna

Before your television can memorize the available channels, you must select your TV's signal source, **Air** (using an antenna) or **Cable**. After you have selected the signal source, go on to the **Auto Program** function.

 Selecting the signal source using the **Antenna** function also determines



the signal source the TV is tuned to. For example, if you receive your TV signal over the air, and you select **Cable**, you will see only snow. You must select **Air** to see a picture.

Auto Program

Menu → Channel → Auto Program

The **Auto Program** function memorizes all channels that are available over the air or through your cable system and adds them to the **Channel** list.


To start the Auto Program, follow these steps:

1. Go to the **Auto Program** menu.
2. Select **Air** or **Cable** or both, and then select **Next**. A  mark appears in the check box.
 -  If you selected **Air** or **Cable** in the **Antenna** menu, your choice will already be selected.
3. If you selected **Cable**, the cable system screen appears. Select **Digital**

Cable System.

 If you selected **Air** only, the **Auto Program** starts.

4. Select the correct cable signal format
- **STD, HRC** or **IRC**.

 Most cable systems use **STD**
(Standard).

5. Repeat for **Analog Cable System.**

6. Select **Next. The **Auto Program** starts.**

 After all the available channels are


stored, the **Auto Program** removes scrambled channels. When done, the **Auto Program** menu then reappears. This process can take up to 30 minutes.

Other Features

Clear Scrambled Channel

Menu → Channel → Clear Scrambled
Channel

This function filters out scrambled channels after the **Auto Program** is completed. This process may take up to 30 minutes.

 This function is only available in **Cable** mode.

How to Stop the Clear Scrambled Channel

function


1. To stop the **Clear Scrambled Channel** function, select **Stop**.
2. The message **Stop searching for scrambled channels?** appears. Select **Yes**.
3. The **Clear Scrambled Channel** function stops.


Fine Tune

Menu → Channel → Fine Tune

(analog channels only)

If the reception is clear, you do not have to fine tune the channel, as this is done automatically during the search and store operation. If the signal is weak or distorted, fine tune the channel manually. Scroll to the left or right until the image is clear.

 Select the channel, and then select **Fine Tune**.

 Fine tuned channels that have been saved are marked with an asterisk “*”

on the right-hand side of the channel number in the channel banner.


- ☞ To reset fine-tuning, select the channel, select **Fine Tune**, and then select **Reset** on the **Fine Tune** screen.

Changing the Preset Picture Mode

Picture Mode

Menu → Picture → Picture Mode

Picture modes apply preset adjustments to the picture.

 When your TV is connected to a PC via an HDMI to DVI cable, you can only select **Entertain** and **Standard**.

- **Dynamic**

Brightens the screen. Suitable for a bright room.

- **Standard**

Suitable for a normal environment.

- **Natural** for LED TV / **Relax** for PDP 6500

Series and above

Suitable for reducing eye strain.

- **Movie**

Darkens the screen, making it less glary. Suitable for watching movies in a darkened room.

- **Entertain**

Sharpens the picture. Suitable for

games.

- ☒ Only available when the TV is connected to a PC via an HDMI to DVI cable.

Adjusting Picture Settings

Backlight **for LED TV** / Cell Light **for PDP TV**

Menu → Picture → Backlight / Cell Light

Adjusts the brightness of the screen by adjusting the brightness of the individual pixels.

Contrast

Menu → Picture → Contrast

Increases or decreases the contrast between dark and light areas of the picture.

Brightness

Menu → Picture → Brightness

Adjusts the brightness of the screen.

Not as effective as Backlight / Cell Light.

Sharpness

Menu → Picture → Sharpness

Sharpens or dulls the edges of objects.

Color

Menu → Picture → Color

Adjusts the color saturation. The higher

the Color setting, the more intense the color. Low settings remove color and the picture becomes black, white, and gray.

Tint (G/R)

Menu → Picture → Tint (G/R)


Adjusts the amount of green and red in the picture. As you increase the amount of green, the amount of red decreases and vice versa.


To adjust picture quality, follow these steps:

1. Select an option you want to adjust.

When you select an option, a slider screen appears.

2. Adjust the option value using your remote.

 When you change an option value, the change will affect the OSD menu also.

 When your TV is connected to a PC via an HDMI to DVI cable, **Color** and **Tint (G/R)** are not available.

- ☑ You can adjust and store settings for each external device connected to the TV.
- ☑ Lowering picture brightness reduces power consumption.

Changing the Picture Size

Screen Adjustment

Menu → Picture → Screen Adjustment

Using this function, you can select various picture size and aspect ratio options.

- **Picture Size**

If you have a cable box or satellite receiver, it may have its own set of screen sizes as well. However, we highly recommend you use your TV's


16:9 mode most of the time.

16:9: Sets the picture to the 16:9 wide screen format.


Zoom1: Provides moderate magnification of the picture. Sides, top, and bottom are cut off.

Zoom2: Provides larger magnification of the picture. Sides, top, and bottom are cut off.

Wide Fit: Enlarges the aspect ratio of the picture so it fits the entire screen.

 Available with HD 1080i / 720p signals in 16:9 mode.

4:3: Sets the picture to basic (4:3) mode.


 Do not set your TV to 4:3 format for a long time. The borders displayed on the left and right, or top and bottom of the screen may cause image retention (screen burn) which is not covered by the warranty.


Screen Fit: When your TV inputs HDMI


(720p / 1080i / 1080p) or Component (1080i / 1080p) signals, displays the full image without any cut-off.

Smart View 1: Reduces the 16:9 picture by 50%. **for LED TV**

Smart View 2: Reduces the 16:9 picture by 25%. **for LED TV**


 **Smart View 1** is enabled only in HDMI mode.

 **Smart View 2** is enabled only in HDMI or DTV mode.

 The picture size can vary when you play content from **Videos** in **AllShare Play** depending on the input resolution.

- **Position**

Adjusts the picture position. **Position** is only available if **Picture Size** is set to **Zoom1**, **Zoom2**, **Wide Fit**, or **Screen Fit**.

 In DTV mode, **Position** is not available when **Picture Size** is set to **Screen Fit**.

To use the Position function after selecting Zoom1, Zoom2, Wide Fit or Screen Fit, follow these steps:

1. Select **Position**.
2. On the **Position** screen, select **Position**, and then move the picture to the position you want using your remote.
3. When done, select **Position** again, and then select **Close**.


 To reset the picture position,


select **Reset**.


Picture Sizes available by Input Source:

- ATV, AV: 16:9, Zoom1, Zoom2, 4:3
- Component (480i, 480p): 16:9, Zoom1, Zoom2, 4:3
- DTV (720p): 16:9, Wide Fit, 4:3, Smart View 2 **for LED TV**
- DTV (1080i, 1080p): 16:9, Wide Fit, 4:3, Screen Fit, Smart View 2 **for LED TV**
- Component(720p): 16:9, Wide Fit, 4:3

- Component(1080i, 1080p): 16:9, Wide Fit, 4:3, Screen Fit
- HDMI (720p, 1080i, 1080p): 16:9, Wide Fit, 4:3, Screen Fit, Smart View 1 for LED TV, Smart View 2 for LED TV

 Depending on the input source, the picture size options may vary.

 The available items may differ depending on the selected mode.

 HD (High Definition): 16:9 - 1080i/1080p (1920x1080), 720p

(1280x720)


- ☞ You can adjust and store settings for each external device you have connected to an input on the TV. Select the **Source**, and then adjust the settings.


Changing the Picture Options

Advanced Settings

Menu → Picture → Advanced Settings

Using this function, you can configure advanced picture settings to create your preferred picture.

 **Advanced Settings** is available only when the **Picture Mode** is set to **Standard** or **Movie** mode.

 When connecting a PC using an HDMI to DVI cable, you can only

make changes to **White Balance** and **Gamma**.

- **Dynamic Contrast**

Adjusts the screen contrast.

- **Black Tone**

Darker settings make blacks look darker.

- **Flesh Tone**

Adjusts the amount of red in skin tones.

- **RGB Only Mode**

Displays the **Red**, **Green** and **Blue** colors so you can make fine adjustments to hue and saturation.

- **Color Space**

Adjusts the range and variety of colors (the color space) available to create images.



for LED 6100 – 6600, 7100, 7150 Series and

PDP 6500 Series (US) / for LED 6100 –

6850, 7100, 7150 Series and PDP 6500 Series

(Canada, Mexico) To adjust **Color, Red,**

Green, Blue and Reset, set the Color Space to Custom.

- **White Balance**

Adjusts the color temperature of the picture so that white objects look white (instead of, for example, slightly pink or slightly yellow) and the overall color of the picture looks natural.

R-Offset / G-Offset / B-Offset: Adjusts each color's (red, green, blue) darkness.

R-Gain / G-Gain / B-Gain: Adjusts each


color's (red, green, blue) brightness.


Reset: Resets the White Balance to it's default settings.

- **10p White Balance**

for LED 6100 – 7150 Series and PDP 6500 Series

Lets you control the white balance by adjusting the red, green, and blue brightness in 10 point intervals.

 Available when the **Picture Mode** is set to **Movie**. Available for all video sources.

 Some external devices may not support this function.

Interval: Select the interval to adjust.

Red: Adjusts the red level.

Green: Adjusts the green level.

Blue: Adjusts the blue level.

Reset: Resets the **10p White Balance** to its default settings.

- **Gamma**

Adjusts the primary color intensity.

- **Expert Pattern**

for LED 6100 – 7150 Series and PDP 6500 Series

Use the **Expert Pattern** function to calibrate the picture. If the OSD menu disappears or a menu other than the **Picture** menu is opened, the TV saves the calibration and the **Expert Pattern** screen disappears.

Off: Turns the **Expert Pattern** function off.

Pattern1: This test screen demonstrates the effect of your display settings on

shades of grey and black.


Pattern2: This test screen demonstrates the effect of your display settings on colors.

- ☒ After selecting **Pattern1** or **Pattern2**, you can adjust any of the advanced settings for the effect you desire.
- ☒ While the **Expert Pattern** is running, the TV does not output sound.
- ☒ Only enabled in DTV, Component, and HDMI modes.


- xvYCC

for LED 6100 – 7150 Series and PDP 6500 Series

Setting xvYCC on increases picture detail and enlarges the color space when you are watching movies input from an external device (e.g. BD/DVD player) connected to the TV's HDMI or Component IN jacks.

 Available only when you set the **Picture Mode** to **Movie** and the external input to HDMI or

Component.

 Some external devices may not support this function.

- **Motion Lighting**

When on, the TV automatically adjusts the brightness of the screen in response to the brightness of the room. In bright light, the screen brightens. In dim light, the screen dims.

 Only available in **Standard** mode.

 This feature is not supported in 3D

mode.

- ☞ When you change the **Backlight** for LED TV / **Cell Light** for PDP TV, **Contrast**, or **Brightness**, the TV sets **Motion Lighting** to **Off**.

Picture Options

Menu → **Picture** → **Picture Options**

Using this function, you can configure additional picture settings to suit your preference.


- ☞ When your TV is connected to a PC


via an HDMI to DVI cable, you can only make changes to **Color Tone**.

- **Color Tone**

Cool makes the picture bluer (cooler).

Warm1 and **Warm2** make the picture redder (warmer).

 **Warm1** and **Warm2** are deactivated when the **Picture Mode** is set to **Dynamic**.

 You can adjust and store settings for each external device connected to an

input on the TV. Select the **Source** and then adjust the settings.

- **Digital Noise Filter**

If the broadcast signal received by your TV is weak, you can activate the **Digital Noise Filter** feature to reduce any static and ghosting that may appear on the screen.

Auto Visualization: When changing analog channels, displays signal strength.

- ☞ When the signal is weak, try all the options until the TV displays the best picture.
- ☞ Only available for analog channels.
- ☞ When the bar is green, you are receiving the best possible signal.

- **MPEG Noise Filter**

Reduces MPEG noise to provide improved picture quality.

- **HDMI Black Level**

Lets you adjust the screen depth by

selecting a black level.

 Available only in HDMI mode.

- **Film Mode**

Sets the TV so that it senses and then processes film signals from all sources automatically and adjusts the picture for optimum quality.

for PDP TV The **Cinema Smooth** function is only active when the TV inputs an HDMI 24Hz signal.

 Available in TV, AV, Component (480i

/ 1080i) and HDMI (1080i).

- **Auto Motion Plus**

for LED 6100 Series and above


Removes blur and judder from scenes with larger amounts of rapid movement to provide a clearer picture.


Blur Reduction: Adjusts the blur reduction level for signals input from all video sources.


Judder Reduction: Adjusts the Judder reduction level for signals input from

a video source through which you are playing a movie.

Reset: Reset the custom settings to the factory defaults.

 The info screen on your TV displays the resolution and frequency of the incoming video signal (60 Hz). This displayed frequency is not the frequency of the picture the TV is displaying when you have **Auto Motion Plus** on.

 If noise occurs on the screen, please set **Auto Motion Plus** to **Off**. If **Auto Motion Plus** is set to **Custom**, you can control **Blur Reduction** and **Judder Reduction** manually and use **Reset** to reset both to their default settings.

 If **Auto Motion Plus** is set to **Demo**, you can compare the difference between a picture with **Auto Motion Plus On** and **Auto Motion Plus Off**.

- LED Motion Plus **for LED TV**

Removes blur and judder from scenes with large amounts of rapid movement to provide a clearer picture.

Reset Picture

Menu → Picture → Reset Picture


Resets your current picture mode to its default settings.

Using the TV with Your PC


Using Your TV as a Computer (PC) Display

Entering the Video Settings (Based on Windows 7)

For your TV to work properly as a computer display, you must enter the correct video settings after you have connected the TV to your PC.

 Depending on your version of Windows and your video card, the

procedure on your PC will probably differ slightly from the procedure presented here.

 However, the same basic information will apply in most cases. (If not, contact your computer manufacturer or Samsung Dealer.)

1. Click “Control Panel” on the Windows start menu.

2. Click “Appearance and Themes” in the “Control Panel” window. A

display dialog box appears.

3. Click “Display”. Another display dialog box appears.

4. Click the “Settings” tab on the display dialog box.

- On the Settings tab, set the correct resolution (screen size).

The optimal resolution for this TV is 1920 x 1080.

- If a vertical-frequency option exists on your display settings


dialog box, select “60” or “60 Hz” .
Otherwise, just click “OK” and exit
the dialog box.

Changing the Preset Sound Mode

Sound Mode

Menu → Sound → Sound Mode

Sound modes apply preset adjustments to the sound.

 If **Speaker Select** is set to **External Speaker**, **Sound Mode** is disabled.

- **Standard**

Selects the normal sound mode.

- **Music**

Emphasizes music over voices.

- **Movie**

Provides the best sound for movies.

- **Clear Voice**

Emphasizes voices over other sounds.

- **Amplify**

Increase the intensity of high-frequency sound to provide a better listening experience for the hearing impaired.

Adjusting Sound Settings

Sound Effect

Menu → Sound → Sound Effect

- ☒ If **Speaker Select** is set to **External Speaker**, **Sound Effect** is disabled.
- ☒ Available only when the **Sound Mode** is set to **Standard**.
- **SRS TruSurround HD**

This function provides a virtual 5.1 channel surround sound experience through a pair of speakers using HRTF

(Head Related Transfer Function)

technology.

- **SRS TruDialog**

This function allows you to increase the intensity of voices over background music or sound effects so that dialog can be heard more clearly.

- **Equalizer**

The **Equalizer** displays a series of sliders. Use the arrow buttons to select a slider, and then change the slider's

value. To **Reset** the **Equalizer**, select **Reset**. A pop-up appears asking if you want to reset. Select **Yes**. To exit, select **Close**.

Balance L/R: Adjusts the balance between the left and right speaker.

100Hz / 300Hz / 1kHz / 3kHz / 10kHz

(Bandwidth Adjustment): Adjusts the loudness of specific bandwidth frequencies.

Reset: Resets the equalizer to its default

settings.

Broadcast Audio Options

Menu → Sound → Broadcast Audio Options

- Preferred Language


(digital channels only)

Digital-TV broadcasts can simultaneously transmit many audio tracks (for example, simultaneous translations of a program into numerous foreign languages). You can only select a language from among the ones being

broadcasted.

- **Multi-Track Sound**

The broadcasts can transmit one or more audio tracks. You can select an audio track you want to listen from among the ones being broadcasted.

 While watching TV, you can open the **Tools** menu using your remote, and then select the **Multi-Track Sound** function in **Tools** menu immediately.

 **Multi-Track Sound** options may

differ depending on the program being broadcast or the broadcast signal.

SPDIF Output

Menu → Sound → SPDIF Output

SPDIF (Sony Philips Digital Interface) provides digital audio output to speakers and various digital devices such as A/V Receivers and Home Theaters which reduces interference and distortion.

- **Audio Format**

You can select the Digital Audio output (SPDIF) format. The available Digital Audio output (SPDIF) format may differ depending on the input source.

- **Audio Delay**

Lets you correct timing mismatches between the audio track and the video when you are watching the TV and listening to digital audio output from the TV through an external device such as an AV receiver. When you select the

Audio Delay function, a slider screen appears. Adjust the option value using your remote (0ms ~ 250ms).

Speaker Settings


Menu → Sound → Speaker Settings


- **Speaker Select**

If you are listening to the sound track of a broadcast or movie through an external receiver, you may hear a sound echo caused by the difference in decoding speed between the TV's

speakers and the speakers attached to your audio receiver. If this occurs, set the TV to **External Speaker**.

- ☞ When **Speaker Select** is set to **External Speaker**, the TV's speakers are turned off. You will hear sound through the external speakers only. When the **Speaker Select** is set to **TV Speaker**, both the TV's speakers and the external speakers are on. You will hear sound through both.


 When the **Speaker Select** is set to **External Speaker**, the volume buttons and mute functions will not operate and the sound settings will be limited.

 If there is no video signal, both the TV's speakers and the external speakers will be mute.

- **Auto Volume**

Because each station has its own broadcasting conditions, the volume

may fluctuate each time you change the channel. This feature automatically adjusts the volume of a channel by lowering the sound output when the modulation signal is high or by raising the sound output when the modulation signal is low.

 To use the volume control of a connected source device, set **Auto Volume** to **Off**. If **Auto Volume** is set to **Normal** or **Night**, adjusting

the volume control of a connected source device may have no effect.

Reset Sound

Menu → Sound → Reset Sound

Reset all sound settings to the factory defaults.

Connecting to the Network

The Wired Network Connection

There are three ways to attach your TV to your LAN using cable:

☞ For illustrations of the three kinds of wired network connections, see your paper user's manual.

- You can attach your TV to your LAN by connecting the LAN port on the back of your TV to an external modem using a LAN cable.

- You can attach your TV to your LAN by connecting the LAN port on the back of your TV to a router which is connected to an external modem. Use LAN cable for the connection.
- You may be able to attach your TV to your LAN by connecting the LAN port on the back of your TV directly to a network wall outlet using a LAN cable. Note that the wall outlet is attached to a modem or router

elsewhere in your house.

- ☞ If your network requires a Dynamic IP address, you should use an ADSL modem or router that supports the Dynamic Host Configuration Protocol (DHCP). Modems and routers that support DHCP automatically provide the IP address, subnet mask, gateway, and DNS values your TV needs to access the Internet so you do not have to enter them manually.

Most home networks use a Dynamic IP address.

- ☞ Some networks require a Static IP address. If your network requires a Static IP address, you must enter the IP address, subnet mask, gateway, and DNS values manually when you set up the network connection. To get the IP address, subnet mask, gateway, and DNS values, contact your Internet Service Provider (ISP). If

you have a Windows computer, you can also get these values through your computer.

- ☞ You can use ADSL modems that support DHCP if your network requires a Static IP address. ADSL modems that support DHCP also let you use Static IP addresses.

The Wireless Network Connection


- ☞ For an illustration of the wireless network connection, see your paper


user's manual.

You can connect your TV to your LAN through a standard wireless router or modem.


This TV supports the IEEE 802.11a/b/g and n communication protocols.

Samsung recommends using IEEE 802.11n. When you play video over a network connection using IEEE 802.11 a/b or g, the video may not play smoothly.


 To use a wireless network, your TV must be connected to a wireless router or modem. If the wireless router or modem supports DHCP, your TV can use a DHCP or static IP address to connect to the wireless network.

 Select a channel on the wireless router or modem that is not currently being used. If the channel set for the router or modem is currently

being used by another device nearby, this will result in interference and communication failure.

 Your TV supports only the following wireless network security protocols:

- Authentication Mode : WEP, WPAPSK, WPA2PSK
- Encryption Type : WEP, TKIP, AES

 If you select the Pure High-throughput (Greenfield) 802.11n mode and the Encryption type is set

to WEP or TKIP on your AP (access point) or wireless router, Samsung TVs will not support a connection in compliance with new Wi-Fi certification specifications.

- ☑ If your wireless router or modem supports WPS (Wi-Fi Protected Setup), you can connect to the network via PBC (Push Button Configuration) or a PIN (Personal Identification Number). WPS will

automatically configure the SSID and WPA key in either mode.

- ☞ If your router, modem, or device is not certified, it may not connect to the TV.
- ☞ **Connection Methods:** You can set up the wireless network connection in four ways:
 - **Using Auto Setup (with the Auto Network Search function)**
 - **Using Manual Setup**

- Using **WPS(PBC)**
- Using **Plug & Access**

Setting up a Wired Network

Network Settings

Menu → Network → Network Settings

Set up the wired network connection so you can use various Internet services such as [Smart Hub](#) and [AllShare Play](#) and perform software upgrades.

Automatic Wired Network Setup

You can configure your TV's wired network connection automatically when connecting your TV to a network that

supports DHCP.


- ☑ If you have connected a LAN cable, the wired network set up screen appears automatically.

To set up your TV's wired network connection automatically, follow these steps:

1. Go to the **Network Settings** screen.
(**Network** → **Network Settings**)
2. Select **Start**. The network test screen appears and verifies the network

connection.

3. When the connection has been verified, the "You are connected to the Internet. If you have any problems using online services, please contact your Internet Service Provider." message appears. Select **OK**.

 If the connection process fails, check the LAN port connection.

 If the automatic process cannot find

the network connection values or if you want to set the connection manually, go to the next section, "Manual Network Setup."

Manual Wired Network Setup

You can configure your TV's wired network connection manually when connecting your TV to a network that requires a Static IP address.

Getting the Network Connection Values

To view the Network connection values

on most Windows computers, follow these steps:

1. Right click the Network icon on the bottom right of the screen.
2. In the pop-up menu that appears, click Status.
3. On the dialog that appears, click the Support tab.
4. On the Support Tab, click the Details button. The Network connection values are displayed.

To set up your TV's wired network connection manually, follow these steps:


1. Go to the **Network Settings** screen.
(**Network** → **Network Settings**)
2. Select **Start**. The network connection screen appears and the verification process starts.
3. Select **Stop**. The verification process stops. Select **IP Settings** on the network connection screen. The **IP**

Settings screen appears.

4. Select the **IP Mode**, and then set the **IP Mode** to **Manual**.
5. Go to the **IP Address** entry field, and then select the **IP Address** using the remote.
6. Enter the first portion of the **IP Address** (for example, 105) into the first entry field using your remote. When done, go to the next field.
7. Enter the next portion of the **IP**

Address. When done, go to the next field.

8. Repeat the entry process for each field in the **IP Address**.

 If you make a mistake when entering a number, re-enter the number to correct it.

9. When done, go to the **Subnet Mask** fields.

10. Repeat the same entry process for **Subnet Mask**, **Gateway**, and **DNS**

Server.

11. When done, select **OK**. The network test screen appears and the verification process starts. When the connection has been verified, the "You are connected to the Internet. If you have any problems using online services, please contact your Internet Service Provider." message appears. Select **OK**.

Menu → Network → Network Status

You can check the current network and Internet status.

If the wired network connection failed...

- **No network cable found.**

Check if your network cable is plugged in. If it is connected, make sure that the router is turned on. If it is on, try turning it off and on again.

- **IP auto setting failed.**

Try the following to set your IP address

automatically or set your IP address manually by selecting [IP Settings](#).

1.) Ensure that DHCP server is enabled on the router. 2) Unplug and re-plug-in the router. 3) Contact your Internet Service Provider for more information.

- **Unable to connect to the network.**

Try the following: check if your IP address is set correctly in [IP Settings](#).

Contact your Internet Service Provider for more information.

- **Connected to your local network, but cannot connect to the Internet.**

Check the DNS settings in [IP Settings](#) or contact your Internet Service Provider to access the Internet.

- **Network setup complete, but cannot connect to the Internet.**

Contact your Internet Service Provider to access the Internet.

Setting up a Wireless Network

Network Settings

Menu → Network → Network Settings

Set up the wireless network connection so you can use various Internet services such as [Smart Hub](#) and [AllShare Play](#) and perform software upgrades.


Automatic Wireless Network Setup

Most wireless networks have an optional security system that requires devices that access the network to

transmit an encrypted security code called an Access or Security Key. The Security Key is based on a Pass Phrase, typically a word or a series of letters and numbers of a specified length you were asked to enter when you set up wireless security for your wireless network.

If you use this method of setting up the network connection, and have a Security Key for your wireless network,

you will have to enter the Pass Phrase during the automatic or manual setup process.

 Depending on your router or modem, you may be able to use a WPS PIN instead.

To set up your TV's wireless network connection automatically, follow these steps:

1. Go to the **Network Settings** screen.
(**Network** → **Network Settings**)

2. Select **Start**. The network function searches for available wireless networks. When done, it displays a list of the available networks.
3. In the list of networks, select a network you want to connect to, and then select **Next**.




If the wireless router is set to Hidden (Invisible), you have to select **Add Network** and enter the correct **Network Name** (SSID)


and Security Key to establish the connection.

4. If the Enter security key screen appears, go to step 5. If you selected a wireless router that does not have wireless security, go to step 7.
5. To set up wireless security, enter the Security Key or a **WPS PIN** using the keyboard on the Enter security key screen.

 To enter letters, highlight and

select each letter. To enter numbers, highlight and select each number or press the number buttons on your remote.

 To shift to capital letters (or from capital letters to lower case), select the **Caps** or **Shift** button.



 To display symbols and punctuation, select 1★. To redisplay letters, select 1★ again.

 You should be able to find the

Pass Phrase on one of the set up screens you used to set up your router or modem.

6. When done, select **Next** if you entered a Security Key or **WPS PIN** if you entered a PIN. The network connection screen appears and the verification process starts.
7. When the connection has been verified, the "**You are connected to the Internet.** If you have any

problems using online services, please contact your Internet Service Provider." message appears. Select **OK**.

-  If the network does not accept the Security Key or PIN, select **Retry** or select **IP Settings** to enter the settings manually.
-  If you want to set up the connection manually, select **IP Settings**. Then, go to the next section, “Manual Network

Setup” .

Manual Wireless Network Setup

You can configure your TV's wireless network connection manually when connecting your TV to a network that requires a Static IP address or if the automatic connection process has failed.

Getting the Network Connection Values

To view the Network connection values on most Windows computers, follow


these steps:

1. Right click the Network icon on the bottom right of the screen.
2. In the pop-up menu that appears, click Status.
3. On the dialog that appears, click the Support tab.
4. On the Support Tab, click the Details button. The Network connection values are displayed.

To set up your TV's wireless network

connection manually, follow these steps:



1. Go to the **Network Settings** screen.
(**Network** → **Network Settings**)
2. Select **Start**. The network function searches for available wireless networks. When done, it displays a list of the available networks.
3. In the list of networks, select a network you want to connect to, and then select **Next**.

 If the wireless router is set to Hidden (Invisible), you have to select **Add Network** and enter the correct **Network Name** (SSID) and Security Key to establish the connection.

4. If the Enter security key screen appears, go to step 5. If you select a wireless router that does not have wireless security, go to step 7.

5. To set up wireless security, enter the

Security Key or a **WPS PIN** using the keyboard on the Enter security key screen.

-  To enter letters, highlight and select each letter. To enter numbers, highlight and select each number or press the number buttons on your remote.
-  To shift to capital letters (or from capital letters to lower case), select the **Caps** or **Shift** button.

- ☞ To display symbols and punctuation, select 1★. To redisplay letters, select 1★ again.
- ☞ You should be able to find the Pass Phrase on one of the set up screens you used to set up your router or modem.

6. When done, select [Next](#) if you entered a Security Key or [WPS PIN](#) if you entered a PIN. The network connection screen appears and the


verification process starts.

7. Select **Stop**. The verification process stops. Select **IP Settings** on the network connection screen. The **IP Settings** screen appears.
8. Select **IP Mode**, and then set the **IP Mode** to **Manual**.
9. Go to the **IP Address** entry field, and then select the **IP Address** using the remote.
10. Enter the first portion of the **IP**

Address (for example, 105) into the first entry field using your remote. When done, go to the next field.

11. Enter the next portion of the **IP Address**. When done, go to the next field.

12. Repeat the entry process for each field in the **IP Address**.

 If you make a mistake when entering a number, re-enter the number to correct it.

13. When done, go to the **Subnet Mask** fields.
14. Repeat the same entry process for **Subnet Mask**, **Gateway**, and **DNS Server**.
15. When done, select **OK**. The network connection screen appears and the verification process starts. When the connection has been verified, the **"You are connected to the Internet. If you have any problems using online**

services, please contact your Internet Service Provider." message appears. Select **OK**.

WPS(PBC) Network Setup

If your router has a WPS(PBC) button, you can configure your TV's wireless network connection using the WPS(PBC) button quickly and easily.

To set up your TV's wireless network connection using WPS(PBC), follow these steps:

1. Go to **Network Settings** screen.
(**Network** → **Network Settings**)
2. Select **Start**. The network function searches for available wireless networks. When done, it displays a list of the available networks.
3. Select **WPS(PBC)**.
4. Press the WPS(PBC) button on your router within 2 minutes. Your TV automatically acquires all the network setting values it needs and connects


to your network.

5. The network connection screen appears, and network setup is done.

Plug & Access Network Setup

The **Plug & Access** function lets you easily connect your Samsung TV to your Samsung wireless router by using a USB memory stick to transfer the setup information from the router to the TV. If your non-Samsung wireless router does not support **Plug & Access**,

you must connect using one of the other methods.

 You can check for equipment that supports **Plug & Access** on www.samsung.com.

To set up your TV's wireless network connection using Plug & Access, follow these steps:

1. Turn on the Samsung wireless router and your TV.
2. Insert a USB memory stick into the

USB port in your Samsung wireless router. Check the router's LED's to make sure it is on (Blinking → on).

3. Take the USB memory stick out of the router, and then insert it into a USB port on your Samsung TV. The memory stick downloads the connection information.
4. Wait until the connection is automatically established.

 If **Plug & Access** does not connect

your TV to your wireless router, a popup screen appears on the screen notifying you of the failure. If you want to try using **Plug & Access** again, disconnect the USB memory stick, reset the router, and then try again from Step 1. You can also choose one of the other connection setup methods.

5. The network connection screen appears, and the network setup is

done.

- ☑ If the wireless router's settings change or you install a new wireless router, you must perform the **Plug & Access** procedure again, beginning from Step 1.

Network Status

Menu → Network → Network Status

You can check the current network and Internet status.

If the wireless network connection failed...

- **Wireless network connection failed.**

No wireless router selected. Go to [Network Settings](#) to select your router.

- **Unable to connect to wireless router.**

Try the following: check if the router is turned on, and if it is, try turning it off and on again. Check if you need to enter a security key to use the router.

- **IP auto setting failed.**

Try the following to set your IP address

automatically or set your IP address manually by selecting [IP Settings](#).

1.) Ensure that DHCP server is enabled on the router. 2.) Unplug and re-plug-in the router. 3.) Contact your Internet Service Provider for more information.

- **Unable to connect to the network.**

Try the following: check if your IP address is set correctly in [IP Settings](#).

Contact your Internet Service Provider for more information.

- **Connected to your local network, but cannot connect to the Internet.**

Check the DNS settings in [IP Settings](#), or contact your Internet Service Provider to access the Internet.

- **Network setup complete, but cannot connect to the Internet.**


Contact your Internet Service Provider to access the Internet.

Managing the Network Connected Devices

Wi-Fi Direct

Menu → Network → Wi-Fi Direct

Set to connect the TV to wireless mobile devices. Using this function, you can connect wireless mobile devices to your TV directly without a router.

 To use this function, your mobile device should be supported by the **Wi-Fi Direct**.

To connect your mobile device with

your TV using Wi-Fi Direct, follow these steps:

1. Turn on the **Wi-Fi Direct** device and activate its **Wi-Fi Direct** function.
2. Go to the **Wi-Fi Direct** screen (**Network** → **Wi-Fi Direct**). The TV starts to search for devices, and then displays the devices on the **Wi-Fi Direct** screen.
3. Select the desired Wi-Fi device.
4. On the Wi-Fi device:

- For **PBC**: Press the WPS(PBC) button on your Wi-Fi device within 2 minutes. The Connecting popup appears, followed by the Connected pop-up. When it closes, you should see the device listed on the **Wi-Fi Direct** screen as connected.
- For **PIN**: Input the displayed PIN on your device. The Connecting popup appears, followed by

the Connected pop-up. When it closes, you should see the device listed on the [Wi-Fi Direct](#) screen as connected.

- ☞ If you want to disconnect the device, select the connected Wi-Fi device, and then select [Disconnect](#).

Soft AP

[Menu](#) → [Network](#) → [Soft AP](#)

Using this function, you can connect the TV to your mobile devices if your

mobile devices do not support **Wi-Fi Direct**.

The **Soft AP** screen lets you set the options for connecting Wi-Fi devices.

- **Soft AP**

Turns **Soft AP** on or off. When **Soft AP** is set to **On**, your mobile devices can find the TV's network name in their Wi-Fi connection list.

- **Security key**

Enter a Security key at least 9

characters long using the remote control. Select **Done** when finished.

- If the security key is not at least 9 characters long, **Done** is not available.
- To connect a mobile device to the TV, you must input the security key into the device.
- If the network does not operate correctly, check the security key again. An incorrect security key may

cause a malfunction.

AllShare Settings

Menu → Network → AllShare Settings

AllShare Play lets you play **Videos**, **Photos**, or **Music** located on your PC or your DLNA compatible device on the TV using a network connection. It also lets you control the TV through these devices.

The **AllShare Settings** screen lists your network connected AllShare devices

and their IP addresses. Through this screen, you can allow a device to access the TV, deny access, or delete the device from the AllShare list.

The [AllShare Settings](#) screen only displays devices if you have established networked connections to AllShare devices. Otherwise, it will be empty.

To use the AllShare network function, you must install the AllShare network software on your PC. For details on set

up options, refer to "Using the DLNA Function".

Device Name

Menu → Network → Device Name

Enter a name for this TV. This name will be shown on network remote controls and devices using **AllShare Play**.


- ☞ A keyboard appears on the screen. Key in a name for your TV using your remote control. When finished, select **Done**.

- ☞ To enter letters, highlight and select each letter. To enter numbers, highlight and select each number or press the number buttons on your remote.
- ☞ To shift to capital letters (or from capital letters to lower case), select the **Caps** or **Shift** button.
- ☞ To display symbols and punctuation, select 1★. To redisplay letters, select 1★ again.

Setting the Time


Time

Menu → System → Time

 The time you set will appear when you press the **INFO** button.

- **Clock**

Set the clock to use the various timer features of the TV.

 If you disconnect the power cord, you have to set the clock again.

To set the clock, follow these steps:

1. Go to **Clock** screen (**System** → **Time** → **Clock**).

2. Select **Auto** or **Manual**.


♦ If you selected **Auto**:

The TV will automatically download the correct time from a digital channel.


– Select **Time Zone**, and then select your Time Zone.

– Select **DST** (Daylight Savings Time). Select **On** if you want to

turn the **DST** adjustment on and off manually. Select **Off** to turn off the **DST** adjustment.


 **DST** and **Time Zone** function are only available when the **Clock Mode** is set to **Auto**.

- ◆ If you selected **Manual**:
 - The **Clock Set** screen appears. Set the **Date** and **Time** manually. You can set the current date and time using your remote.

 Available only when **Clock Mode** is set to **Manual**.

- **Sleep Timer**

Automatically shuts off the TV after a preset period of time. (30, 60, 90, 120, 150, or 180 minutes).

 Select a period of time using your remote. To cancel the **Sleep Timer**, select **Off**.

- **On Timer**



Set **On Timer** so that your TV turns on

automatically at a time and on a day of your choosing. You can set up three separate **On Timer** configurations (**On Timer 1**, **On Timer 2**, **On Timer 3**) and select the source of the content the TV plays when it turns on: an air or cable channel, a USB device, or a set-top box connected to one of the TV's inputs (HDMI1, AV1, etc.).

 You must set the clock before you can use the **On Timer** function.

Setup: Select **Off**, **Once**, **Everyday**, **Mon~Fri**, **Mon~Sat**, **Sat~Sun** or **Manual**.

If you select **Manual**, you can select the days you want to activate the timer.

 The  mark indicates days you've selected.


Time: Set the time that the TV turns on automatically.


Volume: Set the desired loudness.

Source: To select the source of the content that will play when the TV


turns on. You can:

- Select **TV** and have the TV display a specific air or cable channel.
- Select **USB** and have the TV play back photo or audio files from a USB device.
- Select a source on your TV (**HDMI1**, **HDMI2**, **Component**, etc.) that you have connected a set-top box to, and have the TV display a channel from the set-top box.

 The USB device must be connected to your TV before you can select **USB**.

 If you select a source other than **TV** or **USB**, you must:

- ◆ Have a cable or satellite set-top box attached to that source.
- ◆ Set the set-top box to the channel you want to watch when the TV goes on.
- ◆ Leave the set-top box turned on.

 When you select a source other than **TV** or **USB**, the **Antenna** and **Channel** options will disappear.

Antenna (when the **Source** is set to **TV**): Select **Air** or **Cable**.

Channel (when the **Source** is set to **TV**):
Select the desired channel.

Music / Photo (when the **Source** is set to **USB**): Select a folder in a USB device that contains music that you want played when the TV turns on


automatically or a folder that contains music and a folder that contains photo files. If you select both, the TV will display the photos you selected as it plays the music you selected.

To select folders on a USB device, follow these steps:

1. Select **Music**. The TV displays types or names of the attached USB devices. If you have more than one USB device attached, the TV lists all

the devices.


2. Select the type or name of the device you want to play. A list of folders on the selected device appears.


 If there are no folders on your device, highlight and select the **Select** button to the right of the device name. The Timer screen re-appears with the name of the device in the Music field. Go to Step 4.

3. Highlight a folder that contains music, and then highlight and select the **Select** button next to it. The Timer screen re-appears with the folder name in the Music field.
4. If you want the TV to display photos as the music you chose plays, select **Photos**, and then repeat the same process.
5. When done, select the **Close** at the bottom of the screen.

- ☞ You must select a music file. You cannot select only a photo file.
- ☞ If there is no music file on the USB device or you don't select a folder containing a music file, the Timer function does not operate correctly.
- ☞ If there is only one photo file in the USB, the slide show will not play.
- ☞ If a folder name is too long, the folder cannot be selected.
- ☞ Each USB you use is assigned its

own folder. When using more than one of the same type of USB, make sure the folders assigned to each USB have different names.

 We recommend that you use a USB memory stick and a multi card reader when using the [On Timer](#).

 The [On Timer](#) function may not work with USB devices that have a built-in battery, or with MP3 players or PMPs made by some manufacturers

because the TV can take too long to recognize these devices.

☞ If you set the **On Timer** to play a file saved on a USB HDD, it may take up to 40 seconds or more to start playing the file after the TV is turned on.

- **Off Timer**



Set **Off Timer** so that your TV turns off automatically at a time and on a day of your choosing. You can set up three

separate **Off Timer** configurations. (**Off Timer 1, Off Timer 2, Off Timer 3**)

 You must set the clock before you can use the **Off Timer**.

Setup: Select **Off, Once, Everyday, Mon~Fri, Mon~Sat, Sat~Sun** or **Manual**.

If you select **Manual**, you can choose the days you want **Off Timer** to turn off your TV.

 The  mark indicates days you've selected.

Time: Set the time that the TV turns off automatically.

Blocking Programs

Security


Menu → System → Security

Using this function, you can configure program related security options.

When you access the **Security** functions for the first time, the PIN input screen appears. Enter the default 4 digit PIN:

0-0-0-0. The PIN screen closes and the **Security** Menu appears. Every time you access the **Security** functions, the PIN

screen appears and you must enter a PIN.

 The default PIN number for a new TV set is “0-0-0-0”. You can change the PIN using the [Change PIN](#) function.

- [Program Rating Lock](#)

The Program Rating Lock feature lets you block programs you've determined are inappropriate for your children based on their ratings. To access the Program Rating Lock feature and make

any changes, you must enter a PIN (personal identification number). To watch a blocked program, you must also enter the same PIN.

 The **Program Rating Lock** is not available in HDMI or Component mode.

TV Rating: You can block TV programs based on their ratings. This function allows you to control what your children can watch.

TV Rating displays a grid with locks.

The following categories are on the left side:

- **TV-Y**: Young children
- **TV-Y7**: Children 7 and over
- **TV-G**: General audience
- **TV-PG**: Parental guidance
- **TV-14**: Viewers 14 and over
- **TV-MA**: Mature audience


The following categories are on top:


- **ALL**: Lock all TV ratings.

- **FV**: Fantasy violence
- **V**: Violence
- **S**: Sexual situation
- **L**: Adult Language
- **D**: Sexually Suggestive Dialog

To block certain content, select a lock. (That is, “click it” .). For example, click the lock at the intersection of **V** and **TV-MA**, and you block all programs that are rated violent and for mature adults. The rating categories are also

grouped so that clicking one category blocks all the categories a parent would block along with it. For example, if you click **TV-G** under **ALL**, then all the categories associated with **TV-G** will be blocked (**TV-G**, **TV-PG**, **TV-14** and **TV-MA**). The sub-ratings (**D**, **L**, **S**, **V**) work similarly. So, if you block the **L** sub-rating in **TV-PG**, then the **L** sub-ratings in **TV-14** and **TV-MA** will automatically be blocked.

 To unblock a category, click the lock icon. To unblock all the categories in a row, click the lock under **ALL**.

 To watch a blocked program, you must enter the PIN code when requested.

Movie Rating (MPAA): You can block movies based on their MPAA rating. The Motion Picture Association of America (MPAA) has implemented a rating system that provides parents or

guardians with advanced information on which films are appropriate for children.

Movie Rating (MPAA) displays a column with locks and the following ratings categories:

- **G**: General audience (no restrictions).
- **PG**: Parental guidance suggested.
- **PG-13**: Parents strongly cautioned.
- **R**: Restricted, Children under 17 should be accompanied by an adult.

- **NC-17**: No children under age 17.
- **X**: Adults only.
- **NR**: Not rated.

To block certain content, select an entry field to lock (That is, “click it” .). For example, click the **X** lock and you block all X-rated movies.

The rating categories are also grouped so that clicking one category blocks all the categories a parent would block along with it. For example, if you block

the **PG-13** category, then **R**, **NC-17** and **X** will automatically be blocked also.

 To unblock a category, click the lock icon.

Canadian English Rating: You can block TV programs based on their Anglophone Canadian ratings.

Canadian English Rating displays a column with locks and the following ratings categories:

- **C**: Programming intended for children

under age 8.

- **C8+**: Programming generally considered acceptable for children 8 years and over to watch on their own.
- **G**: General programming, suitable for all audiences.
- **PG**: Parental Guidance.
- **14+**: Programming contains themes or content which may not be suitable for viewers under the age of 14.

– 18+: Adult programming.

To block certain content, select an entry field to lock (That is, “click it” .).

For example, click the 18+ lock and you block all TV programs rated 18+.

The rating categories are also grouped so that clicking one category blocks all the categories a parent would block along with it. For example, if you block the G category, then PG, 14+ and 18+ will automatically be blocked.

 To unblock a category, click the lock icon.

Canadian French Rating: You can block TV programs based on their French Canadian ratings.

Canadian French Rating displays a column with locks and the following ratings categories:

- **G:** General
- **8 ans+:** Programming generally considered acceptable for children

8 years and over to watch on their own.

- **13 ans+**: Programming may not be suitable for children under the age of 13.
- **16 ans+**: Programming is not suitable for children under the age of 16.
- **18 ans+**: Programming restricted to adults.

To block certain content, select an entry field to lock (That is, “click it” .).

For example, click the **18 ans+** lock and you block all TV programs rated 18 ans+.

The rating categories are also grouped so that clicking one category blocks all the categories a parent would block along with it. For example, if you block the **8 ans+** category, then **13 ans+**, **16 ans+** and **18 ans+** will automatically be blocked also.

 To unblock a category, click the lock

icon.


Downloadable U.S. Rating: Parental restriction information you can use while watching DTV channels.


- ☒ If information is not downloaded from the broadcasting station, the **Downloadable U.S. Rating** menu is deactivated.
- ☒ Parental restriction information is automatically downloaded while you watch DTV channels. It may take


several seconds.

- ☞ The **Downloadable U.S. Rating** menu is available for use after information is downloaded from the broadcasting station. However, depending on the information from the broadcasting station, it may not be available for use.
- ☞ Parental restriction levels differ depending on the broadcasting station. The default menu name and

the **Downloadable U.S. Rating** change depending on the downloaded information.

 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 them in the **Enter New PIN**

fields. Re-enter the same 4 digits in

the **Confirm New PIN** fields. When



the Confirm screen disappears, select **Close**. 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 a pop-up message appears. Enter the PIN to unblock the program or movie using

your remote.

- ☞ If you forget the PIN code, press the remote control buttons in the following sequence in Standby mode: **MUTE**  → **8** → **2** → **4** →  (power on). This resets the PIN to “0-0-0”.

Economical Solutions

Eco Solution


Menu → System → Eco Solution

- Energy Saving

Lets you adjusts 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

To enhance power savings, the picture settings will automatically adapt to the light in the room.

 If you adjust **Backlight for LED TV** / **Cell Light for PDP TV** in the **Picture** menu, the **Eco Sensor** is set to **Off** automatically.

Min. Backlight for LED TV / **Min Cell Light for PDP TV**: When the **Eco Sensor** is set to **On**, you can manually adjust

the minimum screen brightness.

 If the **Eco Sensor** is set to **On**, the display brightness may change (become slightly darker or brighter) depending on the light intensity in your room. You can control the screen's minimum brightness with the **Min. Backlight / Min Cell Light** function.

- **No Signal Power Off**

To avoid unnecessary energy

consumption, you can set how long you want the TV to remain on if it's not receiving a signal.

- **Auto Power Off**

The TV will automatically turn off when no user operation is detected for 4 hours.

Picture In Picture (PIP)


PIP

Menu → System → PIP

You can watch a program whose signal has passed through the TV's tuner and watch 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.

 While **Smart Hub** or **Program Rating Lock** is on, you cannot use **PIP**.

- **PIP**

Activate or deactivate the **PIP** function.

- **Air/Cable**

Select either **Air** or **Cable** as the input source for the sub-picture screen.

- **Channel**

Select the channel for the sub-picture screen.

- **Size**


Select a size for the sub-picture screen.

- **Position**




Select a position for the sub-picture screen.

- **Sound Select**

You can choose to listen to the sound from the main picture or the sub picture.

 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** screen becomes slightly unnatural when you use the main screen to view a game or karaoke.
-  **PIP** does not work when the 3D function is active.
-  **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 screen.


- Main picture: Component, HDMI
- Sub picture: TV


Using the TV with a Keyboard and a Mouse

Device Manager

Menu → System → Device Manager

Using this function, you can set up a keyboard or mouse to use with the TV. You can view your device lists and adjust keyboard or mouse settings in this menu.

 Depending on the model of the USB HID keyboard and mouse may not be compatible with your TV.

 You can connect a keyboard and mouse at the same time.

- **Keyboard Settings**

Lets you use a USB or Bluetooth keyboard with your TV. If you want to use a USB keyboard, connect it to the USB port.

for LED 6500 Series and above, PDP TV If you want to use a Bluetooth keyboard, connect it using the Bluetooth function.

 You can use the keyboard only

when the **QWERTY** keyboard screen appears in the **Web Browser**.

Select Keyboard

Select which keyboard to use from your keyboard list. You can only use one keyboard at a time, even if several are connected.

Add Bluetooth Keyboard

for LED 6500 Series and above, PDP TV You can add a Bluetooth keyboard.

Keyboard Options

Sets the default options for the keyboard language and type.

- **Keyboard Language:** Set a language for your keyboard.
- **Keyboard Type:** Set the type of keyboard you're using to enter text.
- **Switch Input Language:** Select a key sequence that switches the input language.
- **Mouse Settings**

Lets you use a USB or Bluetooth mouse

with your TV. If you want to use a USB mouse, connect it to the USB port.

for LED 6500 Series and above, PDP TV If you want to use a Bluetooth mouse, connect it using the Bluetooth function.

You can use a mouse in the TV's menu in the same way you use a mouse on your PC.

Select Mouse

Select which mouse to use from your mouse list. You can only use one

mouse at a time, even if several are connected.

Add Bluetooth Mouse

for LED 6500 Series and above, PDP TV You can add a Bluetooth mouse.

Mouse Options

Sets the default options for the mouse buttons.






- **Primary Button:** Select the main button you want to use to click and select on screen.

- **Pointer Size**: Set the size of the on-screen mouse pointer.
- **Pointer Speed**: Select the speed of the mouse pointer.

Using the TV's menu with a mouse

1. Connect a USB or Bluetooth mouse on your TV.
2. Click the primary button you selected. The **Go To** pop-up appears.
3. Select **Smart Hub** or **Menu** in **Go To**.
4. Use the mouse the same way

you would use a mouse on your computer. For example, to open **Channel** on the **Smart Hub** screen, click the Channel icon.

-  To exit an entry field that does not close, click  **Return**.
-  To exit a menu or the **Smart Hub** screen, click  **Return**.
-  To hide the mouse pointer, move it slightly off the bottom of the screen.

Other Features

Menu Language

Menu → System → Menu Language

Set the menu language.

1. Select **Menu Language**.
2. Choose a language you want to use.

Caption


(On-Screen Text Dialogue)

Menu → System → Caption

- **Caption**


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 or HDMI 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 caption function works with digital channels.

 **Service1** - **Service6** may not be available in digital caption mode depending on the broadcast.

- **Digital Caption Options**

(Digital channels only)

Lets you adjust each option.

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

Font Style: Options include **Default** and **Style0** to **Style7**. The default is **Style0**.

Font 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 captions.

Options include **Default**, **White**, **Black**, **Red**, **Green**, **Blue**, **Yellow**, **Magenta** and

Cyan. The default is Black.

Font 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 the Size, Font Style, Font Color, Background

Color, Font Opacity and Background Opacity settings to their defaults.

- ☒ Digital Caption Options are available only when you can select 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 both the Font Color and the Background Color to the

same color.

- ☒ You cannot set both the **Font Opacity** and the **Background Opacity** to the same setting.

Screen Burn Protection **for PDP TV**

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 Pixel Shift Time setting allows

you to program the time between movements of the picture in minutes. Your TV has the following screen burn protection functions:

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

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:

Horizontal

- Available Settings: 0 - 4 (pixels)
- Optimum settings for TV/AV/
Component/HDMI: 4


Vertical


- Available Settings: 0 - 4 (pixels)

- Optimum settings for TV/AV/
Component/HDMI: 4

Time (minutes)

- Available Settings: 1 - 4 min
- Optimum settings for TV/AV/
Component/HDMI: 4 min

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

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

- **Auto Protection Time**


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 screen according to a pattern.

Use this function when there are after

images or symbols on the screen, especially after 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.

 Press any button to cancel this

feature.

- **Side Gray**

Lets you select the color of the sidebars your TV displays when you set the screen size to 4:3.

Auto Protection Time for LED TV

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.

General

Menu → System → General

- **Game Mode**


When you have connected a game console such as a PlayStation™ or Xbox™ to the TV, you can enjoy a more realistic gaming experience by turning on the **Game Mode** function.


Precautions and limitations for Game Mode

- Before you disconnect the game


console and connect another external device, set **Game Mode** to **Off**.

– 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.

 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 slightly reduced picture

quality.

 If **Game Mode** is set to **On**, **Picture Mode** is set to **Standard** and **Sound Mode** is set to **Movie** automatically.

- **BD Wise**

Provides the optimal picture quality for Samsung DVD, Blu-ray, and Home Theater products which support **BD Wise**. When **BD Wise** is set to **On**, the picture mode is automatically changed to the optimal resolution.

 Available when you connect

Samsung products that support **BD Wise** through an HDMI cable to the TV.

- **Menu Transparency**

Lets you adjust the transparency of the menu box.

- **Sound Feedback**

Your TV provides sound feedback when you use it (clicks, etc.). **Sound Feedback** is enabled by default. You can turn off

Sound Feedback or adjust its volume.

- **Panel Lock**

Lock or unlock all the keys on the front panel at once. When **Panel Lock** is on, none of the keys on the front panel operate.

- **Boot Logo**

Displays the Samsung logo when the TV is turned on.

- **Light Effect** for LED 7100 and 7150 Series

You can turn the LED on the TV's front

panel on or off. Turn it off to save power or if the LED is too bright for you.

- ☒ Set the **Light Effect** to **Off** to reduce the power consumption.
- ☒ The color of light may vary depending on the model.

Anynet+ (HDMI-CEC)

Menu → System → Anynet+ (HDMI-CEC)

Allows you to control all connected Samsung devices that support Anynet+

with your Samsung TV's remote. For details on set up options, refer to the "Anynet+ (HDMI-CEC)" instructions.

DivX® Video On Demand

Menu → System → DivX® Video On Demand

Shows the registration code authorized for the TV. If you connect to the DivX web site and register with 10-digit registration code, you can download the VOD activation file. Once you play

it using AllShare Play, the registration is completed.

 For more information on DivX(R) VOD, visit <http://vod.divx.com>.


Support Menu

e-Manual

Menu → Support → 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 User's Manual.

Self Diagnosis

Menu → Support → 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 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.

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.

- **Reset**

Reset all settings to factory defaults except for your network settings.

To reset your TV to its default settings, follow these steps:

1. Go to the **Reset** menu. (**Support** → **Self Diagnosis** → **Reset**)
2. The PIN input screen appears. Enter the four digit security PIN using your remote.
 -  If you have not changed the PIN, enter the default PIN, 0-0-0-0.
You can change the PIN using the **Change PIN** option. (**System** → **Security** → **Change PIN**)
3. When done, the PIN screen disappear.

The message "**All the settings will return to factory defaults.**" appears.

4. Select **Yes**. All settings are reset. The TV will turn off and on again automatically. The **Setup** screen appears. For more information about **Setup**, see the paper user manual.

- **Troubleshooting**

If your TV seems to be having a problem, access the troubleshooting guide for a solution.

Software Update

Menu → Support → Software Update

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

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

Upgrading to the Latest Version

You can upgrade in four ways:

- **By USB**
- **Online**

- **Alternative Software**
- **Standby Mode Upgrade**

The four 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 software 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 using By USB, follow these steps:

- 1. Visit www.samsung.com.**
- 2. Click Support at the top of the page.**
- 3. On the Support page, enter your model number in the Find Your**

Product field, and then press Enter or click Find Product.

4. Under Downloads on the left side, click Get downloads. The Download Center screen appears.
5. Click Firmware on the left side of the page.
6. On the Firmware tab, click the file icon on the right, and then click Save File on the pop-up that appears.
7. Extracts the exe archive to your

computer. You should have a single folder with the same name as the exe file.

8. Copy the folder to a USB flash drive.

9. Turn on the TV, and then insert the USB flash drive into the USB port of the TV.

10. In the TV's menu, go to **Support** → **Software Update**.

11. Select **By USB**.

 Please be careful not to remove

the USB drive until the upgrade is complete.

- **Online**

The **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 **Online**, you must have configured your TV to connect to your network and the TV must be connected to the Internet. See the "Setting up the Wired or

Wireless Network" instructions.

To upgrade using Online, follow these steps:

1. Select **Online**. 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 screen appears

with three choices: **Upgrade Now**, **Upgrade Later**, or **Don't Upgrade**.

- If you select **Upgrade Now**, the TV upgrades the software, turns off, and then turns on automatically.
- 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.

– If you select **Don't Upgrade**, the TV cancels the upgrade.

- **Alternative Software**

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** in the next section).

To upgrade using 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**.
3. The TV displays a message asking if you want to upgrade. Select **Yes**. The TV begins the upgrade.
4. When the upgrade is complete, the TV turns off automatically, and then

turns on.

- **Standby Mode Upgrade**

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. Select **Standby Mode Upgrade**.
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

Menu → Support → 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.

Remote Management

Menu → Support → Remote Management

Remote Management lets our Call Center access and control your Samsung product remotely to troubleshoot a problem. Use Remote Management only when you have a problem, and contact our Call Center first, before you activate Remote Management.

You can find the current number of our Call Center on the Support page at www.samsung.com under Contact

support.

Smart Hub

Menu → Support → Smart Hub

Smart Hub lets you connect to the Internet and enjoy a variety of Internet and multimedia contents. For more information on how to use Smart Hub, see “**Smart Hub**” in the e-Manual.

Using the 3D function

for LED 6500 – 7150 Series and PDP TV

3D

Menu → Picture → 3D

This exciting new feature enables you to view 3D content. To fully enjoy this feature, you need a pair of Samsung 3D Active Glasses to view 3D video.

**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 around. If you use the 3D function or 3D Active Glasses while walking or moving around you can injure yourself by running into objects, tripping, 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.

 **Off** : Turns the 3D function off.

 **2D→3D** : Changes a 2D image to 3D.

 **Two side-by-side images** : Displays two images next to each other.

 **Two stacked images** : Displays one image above another.

 The **3D Mode** may differ depending on the input signal.

 Some file formats may not support



- **3D Perspective**

Adjusts the overall 3D perspective of the on-screen image.

- **Depth**

Adjusts the overall depth.

- **L/R Change**


Swaps the left and right pictures.

- 3D Optimize **for LED TV**

Automatically adjusts the picture overall to provide an optimal 3D effect.

3D - Supported resolutions (16:9 only)

HDMI

3D Format	Resolution	Frequency (Hz)
	1280 x 720p	59.94 / 60 Hz
	1920 x 1080i	59.94 / 60 Hz
	1920 x 1080p	23.98 / 24 / 29.97 / 30 / 59.94 / 60 Hz
Frame Packing	1280 x 720p	59.94 / 60 Hz
	1920 x 1080i	59.94 / 60 Hz
	1920 x 1080p	23.98 / 24 / 29.97 / 30 Hz


Component

Resolution	Frequency (Hz)
1280 x 720p	59.94 / 60 Hz
1920 x 1080i	59.94 / 60 Hz
1920 x 1080p	23.98 / 24 / 29.97 / 30 / 59.94 / 60 Hz

DTV

Resolution	Frequency (Hz)
1280 x 720p	59.94 / 60 Hz
1920 x 1080i	59.94 / 60 Hz

Videos / Photos (In AllShare Play)

 Refer to "Supported Subtitle and AllShare Play file formats" in the Other Information section.


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. Go to the **3D** screen. (**Picture** → **3D**)
2. Select the **3D Mode**. The **3D Mode** screen appears.
3. Select the **3D Mode** option for the

image you want to view. The screen goes blank for a moment, and then reappears in the 3D mode you selected.

- ☑ You can also access the 3D mode by pressing the  button on your remote.

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

- ◆ The **3D Mode** is set to **Off**

automatically when you access **Smart Hub** function.

- ◆ The **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 IR type 3D products and 3D glass from 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 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.

- ◆ Be sure to stay within the viewing angle and optimum 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.

Smart Hub

[Menu](#) → [Support](#) → [Smart Hub](#)

Using [Smart Hub](#), you can stream movies, videos, and music from the Internet, access various for pay or free-of-charge applications and view them on your TV.

Application content includes news, sports, weather forecasts, stock market quotes, maps, photos, and games.

 You can also start this function by

pressing the  button on the remote control.

Notice

- ◆ Samsung Electronics takes no legal responsibility for any interruption of the Smart Hub service caused by the service provider for any reason.
- ◆ Application services may be provided in English only and the contents available may vary, depending on your area.


- ◆ For more information about a Smart Hub service, visit the web site of the applicable service provider.
- ◆ The Smart Hub service downloads and processes data via the Internet so that you can enjoy the Internet contents on your TV screen. If the Internet connection is unstable, the service may be delayed or interrupted. Furthermore, the TV may turn off automatically in response


to conditions on the Internet. If this occurs, check the Internet connection and try again.

- ◆ The services provided are subject to change by the Smart Hub service provider without notice.
- ◆ The Smart Hub service contents may differ depending on the TV's firmware version.
- ◆ For-pay DivX contents with copy protection can only be played


through a composite, component, or HDMI cable.

To start Smart Hub for the first time, follow these steps:

1. Press the  button.
2. The **Smart Hub** screen appears. In a few cases, the **Country** screen appears immediately after.
3. If the **Country** screen has appeared, select your country using your remote.

 Some applications are available only in certain countries.

4. The **General Disclaimer** screen appears. Select **Agree**.

 Screens can take a few seconds to appear.


5. The Samsung Service **Privacy Policy** screen appears. Select **Agree**.


6. The Update Pop-up appears. Select **OK**.

7. The **Service Update** screen appears

and installs a number of services and applications. When done, it closes.

The **Smart Hub** screen displays the downloaded applications and services. This may take some time.

 **Smart Hub** may close momentarily during the installation process.

 A number of screens may appear after installation. You can close them or let them close on their own.

8. To start an application, select an application using your remote.

Using the Keypads and Keyboards

A number of Smart Hub applications display a numeric keypad or a QWERTY keyboard so you can enter account names, passwords, and other data.

In most applications, you can toggle between the numeric keypad and the QWERTY keyboard by selecting the **B** button.

Using the Numeric Keypad

When the keypad is displayed, you can use your remote to enter letters in lower or upper case, numbers, punctuation, and symbols.

There are two ways to enter characters, in the ABC mode and in the XT9 mode.

Method 1: Using the keypad in ABC mode.

Example: Inputting “105Chang”.

1. Select the - key three times using

your remote to change the input mode from lower case to numbers.

3. Select **1**, **0**, and **5** in numerical order on your remote.

4. Select the **-** key three times using your remote to change the input mode from numbers to upper case.

5. Select **2** three times using your remote to input C.

6. Select the **-** key three times using your remote to change the input

mode from upper case to lower case.

7. Input the rest of “Chang” using your remote in the same way. When done, select **OK**.

Method 2: Using the Keypad in XT9 mode.

To change to XT9 mode, follow these steps:

- A. With the Numerical keypad displayed, open the **Tools** menu using your remote.

B. On the **Tools** menu, select **XT9 Text Input**.


C. Select **On**, and then select **OK**.

Example: Inputting “105Chang”.

1. Select the **-** key three times using your remote to change the input mode from lower case to numbers.
3. Select **1**, **0**, and **5** in numerical order on your remote.
4. Select the **-** key three times using your remote to change the input

mode from numbers to capitalized case.

5. Select in sequence: **2, 4, 2, 6, 4**. A thin ribbon appears at the top of the screen displaying a list of words you can enter. Select “Chang” from the list by selecting **D** using your remote.

 If “Chang” is not displayed in the list, select **+** to create your own dictionary. Add your own word to


your dictionary.



Using the QWERTY Keypad


If you have a USB or Bluetooth **for LED** **6500 Series and above, PDP TV** keyboard attached to the TV, and the screen is displaying the QWERTY keyboard, you can use the attached keyboard just like a regular keyboard. Type a character and the character appears on the screen.

If you don't have a USB or Bluetooth

keyboard attached and the QWERTY keyboard is displayed, use your remote to highlight and then select letters, numbers, and symbols on the keyboard one at a time.

 Select the **Caps** or **Shift** button to display Capital letters. Select again to re-display lower case.

 Select the 1  button to display symbols and icons. Select again to re-display letters.

 If **XT9 Text Input** is **On**, words will appear in a ribbon at the top of the page. Select the **D** button to select a word in the ribbon.

Using the colored and function buttons with the QWERTY Keypad

- **A** Delete All

Deletes all inputted characters.

- **B** Numeric / QWERTY

Toggles the keypad mode between

Numeric keypad mode and **QWERTY**

mode.

- ☞ When the keypad is set to **QWERTY** mode, you can input characters using a USB or Bluetooth keyboard connected to the TV.

-  **Settings**

Displays the options menu.

Input Language: Select an input language.

XT9 Text Input: Turns the XT9 word

function on or off. Available in both Numeric Keypad and QWERTY mode when you use the remote or a mouse to select and enter characters.

-  Enter


Enter the selected character.

-  Return

Return to the previous menu.


-  Prev Page

Display the previous set of symbols/ icons.

 Available only when the keypad screen is in symbol/icon mode(★).

-  **Next Page**

Display the next set of symbols/ icons.

 Available only when the keypad screen is in symbol/icon mode(★).

Creating an Account

To establish your own, exclusive configuration of Smart Hub, create your own Samsung account.

- ☞ You must use an e-mail address as an ID.
- ☞ You can register up to 10 User Accounts.
- ☞ You do not need an account to use **Smart Hub**.


To create an account, follow these steps:

1. On the **Smart Hub** screen, select **A** using your remote. The **Login** screen appears.

2. Select **Create Account** using your remote. The **Create Account** screen appears.

3. Select **Samsung Account**. An entry screen and keypad appear.

4. Use the keypad to enter your e-mail address. This will serve as your ID.

 If you have a Bluetooth or USB keyboard attached to the TV, use the keyboard to enter the e-mail address. Then, in Steps 6 through 10, use


the keyboard to enter the required password. Note that after you type in the e-mail address and password, you will need to use your remote to continue.

5. When done, select **OK**. The **Login** screen reappears.

6. Select **Password**. The **Password** screen and a keypad appear.

7. Use the keypad to enter a password. The password can be any

combination of letters, numbers, and symbols.

 Select **A** using your remote to display or hide the password as you enter it.

8. When done, select **OK**.

9. Select **Confirm password**. The **Password** screen and a keypad reappear.


10. Repeat Steps 7 and 8.

11. When done, select **Create Account**.

The Confirmation window appears.


12. Select **OK**. The Continue to register service ID window appears.

13. Select **OK**.

 If you don't have existing provider accounts or do not want to register existing accounts at this time, select **Cancel**. You can also let the window close on its own in about a minute.

14. The **Register Service Account**

window appears.

 If you have existing accounts with any of the listed providers, you can associate the provider account and the provider account password with your Samsung account. Registration makes it easier to access the providers web site. For registration instructions, go to Step 2 in [Account Manager](#) under [Settings](#) in the “Configuring


Smart Hub with the Settings
Menu” section of this manual.

Customizing the Home Screen

- **A** Login / Logout

To log in to your Samsung account, follow these steps:



1. With the **Smart Hub** main screen displayed on your TV, select **A** using your remote. The **Login** screen appears.
2. Select the next to the **Samsung Account** entry field. A drop down list appears.


 If you want to input your Samsung Account name manually, select the Samsung Account entry field. A keypad screen appears. Input your Samsung Account manually. When done, go to Step 4.

3. Select your ID from the list that appears. The [Login](#) screen re-appears.

4. Select [Password](#). The [Password](#) window and a keypad appears.

5. Enter your password using your remote. When done, select **OK**.

 If you want **Smart Hub** to enter your password automatically, select **Remember my password** after you have entered your password. A  mark appears. **Smart Hub** will now enter your password automatically when you select or enter your ID.

 If you forget your Samsung account password, you can reset it. Select **B**

using your remote. A popup message appears. Select **OK**. Smart Hub will send a written guide to your e-mail address that explains how to reset your password.


- **B** **WallPaper**

You can change the background image on the Smart Hub home screen.


- **C** **Account Manager**

Lets you register your service provider accounts, delete or deactivate

your Samsung account. For more information about [Account Manager](#), see "Configuring Smart Hub with the Settings Menu" in this section.

 Available only when you have logged in to [Smart Hub](#).

Using the Tools menu with Smart Hub

 Depending on the icons and folders displayed on the [Smart Hub](#) screen, some of the functions listed below may not appear.

- **Login / Logout**

Log in to or log out of your Samsung account.

- **WallPaper**

You can change the background image on the Smart Hub home screen.

- **Move**

The **Move** function lets you change the screen position of an application or a folder.

To use the Move function, follow these

steps:

1. Select an application icon or a folder, and then open the **Tools** menu using your remote.
2. Select **Move**. A position change screen appears.
3. Move the icon using your remote. When the icon is in the position of your choice, select the icon. The application icon moves to its new location.

- **New Folder**

The **New Folder** function lets you create and name new folders. You can move applications into the folders you have created.

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

1. Open the **Tools** menu using your remote.
2. Select **New Folder** in the menu. The **New Folder** pop-up and a keyboard

screen appears.

3. Using the keyboard and your remote, enter a name for the folder.

4. When done, select **OK** at the bottom of the screen. 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. Select an application, and then open the **Tools** menu using your remote.
2. Select **Move to Folder**. The **Move to Folder** window opens.
3. Select a folder using your remote. A move finished message appears. Select **OK**. The message window closes. The application has been moved to the folder.

 If you select an application in a

folder, you can use the **Move to Folder** to move the application to the **Smart Hub** screen.

To access an application in a Folder

1. On the **Smart Hub** screen, select a folder. The folder opens.
2. Select an application you want to execute. The application service starts.

- **Delete**

The **Delete** function lets you delete

applications from **Smart Hub**.

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

1. Select an application, and then open the **Tools** menu using your remote.
 2. Select **Delete**. The message **Do you want to delete selected item(s)?** appears.
 3. Select **OK**. The application is deleted.
- **Rename Folder**

The **Rename Folder** function lets you

rename folders.


To use the Rename Folder function, follow these steps:

1. Select a folder, and then open the **Tools** menu using your remote.
2. Select **Rename Folder**. The **Rename Folder** window and a keypad screen appears.
3. Enter a new name using your remote or edit the old name.
4. When done, select **OK**. The **Rename**

Folder window closes and the new or revised name appears below the folder.

- **Lock**

The **Lock** function lets you lock some applications in **Smart Hub** so they cannot be opened without entering your security PIN.

 Depending on the application, this function may not be supported.


To use the Lock function, follow these

steps:

1. Select an application, and then open the **Tools** menu using your remote.
2. Select **Lock**. The Security window appears.
3. Enter your security PIN using the remote. If you have not created a PIN, enter “0-0-0-0”.
4. A confirmation message screen appears. Select **OK**. The message screen closes and a lock symbol

appears to left of the application.

- **Unlock**

 Depending on the application, this function may not be supported.

To use the Unlock function, follow these steps:

- 1. Select a locked application, and then open the **Tools** menu using your remote.**
- 2. Select **Unlock**. The Security window appears.**

3. Enter your security PIN using the remote. If you have not created a PIN, enter “0-0-0-0”.
4. A confirmation message screen appears. Select **OK**. The message screen closes and the lock symbol to left of the application disappears.

- **Information**

You can view detailed information about the selected application.

 Depending on the application,

you can also lock or unlock the application on the **Detailed Information** screen.

Configuring Smart Hub with the Settings Menu

The **Settings** menu gives you access to the **Account Manager**, **Service Manager**, **Reset**, and **About Smart Hub** functions.

To use these functions, you must be logged into your Samsung Smart Hub account.

To access the Settings menu, and then select a menu item, follow these steps:

1. Open the **Tools** menu using your remote.
 2. Select **Settings**. The **Settings** window appears.
 3. Select a menu item using your remote.
- **Account Manager**

The **Account Manager** menu contains functions that let you register your

service provider accounts, and delete or deactivate your Samsung account.

Link to other accounts: If you have existing accounts with any of the providers listed by the **Link to other accounts** function, you can associate the provider account and the provider account password with your Samsung account. If you associate the account, you will be able to log onto the account through Smart Hub easily,


without entering your account name or password.

- ☑ Before you register an account you have with a provider, you must install the provider's application in [Smart Hub](#).

To use the [Link to other accounts](#) function, follow these steps:

1. In the [Account Manager](#) menu, select [Link to other accounts](#). The [Link to other accounts](#) window appears.

2. Select an application you want to associate with your Samsung account.
3. In the pop-up that appears, select [Register](#).
4. In the [Link to other accounts](#) entry screen, enter your site ID and password using your remote. When done, select [OK](#).

 This is the ID and password you normally use to access your

account on this application.

5. If you have entered the ID and password correctly, the **Registered successfully.** message appears.
6. If want to add another service application, repeat Steps 2 through 4 to associate another service application.
7. When done, select **OK.**


Remove from TV Account List: Cancels


all the currently registered Service Accounts that appear on the [Register Service Account](#) screen.

[Deactivate Account](#): Deactivates your [Samsung Account](#) and deletes it and all your account settings entirely from [Smart Hub](#).

- [Service Manager](#)

[Auto Ticker](#): You can set [Auto Ticker](#) to come on when the TV powers.

 The Ticker application provides useful News, Weather, and Stock Market information. Before you can set **Auto Ticker** on, you must download the Ticker application into **Smart Hub**.

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

Push Notification Settings: When on, Push Notification displays a notification

message when an event takes place in an application installed on [Smart Hub](#). The TV will display the notification message and allow you to view details of the event even while you are viewing TV.

- [Reset](#)

The [Reset](#) function initializes all downloaded applications, erases all user accounts and settings from the TV, 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 **Settings** menu, select **Reset**.

The **Reset** screen appears.

2. Enter your security PIN using your remote.

-  The default password set is “0-0-0-0.”
-  If you forget the PIN code, press the remote control buttons in the following sequence in Standby mode: **MUTE**  → **8** → **2** → **4** →  (Power on). This resets the PIN to “0-0-0-0”

3. After a few moments, [Smart Hub](#)

automatically resets. The screen may go black, then **Smart Hub** reappears. In a few moments, it starts the reinitialization procedure.

4. To complete the re-initialization, go to Step 2 in "To start Smart Hub for the first time, follow these steps:" section of this manual.

- **About Smart Hub**

The **About Smart Hub** menu contains functions that display information

about Smart Hub.

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

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

Using Samsung Apps

Samsung Apps

 → Samsung Apps

Samsung Apps is a store from which 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 and function buttons with Samsung Apps

- **A** Login / Logout

Log in to or log out of your Samsung account.

- **B** Filter by Price

To toggle the view between **All**, **Paid**, and **Free**.

- **C** Sort

To sort the applications by **Recommended**, **Name**, **Date**, or

Downloaded.

 You can sort all categories except

Most Popular.

- **D View Mode**

Each time you select **D** using your remote, the **View Mode** toggles between basic mode and thumbnail mode.

-  **Previous**

Move to previous page.

-  **Next**

Move to next page.

-  **Tools**

Displays the option menu.

-  **Return**

Moves to previous menu.

Using Samsung Apps by category

The following categories are available:

- **What's New?**

User can easily find newly (the latest) registered applications.

- **Most Popular**

Displays the most popular applications for users.

- **Videos**

Includes apps that provide video media such as movies, TV shows, and short length videos.

- **Games**

Includes various game apps such as sudoku and chess.

- **Sports**

Includes 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.

- **Education**

Includes apps that provide educational content such as story books, dictionary, VOD (Video on Demand) for kids etc.

- **My Apps**

My Apps provides information about your available App cash coupon and information about the apps you have already purchased or installed on your TV.

 You can purchase App cash that you can use to buy applications through tv.samsungapps.com.


- [Help](#)


If you have questions about [Samsung Apps](#), check this section first.

To search for an application in [Samsung Apps](#), follow these steps:

1. On the [Samsung Apps](#) screen, select [Search Samsung Apps](#). The [Search](#) window and keyboard appears.

2. Enter a keyword using your remote.
The keyword should be part of the name of an application. For example, enter f-a-c-e to search for Facebook.
3. When done, select **OK** at the bottom of the keyboard.
4. Wait until the search result screen displays. After Samsung Apps displays the results, you can select an application you want in the search result screen.

 You can use a keyword in the search history If you have searched using that keyword before.

 If you have a keyboard and/or a mouse connected to your TV, you can use the mouse to select the Search Samsung Apps field and the keyboard to type in the keyword.

Search


 → Search

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

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

1. On the [Smart Hub](#) screen, select [Search](#) at the top of the screen or press the **SEARCH** button on your remote.

2. If you want to input a search term directly, select the **Enter search keyword**. entry field. A keypad screen appears. Enter the search term using your remote.

 If you want to search by category, select a category below the field using your remote.

Using the Search function by category

- **Your Video**

Personalize your movie-watching with

a customized video on demand (VOD) recommendation service.

- **Most Searched**

You can search 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 applications and services in the application list. The application list displays apps that users

download frequently.

- **Search History**

You can find a keyword in the search history list if you have searched using that keyword before.

Using the colored and function buttons with Search

- ** Refresh**

Refresh the **Search** function.

- ** Tools**

You can set general parameters for the

Search function or delete the search history.

- **↶ Return**

Return to the previous menu.

Using the Tools menu with Search

- **General Settings**

Keyword Recommendation: Turns the Keyword Recommendation function on or off.


Search Scope: Sets a search scope.

The default is to use all the applications

listed on the Scope page.

To customize a search scope, follow these steps:

1. On the **Search** screen, open the **Tools** menu using your remote.
2. Select **General Settings**.
3. Select an application in the **Search Scope**. The ✓ mark disappears from the check box on its left.

 When you remove the ✓ mark, you remove that application from


the search scope. Only checked applications are included.

4. When done, press the **RETURN**  button.

- **Search History**

Lets you delete previously used keywords from the the search history list. Also, If you select **Delete All**, you can delete all your search history.

To delete a search history keyword, follow these steps:

1. On the **Search** screen, open the **Tools** menu using your remote.
2. Select **Search History**.
3. Select a keyword in the Keyword list.
4. Press  on the remote. The keyword disappears from the list.

Your Video

 → Your Video

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

Using this service from [Smart Hub](#), you can get video recommendation, search for movies from multiple providers, and stream or purchase movies. To stream or purchase movies, you must have the vendors app installed in [Smart Hub](#).

Depending on the vendor, you may also


need a vendor account.

Using the Your Video Search Tab

1. On the **Smart Hub** screen, select **Your Video**.
2. If this is the first time you have accessed **Your Video**, the Privacy Notice appears. Read the notice, and then select **Agree**.
3. When the **Your Video** screen appears, it displays a list of recommended movies with Recommended at the


top of the screen highlighted. Move the highlight from the top of the screen down to the first movie, and then scroll the movies to the right to view all the movies in the list.

4. To see additional lists of movies, move the highlight back to the top of the screen. You can select - in addition to [Recommended](#) - [New Releases](#), [Top 20 Movies](#), [Top 20 TV Shows](#), and [From Friends](#).

5. To select a movie, highlight it, and then press the  button on the remote. The movie's Data screen appears. On this screen you can view [Basic Information](#), [Director/Cast](#), [Photos](#), [Awards](#), and [Related Movies](#).

6. To watch the movie, select [Watch](#). A list of online vendors that have the movie available for rent or purchase appears. Renting usually means you can stream the movie for a certain


number of hours or days.

 To go to a vendor's web site, you must have that vendor's app installed in **Smart Hub**. To install apps, access Samsung Apps on the main **Smart Hub** screen.

7. You can search for a particular movie. To search, select **C** with your remote. The Search Entry screen and a keyboard appear.

8. Enter the name of the movie into

the Search field. As you enter characters, the Search function will display suggestions below. You can either continue entering characters, or, if your movie appears, move the highlight down and select it. The movie's Data screen appears (See Steps 5 and 6).

 If you are entering using a keyboard, you can either press Enter or you can move the

highlight down using the down arrow key.

Using the Function and Colored Buttons on the Search Tab

- **A** Login / Logout

To log in to your Smart Hub account or log out.

- **C** Search

To search for movies or videos (Steps 7 and 8 on the previous page).

-  My Page

Displays your My Video Bookmarks, [Likes/Shares](#) (if you have a Facebook or Twitter account registered in Smart Hub), and lets you establish certain [Preferences](#).

-  [Return](#)

Return to the previous menu.

Using Function and Colored Buttons on a Movie's Data Page

-  [Login / Logout](#)

To log in to your Smart Hub account or log out.

- **B** [Bookmark / Unbookmark](#)

To bookmark a movie or video or to remove the bookmark. When you bookmark, Bookmark appears on the left side of the screen. Bookmarked movies or videos are listed on My Page.

- **C** [Search](#)

To search for movies or videos (Steps

7 and 8 above).

-  Home

To go to the My Video Home screen.

-  My Page

Displays your My Video Bookmarks, Likes/Shares (if you have a Facebook or Twitter account registered in Smart Hub), and lets you establish certain Preferences.

-  Return

Return to the previous page or menu.

Using the Your Video Genre Tab

When you start **Your Video**, the **Your Video** screen displays the **Search** tab. You can also display the **Genres** tab which sorts movies and videos by genre.

1. On the **Your Video Search** tab, move the highlight to the bottom of the screen, and then select **Genres**. The **Genres** tab appears.

2. On the **Genres** tab, select either **Movies** or **TV Show** on the left side of the screen
3. On the right side of the screen, select the genre (Action/adventure, Animated, etc.). Your Video displays the Genre Movie or TV Show List screen with the movies or TV shows in the genre you selected.
4. Highlight a movie or TV show and then select it. The Data screen for

that movie or TV show appears.

Using the Function and Colored Buttons on a Genre Movie or TV Show List Screen

- **A** Login / Logout

To log in to your Smart Hub account or log out.

- **B** Genre

To re-display the **Genres** tab.

- **C** Search

To search for movies or videos.

-  **Sort**

To sort movies or videos by **Ratings**, **Year**, or **Title**.



-  **My Page**

Displays your My Video Bookmarks, **Likes/Shares** (if you have a Facebook or Twitter account registered in Smart Hub), and lets you establish certain **Preferences**.

-  **Return**

Return to the previous page or menu.

Using My Page

My Page displays your My Video Bookmarks, **Likes/Shares** (if you have a Facebook or Twitter account registered in Smart Hub), and lets you establish certain **Preferences**. When the  **My Page** icon is displayed at the bottom of a screen, select  **Tools**. **My Page** appears displaying your bookmarked movies and videos. Select

a bookmarked movie or video, access your [Likes/Shares](#), or view or change your [Preferences](#).

Using the Function and Colored Buttons on the My Video Screen

- **A** [Login / Logout](#)

To log in to your Smart Hub account or log out.

- **C** [Search](#)

To search for movies or videos.

-  Home

To go to the My Video Home screen.

-  Return

Return to the previous page or menu.

Family Story

 → Family Story

Family Story allows you to share photos, messages, and events with your family.

- **Create Group**

If you are starting **Family Story** for the first time, you can create a family group and invite members to join.


- **Invite Members**

After creating a group, you can invite

the family members who you want to share your family's photos and events with to join.

- [Join Group](#)

If you were invited to join a family group by a family member, you can select [Join Group](#) to enjoy [Family Story](#) services.

 You must be logged into your [Smart Hub](#) account to create a family group, access your group, or use [Family Story](#).

To create a family group, follow these steps:


1. On the **Smart Hub** screen, select **Family Story**. The **Family Story** screen appears.
2. Select **Create Group**. The **Create and Invite** pop-up appears.
3. Select **OK**. The **Family Story** agreement appears. Read the agreement, and then select **Agree**.




You must agree with the terms

prior to using **Family Story**.

4. Enter a **Group Name**, **Your Name**, and **Your Phone Number** without dashes using your remote.

 If you want to add a group image, select an image box. (An external device containing photos must be connected to your TV via USB.)

 * Fields marked with an asterisk are required.

5. When done, select **Done**. The group

creation is complete.

- ☞ If you want to invite members to your group, select [Invite Members](#). If you want to go your Family Story, select [Go to Family Story](#). If you selected Invite Members, go to Step 4 in the procedure below.

To invite members to your Family Story group, follow these steps:

1. From the starting menu in [Family Story](#), open the [Tools](#) menu using

your remote, and then select **Group Members**. The **Group Members** screen appears.

2. Select **Invite Members**. The Invite pop-up appears.

3. Select **OK**. The Invite Members screen appears.

4. Select **Select to enter message..**. The keypad screen appears.

5. Enter a message using your remote. When finished, select **OK** on the

bottom of the keyboard, and then select **Done**.

6. Select **Phone number or Samsung account ID**. The keypad screen reappears.
7. Enter the prospective member's phone number or Samsung account ID using your remote. When finished, select **OK** on the bottom of the keyboard, and then, select **Done**.



If you want to add more

prospective members, select **Add member**, and repeat Steps 4 through 7.

- 8.** When finished adding members, select **Done**. The Member Invitation Completed screen appears.
- 9.** If invited by phone number, a 4-digit invite code will be generated. You need to share the code with the prospective member. If the prospective member will be notified

about the invitation via e-mail. Select **OK** to finish.

To join a group using the received invite code, follow these steps:

1. Start **Family Story** and accept the terms.
2. You will see a pop-up message asking about invitation type. If you were invited by phone number, please select **Invite Code**. If you were invited by Samsung account, please

select **Samsung Account**.

3. If joining by **Samsung Account**, a list of invitations from your family groups will be displayed. Select **Accept** to join. You can select **Deny** if you don't want to join the inviting group.

4. If joining by **Invite Code**, first enter your phone number using your remote. When done, select **Done**. Then you will see a list of invitations

from your family groups. Select **Accept** to join. You can select **Deny** if you don't want to join the inviting group. Enter the 4-digit invite code shared by your family member, and then select **Done** to finish.

5. Select **OK**. The process is complete.

Creating an Album

You can upload pictures from a USB device and create a picture album

which other group members can view and add to.

To create a picture album, follow these steps:


1. Attach a USB device to your TV containing the pictures you want to upload to the picture album.
2. Log into your Smart Hub account, and then start [Family Story](#).
3. Highlight and select the "create album" display on the left side of

the Family Story screen or select **B** using your remote. The **Create** screen appears.



4. Highlight and select **Add** on the **Album** tab. The File Browser screen appears.
5. Highlight and select the USB device. The device opens, displaying either folders or picture files.
6. If picture files are displayed, highlight and select each file you

want to upload. A check appears on each file.

7. If folders are displayed, highlight and select the folder that contains the pictures you want to upload. Then, select each file you want to upload. A check appears on each file.

 You can highlight and select the **Select All** button on the right side if you want to select all displayed pictures.

8 When finished, highlight and select the **OK** button on the right side. The **Create** screen re-appears displaying some or all the photos you want to upload.

 To delete a photo from the upload queue, select  **Tools**. In the **Tools** menu, select **Delete Photos**. Either highlight and select individual photos or select **Delete All**. When done, select the **Delete**

button on the bottom of the page.
A pop-up appears asking whether you want to delete the photos.
Select **Yes**.

9. Highlight and select the **Done** button on the bottom of the screen. The photos are uploaded, and then the **Story of the Day** screen appears, displaying the photos.

10. Select **↩ Return**. The **Cover Story** (Main Family Story) screen appears

displaying the photos.


- ☞ The **Cover Story** screen runs a continuous slide show of photos you uploaded. It also displays some of the photos on a "shelf" below the slide show area.

Deleting a Picture

To delete a picture, follow these steps:


1. On the **Cover Story** screen, highlight and select the strip of photos on the

bottom left. The **Story of the Day** screen appears.

2. Highlight and select the photo you want to delete.
3. Select  **Tools**.
4. In the **Tools** menu, select **Delete**. A message appears asking if you want to delete the photo.
5. Select **OK**. The picture is deleted.

The Edit function lets you add a memo to a picture or add the picture to an event.

To edit a picture, follow these steps:

1. On the **Cover Story** screen, highlight and select the strip of photos on the bottom left. The **Story of the Day** screen appears.
2. Highlight and select the photo you want to edit.
3. Select  **Tools**.

4. In the **Tools** menu, select **Edit**. The **Edit** screen appears.
5. To add a memo, highlight and select the "enter Memo" field. The Enter Memo screen and keyboard appear.
6. To add the picture to an event, highlight and select **Find event**. The **Event List** screen appears. Use the left and right arrow buttons to change the month. Use the up and down arrow buttons to select an

event. Press  when done.

7. After you have added a memo or added the photo to an event, highlight and select **Done** on the bottom of the screen.

Creating a Memo

You can create a memo that all group members can see.


To create a memo, follow these steps:

- 1 Log into your Smart Hub account,

and then start **Family Story**.

2. Highlight and select the "create memo" display on the right side of the Family Story screen or select **B** using your remote. The **Create** screen appears.
3. On the Memo tab, highlight and select the "enter Memo" area. The Enter memo screen and keyboard appear.
4. Use your remote to highlight and

select letters. If you have a USB or Bluetooth keyboard attached to the TV, use the Keyboard to type in letters.

5. When done, select **OK** on the on-screen keyboard or press  on the remote. If you are using a physical keyboard, press the Enter key on the key board. The **Create** screen reappears displaying the memo.


 To edit the memo, highlight and

select the "enter Memo' area again. The Enter memo screen and key board re-appear.

6. Highlight and select the **Done** button on the bottom of the screen. The **Story of the Day** screen appears displaying the memo.
7. Select ↶ **Return** to go back to the main **Family Story** screen.

Deleting a Memo


To delete a memo, follow these steps:


1. On the **Cover Story** screen, highlight and select the memos on the right side of the screen. The **Story of the Day** screen appears.
2. Highlight and select the memo you want to delete.
3. Select  **Tools**.
4. In the **Tools** menu, select **Delete**. A message appears asking if you want to delete the memo.

5. Select **OK**. The memo is deleted.

Editing a Memo

To edit a memo, follow these steps:

1. On the **Cover Story** screen, highlight and select the memos on the right side of the screen. The **Story of the Day** screen appears.
2. Highlight and select the memo you want to edit.
3. Select  **Tools**.

4. In the **Tools** menu, select **Edit**. The **Edit** screen appears.
5. Highlight and select the **Edit** field. The Memo screen and keyboard appears. Edit the memo, and then press  when done.
6. The **Edit** screen re-appears. Highlight and select **Done** on the bottom of the screen.


You can create a record of an event, such as a birthday party or a wedding, with pictures, that all group members can see. You can also create a record for a future event.

To create an event, follow these steps:

1. Attach a USB device containing the pictures of the event that you want to upload to your Family Story.
2. Log into your [Smart Hub](#) account, and then start [Family Story](#).

3. Highlight and select the "create event" display on the right side of the Family Story screen or select **B** using your remote. The **Create** screen appears.
4. On the **Event** tab, highlight and select the **Event Title** field. The **Event Title** screen and keyboard appear.
5. Use your remote to highlight and select letters. If you have a USB or Bluetooth keyboard attached to

the TV, use the keyboard to type in letters.


6. When done, select **OK** on the on-screen keyboard or press  on the remote. If you are using a physical keyboard, press Enter on the keyboard.
7. Highlight and select **Done** on the **Event Title** screen with your remote. The **Event** Tab reappears.
8. Use your remote to highlight and

select the enter description field.

The **Enter Description** screen and keyboard appear.

9. Enter a description of the event the same way you entered the **Event Title** in Step 5. When done, close the **Enter Description** screen the same way you closed the **Event Title** screen in Steps 6 and 7.


10. Highlight and select the **From** field. The **Time Setting** screen appears.

Use the up and down arrow buttons on your remote to change the values in each field. Use the left and right arrow buttons to move from field to field. Press  when done.

11. Highlight and select the **To** field. The **Time Setting** screen appears. Set the **To** time the same way you set the **From** time in Step 10.

12. To define the **Event Type**, highlight and select the **Change** button. The

Event Type list appears.

13. Use the up and down arrow buttons on your remote to select an event type. When done, press  on the remote. The **Event** Tab re-appears.

14. To add photos, highlight and select the **Add** button. The File Browser appears.

15. Highlight and select the USB device. The device opens, displaying either folders or picture files.

16. If picture files are displayed, highlight and select each file you want to upload. A check appears on each file.



17. If folders are displayed, highlight and select the folder that contains the pictures you want to upload. Then, select each file you want to upload. A check appears on each file.



Your can highlight and select the **Select All** button on the right side

if you want to select all displayed pictures.

18. When finished, highlight and select the **OK** button on the right side. The **Event** tab re-appears displaying some or all the photos you want to upload.

 To delete a photo from the upload queue, select  **Tools**. In the **Tools** menu, select **Delete Photos**. Either highlight and select

individual photos or select **Delete All**. When done, select the **Delete** button on the bottom of the page. A pop-up appears asking whether you want to delete the photos. Select **Yes**.

19. When done entering all information and selecting all photos, highlight and select the **Done** button at the bottom of the **Event** tab. Family Story uploads the photos you selected and


then displays the **Story of the Day** screen.

20. Select ↩ **Return** to go back to the main Family Story screen.

Deleting an Event

To delete an event, follow these steps:

1. On the **Cover Story** screen, highlight and select the events on the bottom right side of the screen. The **Story of the Day** screen appears.


2. Highlight and select the event you want to delete.
3. Select  **Tools**.
4. In the **Tools** menu, select **Delete**. A message appears asking if you want to delete the event.
5. Select **OK**. The memo is deleted.

Editing an Event

To edit an event, follow these steps:

1. On the **Cover Story** screen, highlight

and select the events on the bottom right side of the screen. The **Story of the Day** screen appears.

2. Highlight and select the event you want to edit.
3. Select  **Tools**.
4. In the **Tools** menu, select **Edit**. The **Edit** screen appears.
5. Edit the elements in the event in the same fashion you first entered them.
6. To remove a photo, highlight the

photo, and then Select  **Tools**.

7. In the **Tools** menu, select **Disconnect Photos**.

8. Highlight and select individual photos or highlight and select **Select All**.

9. Highlight and select **Delete**. A message appears asking if you want to delete the photos. Select **Yes**.

10. When finished editing, highlight and select **Done** at the bottom of the page.





Functions on the Cover Story (Main) Screen

On the **Cover Story** screen, you can launch a slide show, display individual pictures, view memos, and view events.

Launching a Slide Show

1. On the **Cover Story** screen, highlight and select the large Slide Show area. This is the portion of the screen that displays constantly changing pictures. The slide show starts. The

slide show controls are displayed momentarily, then disappear.

2. To stop or start the slide show and to re-display the controls, press  on your remote.
3. To view individual pictures, stop the slide show, and then press the left or right arrow button on your remote.
4. To change the speed of the slide show, select the  or  button.
5. To end the slide show, select 

Return.

Viewing Individual Pictures

1. On the **Cover Story** screen, highlight and select the strip of photos on the bottom right. The **Story of the Day** screen appears displaying the individual photos.
2. Highlight and select a photo. The individual photo is displayed.
 - To add a comment about the

photo, highlight and select the **Add Comment** button or select **B**. The **Add Comment** screen and keyboard appear.

- To watch a slide show that includes the picture, highlight and select the picture. The slide show begins.
- To watch a slide show together with another member of your group, select **C**. This function lets you and another member of your group watch

the same slide show on your own TVs, even if you are thousands of miles apart.

Viewing Individual Memos

1. On the **Cover Story** screen, highlight and select the memos displayed on the right side. The **Story of the Day** screen appears displaying the individual memos.
2. Highlight and select a memo. The

individual memo is displayed.

- To add a comment about the memo, highlight and select the **Add Comment** button or select **B**. The **Comment** screen and keyboard appear.

Viewing Individual Events

1. On the **Cover Story** screen, highlight and select the events displayed on the right side. The **Story of the**

Day screen appears displaying the individual events.

2. Highlight and select an event. The individual event is displayed.
 - To add a comment about the event, highlight and select the **Add Comment** button or select **B**. The **Comment** screen and keyboard appear.
 - To watch a slide show of the pictures saved in the event, highlight and

select the pictures at the bottom left of the screen. The slide show begins.

The Tools Menu Functions

The **Tools** menu appears on most of the Family Story screens. This section provides a run down of all the **Tools** menu functions by screen.

Tools Menu Functions on the Cover Story Screen

Group Members: Lists the current group

members and the current prospective members with invitations.

My groups: Lists the groups you are a member of. Also lets you access your groups.

Settings: Lets you edit your profile information and set whether your group will allow new content, new members, new invitations, and issue event reminders.

Logout: Logs you out of [Family Story](#)

and your Samsung account. Returns you to the **Smart Hub** screen.

Create: Takes you to the **Create** screen where you can create a photo album, memo, or event record.

Updates: Lets you know if there is an update for the Family Story application, and lets you download and install it.

Tools Menu Functions on the Story of the Day Screen

Filter: Lets you select what to view on the **Story of the Day** screen by category: All, Album, Memo, Event.

View by Member: Lets you view entries (Albums, Memos, Events) by member.

The rest of the functions - **Group Members, My groups, Settings, Logout,** and **Updates** - are the same functions as the **Cover Story** screen functions.

Other Functions on the Story of the

Day Screen

The **Story of the Day** screen also has a date filter function on the bottom of the screen.

Date Occurred / Date Uploaded: You can sort the items on the **Story of the Day** screen by **Date Occurred** or **Date Uploaded** by highlighting and then selecting the **Date Occurred/Date Uploaded** slider button.


You can also quickly move to the

month certain items occurred or were uploaded by selecting a highlighted number on the monthly number bar. You can also select a year, and then a month. When you select a month, **Family Story** displays the items that were uploaded or occurred in that month.


Fitness

 → Fitness

The **Fitness** application provided by Smart Hub lets you track and manage a fitness and exercise program you create.

 To use **Fitness**, you should be logged in to your Smart Hub account.

Read these notes before exercising...

 Please warm-up or stretch before exercising.

- ☞ Stop exercising immediately if you feel pain, or feel dizzy, exhausted, or short of breath.

Create Your Profile

When you start **Fitness** for the first time, you should create your own profile. On the **Fitness** screen, select **Create Your Profile**. A pop-up message appears. Select **Create Your Profile**. The Personal Trainer/Create Profile screen appears.

1. To go to next step, press the right arrow button on your remote. The Name pop-up appears.
2. Select **First Name**. The Username screen and keyboard appear. Enter your name. When done, Select **OK**.
3. Select **Last Name**. The Username screen and keyboard re- appear. Enter your last name. When done, Select **OK**.
4. Press the right arrow button on your

remote. The **Gender** pop-up appears.

5. Highlight and select your gender.

When you select your gender, you will see a black dot appear in your selection.

6. Press the right arrow button on your remote until the **Date pop-up appears.**

7. Enter your birth date using your remote. It will be used to personalize some parameters for you.

8. Press the right arrow button on your remote. The **Unit** pop-up appears.
9. Select your preferred units. The selected units will be applied throughout the Fitness app. Move to the right again. The **Height** pop-up appears.
10. Enter your height. This will be used to calculate your body mass index (BMI). Move to the right again. The **Weight** pop-up appears.

11. Enter your weight. This will be used to calculate your body mass index (BMI). Move to the right again. The application calculates your BMI.

12. The creation of your profile is finished. The TV displays your profile information and BMI. To start the Fitness app, select [Enjoy Fitness](#).

Using Fitness with categories

- [Exercise](#)

Provides information on your exercise

goal, current status and recommended contents.

- **Progress**

Provide information on your basic body profile, exercise progress, achievement of your goals, etc.

- **Edit**

Edit lets you change or adjust your fitness goals.

Fitness displays a number of exercise videos and programs you can use to help you reach your fitness goals. Each of these videos and programs must be downloaded from Samsung Apps. Videos labeled VOD (Video on Demand) are part of a group of free exercise videos. We suggest you download those first.

To download a VOD program or video, follow these steps;


1. On the **Fitness** screen, highlight and select a program. A message appears asking you if you want to go to Samsung apps.

2. Select **Yes**. The Samsung Apps screen appears.

 This may take a few minutes.

3. If this is the first time you have downloaded a VOD program or video, you will be directed to download the VOD video app that

lets you download and play all the VOD exercise videos.

4. Follow the directions on the screen to download the VOD video app.
5. After the video app has been downloaded, press **RETURN**  several times to go back to the Fitness screen.
6. You can now select and play any of the VOD videos.

 As you play these videos, Fitness

notes the video you are using and
calculates the number of calories
you have burned, based on the
video.





The Smart Hubs Kids app provides a quick app launcher and a recommended list of kids and education-related applications and contents your kids can start easily and quickly. It also provides management tools that let you control what your kids can view in the app and how long they can watch.

Using Kids with categories



- **Playground**

Displays recommended contents and applications. When you select an application or content, the TV starts the application or contents immediately.

 You can add up to 40 items to the recommended list. See "**My Choice**" in this section.

 You can edit the contents list. For more detailed information, refer to

"My Choice" in this section.

 Most of the contents must be downloaded from Samsung apps. To download, follow the directions on the screen. When the download is complete, press **RETURN**  repeatedly until the Kids app reappears. Start the contents or app by highlighting and then selecting it.

- **Sticker Book**

Displays the Sticker Books with the

stickers your kids received. Also, it can be shared with your [Family Story](#).

How your kids can receive the stickers

- **By User (parent):** You can present a sticker using the [Present Sticker](#) function in the [Parents](#) menu.
- **Automatically:** The Kids app presents a sticker while the child is watching content.

Creating a Sticker Book

1. To create a new [Sticker Book](#),

select **Sticker Book** on the top of the screen, and then **Create a New Sticker Book** at the bottom of the screen. The **Create a New Sticker Book** screen appears.


2. Enter the Sticker Book's name using your remote. When done, select **Next**.


3. Select a color for the Sticker Book. When done, select **Next**.

4. Check the created sticker book. If

you want to change a name, select **Edit**. If you want to change a color, select **Back**.

5. When done, select **Done**. A new Sticker Book is created.


 The maximum number of books you can create is 10.

 You can check arrived stickers by highlighting and selecting **Get New Stickers**. Only ten new sticker types are displayed in New Sticker at one

time.

- **Browse All**

Displays the kids or education-related applications list and all contents list.

 When you select an application or contents, if the application or contents has not been installed on the TV, the TV displays the corresponding download screen from [Samsung Apps](#).

To use Browse All, follow these steps:

1. On the **Browse All** screen, select a character. The contents for that character appears on the right.
2. Select the kind of contents you want.


Videos: Displays the video contents of the corresponding character.

Games: Displays the game contents of the corresponding character.

Stories: Displays the e-book contents of the corresponding character.

3. The detailed information screen for

the selected contents appears. You can play the contents, share the contents with your [Family Story](#), add the contents to [My Choice](#), and give the contents a rating.

 If you have purchased an item already or the item is free, you can play the contents. If you have not purchased it, you can download the contents from [Samsung Apps](#).

- **Parents**

Lets you edit the **Playground**, give stickers to your kids, check usage time, and set the watching limit alarm.


My Choice

You can add or delete contents in the **Playground**. The **Playground** displays the added contents only.

To add or delete contents in the **Playground**, follow these steps:

1. On the **Parents** screen, select **My**

Choice. The **My Choice** screen appears.

 **My Choice** contains content you added through the **Browse All** screen.

2. Select contents you want to add or delete in the list. A pop-up message appears.

3. Select **Yes**.

4. The selected contents is added or deleted.

Present Sticker


When your kids do a good job today, you can present a sticker to them.

To present a sticker to your kids, follow these steps:

1. On the **Parents** screen, select **Present Sticker**. The **Present Sticker** screen appears.
2. Select a sticker you want to present. A pop-up message appears.

3. Select **Yes**.

4. Select a sticker book you want to put the sticker into, and then select **Present**.

 If you want to check a sticker book, select **Check Now**. You can check the stickers in the selected sticker book.

5. The sticker is placed in the sticker book you selected.

History

Lets you check how long your kids have used the app through a graph. Also, lets you check how long your kids have used each video or content item. Change a date or content title using your remote.

Set Alarm

Lets you set how long your kids can watch. When the time is up, the alarm window appears.

To set the time your kids can watch,
follow these steps:

1. On the **Parents** screen, select **Set Alarm**. The **Set Alarm** screen appears.
2. Select **Timer**.
3. Select amount of time. The alarm is set.

Web Browser

 → Web Browser

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

Using this function provided by the **Smart Hub**, you can surf the Internet on your TV.

1. On the **Smart Hub** screen, select **Web Browser**. The **Web Browser** screen appears.
2. Surf the Internet in the same way as

on a PC.

Using the colored and function buttons with the Web Browser

- **B** Control Panel

Shows or hides the control panel at the top of the screen.

- **C** Link Browsing / Pointer Browsing

You can change the cursor to **Link**

Browsing mode or **Pointer Browsing**


mode. In **Pointer Browsing** mode, you

use a pointer to select items on the

screen in the same way you use a pointer on a computer. In **Link Browsing** mode, you move a blue rectangle from link to link on the screen by pressing the directional keys on your remote. **Pointer Browsing** is best if you have a mouse attached to the TV. **Link Browsing** only works if you are browsing using your remote.

 When you select **Pointer Browsing**, you cannot use the remote to select

items in the **Tools** Menu.

 In **Pointer Browsing** Mode, you can use the arrow keys on your remote to move the pointer.

- **D PIP**

Turns **PIP** on or off. With **PIP** on, you can watch TV while using the **Web Browser**.

-  **Tools**

Displays the **Tools** menu.

Control Panel: Shows or hides the

control panel in the top of the screen.

Link Browsing / Pointer Browsing: You can change the cursor to **Link Browsing** mode or **Pointer Browsing** mode.


PIP: Turns **PIP** on or off.

PIP Settings: Lets you select where the PIP window is displayed on the screen and which sound source the TV plays, sound from the main screen (the browser) or sound from the sub screen (the PIP window).

Add to Bookmark: Add the current page to your **Bookmarks**.

Enable Grabbing / Disable Grabbing:

You can move a current web page in the direction you choose. To move a web page, select a page, and then move it in the direction you want using your remote.

 Available only when the cursor is set to **Pointer Browsing**.

-   **Scroll up/down**

You can scroll the page up or down.

- ↶ Return

Close the [Web Browser](#).


Using the Control Panel with Web Browser

The [Web Browser](#) has a series of icons across the top of the screen which provide a number of useful functions.

With these icons, you can easily use the [Web Browser](#). The icons are described below, starting with the icon on the far left of the screen.


- **Back**

Moves to the previous web page.

 If there is no previous web page, this icon will not work.

- **Forward**

Moves to the next web page.

 If there is no next web page, this icon will not work.

- **Refresh / Stop**

Refreshes the current page or stops the current connection from loading.

- **Home Page**

Goes to the URL you specified as your the home page.

- **Zoom**

You can select a zoom level of **50%**, **75%**, **100%**, **125%**, **150%**, **200%**, **300%**, and **Fit to screen**.

- **Bookmarks**

Displays the **Bookmarks** screen. You can bookmark the current page or select a favorite page to visit from the

bookmark list. You can also sort by **Date**, **Name**, or **Times Visited**. To sort, select **Sort**. When you select **Enter URL**, you can enter in a new URL address directly using your remote or mouse and bookmark it.

When you highlight a bookmark, the **Option** button appears on the right. In the **Option** pop-up, you can edit the selected page or delete the selected page from the bookmark list.

By clicking the Text/Image button in the upper right of the screen, you can toggle the Bookmarks list between text descriptions of bookmarked pages and images of the bookmarked pages.

The Bookmarks screen can also display your Browsing History and the Windows list which contains a list of the browser windows that are currently active.

Using the Tools menu with Bookmarks

- **Delete All**

Delete all bookmark lists.

- **Add to Bookmark**

Bookmarks the current page.

- **Import bookmarks**

You can import a bookmark file saved on another device such as a PC.

- **Export bookmarks**

You can export a bookmark file from your TV to another device connected


to your TV.

- **History**

Displays the **History** screen. You can select a web page to visit in the **History** list. You can also sort by **Date**, **Name**, or **Times Visited**. To sort, select **Sort**. When you select **Enter URL**, you can enter in a new URL address directly using your remote or mouse.

When you highlight a page, the **Option** button appears on the right. In the

Option pop-up, you can delete the selected page from the history list or add the selected page to bookmark.

 If you want to delete all entries in the history list, open the **Tools** menu, and then select **Delete All**.

- **URL Field**

Shows the URL of the current page. If you select the URL field, the URL pop-up appears. Using your remote, you can enter a new URL directly.

- **Windows List**

Displays a list or images of open windows (the **Windows List**). You can open a new window from the list (using **Open new window**), select and access a window in the list, select and close a window in the list, or close all windows. When you select **Enter URL**, you can enter a new URL address directly using your remote or mouse. By clicking the Text/Image button in

the upper right of the screen, you can toggle the Windows list between text descriptions of open windows and images of the open windows.

Using the Tools menu with Windows List

- Open new window

Open a new web browser window.

The new web browser page

automatically displays the home

page.

- **Close all windows**

Close all the currently opened windows listed in **Windows List**.

After closing all windows, the TV opens a new web browser window automatically. The new web browser window automatically displays the home page.

- **Search**

Lets you search the web. When you select the **Search** entry field, the **Search**

screen appears.

To search the web by word input,
follow these steps:

1. On the **Search** screen, select the search engine.
2. Select **Please enter a keyword..** The keyboard screen appears.
3. Enter the word you want to use as the keyword using your mouse or remote. The TV searches using the keyword and search engine you

selected.

- **Share**

Share the current web page with your **Family Story**.

- **Options**

You can configure the **Web Browser** settings.

Configuring the Web Browser Using Options

Move the cursor to the top of the screen, and then select the **Options**

icon.

- [Reading Tools](#)

Provides an easy-to-read page by enlarging the main text. [Reading Tools](#) is not available for all pages.

- [Approved Sites](#)

Lets you restrict your children's access to inappropriate web pages by allowing access only to the web sites you have registered.

 Every time you access [Approved](#)

Sites, the PIN screen appears. The first time you access **Approved Sites**, enter the default PIN, 0-0-0-0 using the numbers keypad on your remote. You can change the PIN using the Reset password for the **Approved Sites** function. See below.


Approved Sites Feature: Turns the Approved Sites function on or off.

Reset password for Approved Sites:

Change the **Approved Sites** password.

Add current site: Lets you add the currently displayed web site to the Approved Sites list.

Manage Approved Sites: Lets you key in URLs to add to the Approved Sites List and delete sites from the Approved Sites list.

 If you turn **Approved Sites** on and have not added any sites to the Approved Sites list, you will not be able to access any Internet sites.

- **Private Browsing On / Private Browsing off**

Enable or disable the Privacy mode.

When the Privacy mode is enabled, the browser does not retain the URLs of sites you visit. If you want to enable Privacy mode, select **Yes**.

If the Privacy mode is running, the “Stop” icon appears in front of the URL at the top of the screen. To disable Privacy mode, select it again when

Privacy mode is enabled.

- **PIP Settings**

Lets you configure the **PIP** function.

PIP Position: Select a position for the PIP sub-picture.

Sound: Select the audio source you will hear - Main or Sub - when PIP is on.

- **Web Browser Setting**

You can configure **Web Browser** options.

Set as homepage: You can set the

home page.

- **Most visited**: Set the most frequently visited URL as the home page.
- **Current Page**: Sets the current page as the home page.
- **Bookmarks**: Sets the bookmarks URL as the home page.
- **Enter URL**: Lets you key in the URL of the page you want for your home page.

Pop-up Block settings: Turns the **Pop-**

up **Block** on or off.

Ad Block Settings: You can determine whether to block advertisements and select the URLs for which advertisements are blocked.

- **Ad Blocker:** Turns the **Ad Blocker** on or off.
- **Block current page:** Adds the current page to the blocked list.
- **Manage blocked sites:** You can add a website for which advertisements

will be blocked by directly keying in the URL, or you can delete a website from the list.

General: You can delete your personal information.

- **Delete history:** Deletes the website history.
- **Delete browsing data:** Deletes Internet access information such as cookies.
- **Reset Settings:** Reset all web

browser settings to their factory defaults.

- **Hide Menu:** Turns the control panel auto-hide on or off. If you select on, the control panel on the top will be hidden and only appear when you move the pointer to the top of the screen.

Encoding: You can set the Encoding setting for web pages to Automatic or Manual.

- **Auto select**: Turns automatic Encoding for web pages on or off. The browser selects the appropriate encoding format automatically.
- **Setting**: Select an encoding format from a list of encoding formats manually. The format is applied to all pages.

Pointer: You can set the speed of the cursor when the cursor is set to **Pointer Mode**.

- **Pointer Speed**: Select a pointer speed.

Browser Information: Displays the version and copyright information for the **Web Browser**.

Skype


 → Skype

Skype created a little piece of software that makes communicating with people around the world easy and fun.

With Skype you can say hello or share a laugh with anyone, anywhere. And if both of you are on Skype, it's free. Communicate with people around the world!

 To use Skype, you need the Samsung

TV Camera (sold separately). Other company's TV Cameras are not compatible with Skype on your TV.

 For more information, download the Skype user's manual from "www.samsung.com."

[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.

AllShare Play

 → AllShare Play

View or play photos, music, and movie files located on a USB Mass Storage Class (MSC) device, a PC, or a DLNA device (a cell phone, for example) on your TV.

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

 If you want to use a USB HDD, we

recommend using a USB HDD that has a power adapter.

- ☞ To play content located on your PC or on a DLNA compatible cell phone, you must connect your PC and the TV to your network and download and then install the AllShare network software on your PC. In addition, to play content located on a DLNA compatible device, you must have a wireless network.

Connecting a USB Device

1. Turn on your TV.
2. Connect a USB device containing photo, music and/or movie files to the USB port on the TV.
3. When a USB device is connected to the TV, the **New device connected** window appears. Select a **Contents Type** you want to play: **Videos**, **Photos** or **Music**.

 The TV may display the files on the

USB device automatically if it is the only device connected.

4. The **AllShare Play Music, Photos, or Videos** screen appears. If the USB device has folders, the TV displays a list of folders. Highlight and then select a folder. If the USB device does not have folders, the TV will display files or thumbnails.
5. Highlight and then select a file to view or play.

- ☞ To select a different Content Type or Device Type, press the **RETURN** ↵ button repeatedly until the **AllShare Play** main screen appears, and then select.
- ☞ For more information about playing back files, see the section of this manual starting with "Video playback control buttons".

Disconnecting a USB Device




Method 1: Using the **SOURCE** → 

button.

1. Press the **SOURCE**  button.
2. Select a desired USB device, and then press the **TOOLS**  button. The **Tools** menu appears.
3. Select **Safely Remove USB**, and then wait until the selected USB device is disconnected. You can remove a USB device from the TV.

Method 2: Using the AllShare Play

home screen.

1. Go to **AllShare Play** home screen. ( → **AllShare Play**)
2. Select any category except **My List**, and then press the  button.
3. Select a desired USB device, and then press the **TOOLS**  button. The **Tools** menu appears.
4. Select **Safely Remove USB**, and then wait until the selected USB device is disconnected. You can remove a USB

device from the TV.

- ☞ To remove a USB device from the TV, we recommend use **Safely Remove USB** function.

Read this information before using AllShare Play with a USB device.

Restrictions and Cautions

- ◆ Before connecting your device to the TV, please back up your files ensure against file damage or data loss.
SAMSUNG is not responsible for any

data file damage or data loss.

- ◆ Connect a USB HDD to the dedicated USB (HDD 5V 1A) port.
- ◆ Do not disconnect a USB device while it is being read by 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, re-copy the files to the device, and then try playing again.

- ◆ 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.
- ◆ If your PC cannot construct a

functional database of saved files on a USB device because there is no free space on the USB device, you may not be able to view any new files you have added, even though you have saved these files to the USB device.

Supported Devices

- ◆ Certain types of USB Digital camera and audio devices may not be compatible with this TV.

- ◆ AllShare Play supports only USB Mass Storage Class (MSC) devices. MSC is a Mass Storage Class Bulk-Only Transport device. Examples of MSC include Thumb drives, Flash Card Readers, and USB HDD (USB HUB are not supported). Devices should be connected directly to the TV's USB port.
- ◆ More than 3TB USB HDD is not supported.

- ◆ 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 the devices may not be recognized.
- ◆ A USB device that requires high power (more than 500mA or 5V) may not be supported.
- ◆ 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 turned off automatically when you connect them to the TV.

File system and formats

- ◆ 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.
- ◆ AllShare Play supports only the Sequential jpeg format. It does not support the Progressive jpeg format.
- ◆ 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.
- ◆ If the number of files and folders saved on a USB storage device is over approximately 8000, some files and folders may not appear and some folders may be unopenable.

- ◆ 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.

- ◆ Even if a file you want to play is encoded in a supported format, an error message may appear due to a sub container or profile problem.

Connecting to a PC through a network

You can play pictures, music, and videos located on your PC through a network connection using [AllShare Play](#).

 For more information on how to

configure your TV and connect it to your network, refer to “Setting up the Network” in this manual.

- ☞ To view content located on your PC, you must have connected your TV and your PC to your LAN and downloaded and then 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 AllShare Play 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 ◀ or ▶ function while a movie is playing.

Additional Notes


- ☞ DivX DRM is not supported.
- ☞ Set your PC firewall program so that AllShare PC Software is a permitted program.

 Depending on the Internet server, when you use **AllShare Play** through a network connection:

- The sorting method may vary.
- The **Scene Search** function may not be supported.
- 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 search function may not work depending on the content information.

 You may experience file stuttering while playing a video in AllShare Play through a network connection.

Using the AllShare Play


AllShare Play enables you to enjoy the following services. You need to log in to your Samsung account to use web storage or social services.


AllShare Play can play various contents in three ways:

- Using USB Device: You can play videos, photos, or music from a connected USB device.
- Using DLNA or Web storage: You can

play various contents from devices connected to your home network or web storage.

– Using Social Services: You can play some content from social services such as Family Story, Facebook or Picasa.


 Before using Facebook or Picasa, it should be installed in the Smart Hub.

 To use SugarSync, Facebook, or Picasa, you should log in

to corresponding application.

Alternatively, you can register your application account in to your Samsung account. To register your application account, refer to "Configuring the Smart Hub with Settings" in the Smart Hub section.

- ☞ To use Family Story, you should log in to your Samsung account. Before using Family Story, you should join a group at least one more.

 You can transfer a desired content to other device connected to the TV.

Contents Type	Supported transfer device
USB	DLNA, SugarSync, Family Story, Picasa, Facebook
Camera	DLNA
DLNA	USB
SugarSync	USB
Family Story	USB
Picasa	USB
Facebook	USB
Mobile device	USB


My List (In AllShare Play)

 → AllShare Play → My List

Using this function, you can access content easily and quickly.

- **Recently Played**

Displays a list of recently played video, photo, or music files. If you have a file you want to play again, use this list.

 When you try to play a file from the **Recently Played** list, and the USB device is not connected or the file

is not found, the "Cannot find the file you're looking for." message appears.

☞ The **Recently Played** list can have up to 48 files. The files are arranged so that the most recently played files are at the top of the list.

☞ **Recently Played** files located on a mobile phone may not play.

- **What's New**

Displays newly saved videos, photo,

or music files on a connected USB device or your PC. If you have a newly updated file you want to play, use this category.

- **Playlist**

Displays the Playlist files saved on the USB device or your PC. If you want to play a playlist, select the playlist. The selected playlist plays immediately.

 You can create up to 12 playlists.

 You can add up to 100 files to a

single playlist.


- ☞ You can only add one type of content to a single playlist. For example, you can only add music files to a playlist that includes music files.

Creating a Playlist


1. On the **AllShare Play** main screen, select **Videos**, **Photos**, or **Music** on the left side of the screen.
2. On the right side of the screen,

highlight and select the device that has the files you want in the playlist. **AllShare Play** displays the folders and/or files on the device.

3. If **AllShare Play** is displaying folders, highlight and select the folder that contains the files you want. If it is only displaying files, go to Step 4.
4. Highlight a file, and then open the **Tools** menu using your remote,
5. Highlight and select **Add to Playlist**.

6. Highlight and select a file you want to add. A  mark appears in the check box.

7. Repeat Step 6 to select additional files.

 To select all the files in the list, select **Select All**. To cancel a selection, select the file again.

8. When done, select **Add**. The **Add to Playlist** screen appears.

9. Select **Create New**. The **Create a new**


playlist. screen appears.

- 10.** Enter the playlist name using your remote or accept the default name.
- 11.** When finished, Select **Done**. The new playlist is created. The Added pop-up appears.
- 12.** Select **Play** to play now or **OK** to play later.

To add files to a playlist, follow these steps:


- 1.** On the **AllShare Play** main screen,

select **Videos**, **Photos**, or **Music** on the left side of the screen.


 You must select the kind of content that is already in the playlist. For example, if you want to add files to a music playlist, you must select **Music**.

2. On the right side of the screen, highlight and select the device that has the files you want in the playlist. **AllShare Play** displays the folders

and/or files on the device.

3. If **AllShare Play** is displaying folders, highlight and select the folder that contains the files you want. If it is only displaying files, go to Step 4.
4. Highlight a file, and then open the **Tools** menu using your remote,
5. Highlight and select **Add to Playlist**.
6. Highlight and select a file you want to add. A  mark appears in the check box.

7. Repeat Step 6 to select additional files.

 To select all the files in the list, select **Select All**. To cancel a selection, select the file again.

8. When done, select **Add. The **Add to Playlist** screen appears.**


9. Highlight and select the playlist you want to add the files to. The Added pop-up appears.

10. Select **Play to play now or **OK** to**


play later.

To delete one or more files in a Playlist, follow these steps:

1. On the **AllShare Play** main screen, select **My List**.
2. In the Playlist area at the bottom of the screen, highlight the playlist you want to edit.
3. Open the **Tools** menu using your remote, and then select **Edit Playlist**.
The **Edit Playlist** screen appears.

4. Select a file you want to delete. A  mark appears in the check box.

5. Repeat Step 4 to select additional files.

 To select all the files in the list, select **Select All**. To cancel a selection, select the file again.


6. When done, select **Remove**. A pop-up message appears.

7. Select **Yes**. The selected file(s) has been removed from the playlist.

Videos (In AllShare Play)

 → AllShare Play → Videos

You can play video files saved on USB devices and/or your PC.

 For more information about the subtitle formats and codec formats, refer to "Supported Subtitle and AllShare Play file formats" in the Other Information section.

Playing a Video

1. On the AllShare Play screen, select

Videos.

2. Highlight and select the device you want to play.
3. If **AllShare Play** displays folders, highlight and select the folder that contains the file you want, then go to Step 4. If **AllShare Play** displays files only, go directly to Step 4.
4. Highlight and select the desired video on the file list screen.

 If you stop the video while it is

playing, you can play the video later from the point where you stopped it.

☞ The file name appears on the top of the screen with the video's playing time.

☞ If video time information is unknown, the playing time and progress bar are not displayed.

Video playback control buttons

- ◀ / ▶

Each time you select ◀ or ▶ using

your remote, the playback speed change as follows. (◀ 1 / ◀ 2 / ◀ 3 / ▶▶ 1 / ▶▶ 2 / ▶▶ 3)



Jump backward or forward from the current position.



Pause the scene.

- For Slow Motion: In pause mode, select ▶▶. Each time you select ▶▶ using your remote, the playback

speed is reduced in this order ▶
1/8 / ▶1/4 / ▶1/2. The playback
speed is displayed in the upper
left corner.

- For Step Mode: In pause mode,
select ⏸. Each time you select ⏸
using your remote, a new frame
will be appear.

- ☞ To return to normal speed
playback, select ▶ using your
remote.

- ☞ The product does not play sound in Step mode or Slow Motion.
- ☞ Slow Motion and Step Mode operate only in the forward direction.

Using the Tools menu with Videos

- On the file list screen, you can use the following options:

- **View**


Lets you sort the file list by one of four sort criteria.

- **Selection Play**

Lets you select one or more files to play immediately.

- **Send**

Lets you send your video files to your Web storage or other devices.

 If you want to use this function, you must log in to **Smart Hub**.

- **Login / Logout**

You can login to or logout of your Smart Hub account.

- **Add to Playlist**

Lets you create playlists. When you create playlists, you can play a series of videos that you want to watch easily and quickly.

- **Go to playlist**

Moves to the Playlist screen.

- **Information**

Displays detailed information about the selected file.

- During playback, you can use the

following options on the Tools menu:

- **Go to Videos List**

Stops the video and takes you to the file list screen.


- **Play from the Beginning**

You can restart a video file from the beginning.

- **Scene Search**

You can use the **Scene Search** function during playback to view or start a movie from the scene of your

choice.

 If the index information in the file is damaged or the file does not support indexing, you will not be able to use the **Scene Search** function.

– **Title Search**

You can move directly to another title.

– **Time Search**

You can search the video using the

left and right arrow keys or input a playing time directly using your remote.

- Repeat Mode

You can play a single movie file or all the files on the play list screen repeatedly.

- Picture Size

Lets you adjust the picture size to your preference.

- Picture Mode

You can change the **Picture Mode**.

- **Sound Mode**

You can change the **Sound Mode**.

- **Audio Language**

You can listen to the video in one of the supported languages. The function is enabled only when you play stream-type files which support multiple audio formats.

- **Subtitle**

Lets you view a video with language

subtitles. You can select a specific language if the subtitle file contains multiple languages.

- **Subtitle Settings**

Displays the **Subtitle Settings**. You can select subtitle options such as color and transparency.


- **Information**


Displays detailed information about the selected file.

 The functions available on the **Tools**

menu at one time depend on the characteristics of the video you are playing. All functions are not necessarily available for all videos.

Using the View function with Video Files

 When you use the **AllShare Play** function with your Web storage rather than a USB device, **View** is not supported.

1. To sort files in the file lists, select  using your remote. The **View** screen

appears.

2. Select a sort criteria.

- **Folder view**

Displays the folders on the device in alphabetical order. To view the file names and thumbnails, select a folder.

- **Title**

Sorts and displays the files by title in Symbol / Number / Alphabet / Special order.

- **Latest Date**


Sorts and displays files by the latest create date.

- **Earliest Date**


Sorts and displays files by the earliest create date.

Send your video files


Lets you send your video files to your Web storage or other devices.

 To use **Send**, you must be logged in to **Smart Hub**.

1. Highlight a file, open the **Tools** menu using your remote, and then select **Send**.

2. Select a video file you want to send. A  mark appears in the check box on the left.

3. Repeat Step 2 to select additional videos.


 To select all the files in the list, select **Select All**. To cancel a selection, select the file again.

4. When done, select **Send**. The **Send** screen appears.
5. Choose the destination device to send, and then select **Send**.
6. From these steps, please follow the instructions on the screen.

Photos (In AllShare Play)

 → AllShare Play → Photos

Viewing a photo (or slide show)


 For more information about the supported image file formats, refer to "Supported Subtitle and AllShare Play file formats" in the Other Information section.

1. On the [AllShare Play](#) screen, select [Photos](#).

2. On the right side of the screen,

select the device that has the photos you want to view.

3. If **AllShare Play** displays folders, select the folder that contains the photos you want, then go to Step 4.
4. If **AllShare Play** displays photo thumbnails, go directly to Step 4.
4. To start a slide show, select ► using your remote.

 To view another photo manually, press the ◀ or ▶ button.

- ☞ During the slide show, all files in the file list are displayed in order, starting from the file you selected.
- ☞ When viewing a photo file or slide show, you can add background music if you have music files on same device.
- ☞ If you select the wrong background music, you cannot change the music until the BGM has finished loading.

Photo playback control buttons

- 

Changes the slide show speed as follows: **Slow**, **Normal**, **Fast**. The speed is displayed in the upper right of the screen.

- 

Go to the previous or next photo.

- 

Return to the file list screen.

- 

Start the slide show.

- II

Pause the slide show.

Using the Tools menu with Photos

- To use the **Tools** menu with photos, you must first highlight a photo file on the file list screen. After you have highlighted a photo on the file list screen, you can use the following options in the **Tools** menu:

- **View**


Lets you sort the file list by one of four sort criteria.

- **Selection Play**

Lets you select one or more files to play immediately.

- **Send**

Lets you send your photos with your **Family Story** account or to photo-related applications.

 To use **Send**, you must be logged in to **Smart Hub**.

- [Login / Logout](#)

You can login to or logout of your Smart Hub account.

- [Add to Playlist](#)

Lets you create playlists. When you create playlists, you can play a series of photos easily and quickly.

- [Go to playlist](#)

Moves to the Playlist screen.

- [Information](#)

Displays detailed information about

the selected file.

- When playing a photo file, you can use the following options:

- **Go to Photos List**

Moves to the file list screen.

- **Start Slide Show / Stop Slide Show**

You can start or stop a slide show.

Alternatively, select ► to start a slide show or || to stop a slide show using your remote.

- **Slide Show Speed**

You can select the slide show speed during the slide show. Alternatively, select ◀ or ▶ using your remote.

- **Background Music On / Background Music Off**

You can turn background music on or off.

- **Background Music Setting**


You can set and select background music when watching a photo file or slide show.

- **Picture Mode**

You can change the **Picture Mode**.

- **Sound Mode**

You can change the **Sound Mode**.

 Available only when **Background Music** is set to on.

- **Zoom**

You can zoom into images in full screen mode.


- **Rotate**

You can rotate images.

– Information

Displays detailed information about the selected file.

Using the View function with Photo Files

 When you use the **AllShare Play** function with **Family Story**, Facebook, or Picasa rather than a USB device, **View** is not supported.

1. To sort files in the file lists, select **D** using your remote. The **View** screen appears.

2. Select a sort criteria.

- **Folder view**

Displays the folders on the device in alphabetical order. To view the file names and thumbnails, select a folder.

- **Title**

Sorts and displays the files by title in Symbol / Number / Alphabet / Special order.

- **Latest Date**

Sorts and displays files by the latest create date.

- **Earliest Date**

Sorts and displays files by the earliest create date.


- **Monthly**

Sorts and displays photo files by month.


Send your photos

Lets you send your photos with your **Family Story** account or send files to

other devices.


 To use **Send**, you must be logged in to **Smart Hub**.

An example: Sending with your Family Story

1. To send photo files in the file list, highlight a file, open the **Tools** menu using your remote, and then select **Send**.
2. Select a photo file you want to send.
A  mark appears in the check box

on the left.

3. Repeat Step 2 to select additional tracks.

 To select all the files in the list, select **Select All**. To cancel a selection, select the file again.


4. When done, select **Send. The **Send** screen appears.**

5. Choose the destination device to send to.

6. Choose the family group to share

with. A pop-up window appears.

7. Enter a message to send to the family group you selected.


 If the **QWERTY** keyboard screen is displayed, you can use a keyboard connected to the TV to enter the message.

8. When done, select **Send**.

Music (In AllShare Play)

 → AllShare Play → Music

Playing Music

 For more information about the supported music file formats, refer to "Supported Subtitle and AllShare Play file formats" in the Other Information section.

1. On the **AllShare Play** screen, select **Music**.
2. Select the device that contains the

files you want to play.

3. If **AllShare Play** displays folders, highlight and select the folder that contains the music files you want, then go to Step 4. If **AllShare Play** displays only files, go directly to Step 4.




4. Select the desired music file in the file list or select ► using your remote.




To move to a previous page, select

B using your remote. To move to

the next page, select  using your remote.

 When the music is playing, you can fast forward or fast rewind the music file by selecting  or  using your remote.

 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.)

Music playback control buttons

During playback, you can use the additional functions at the bottom right of the screen.

- **Play / Pause**

You can start or pause a music file.

Alternatively, you can select ► or || using your remote.

- **Repeat Mode**

You can play one or all the music files shown in the file list repeatedly.

- **Shuffle Mode**

You can play the music files sequentially or randomly.

- **Sound Mode**

You can change the **Sound Mode**.

Using the Tools menu with Music

- To use the **Tools** menu with **Music**, you must first highlight a music file on the file list screen. After you have highlighted a music file on the file list screen, you can use the following

options in the **Tools** menu:

- **View**

You can sort the file list by one of four sort criteria.

- **Selection Play**

Lets you select one or more files to play immediately.

- **Send**

Lets you send your music files to your Web storage or other devices.



To use **Send**, you must be logged

in to [Smart Hub](#).

- [Login / Logout](#)

You can login to or logout of your Smart Hub account.

- [Add to Playlist](#)

Lets you create playlists. When you create playlists, you can play a group of music files easily and quickly.

- [Go to playlist](#)

Moves to the Playlist screen.

- [Encoding](#)

You can select an encoding format from the encoding format list.

- **Information**


Displays detailed information about the selected file.

Using Selection Play with music files

1. Highlight a music file in the file list.
2. Open the **Tools** menu using your remote, and then select **Selection Play**.
3. Select the track you want to add. A


✓ mark appears in the check box on the left.

4. Repeat Step 3 to select additional tracks.

 To select all the files in the list, select **Select All**. To cancel a selection, select the file again.

5. When done, select **Play**. The selected music files will play.

Using View with Music files

 When you use the **AllShare Play** function with your Web storage rather than a USB device, **View** is not supported.

1. To sort files in the file lists, select **D** using your remote. The **View** screen appears.

2. Select a sort criteria you want.

- **Folder view**

Displays the folders on the device in alphabetical order. To view the

file names and thumbnails, select a folder.

- **Title**

Sorts and displays the files by title in Symbol / Number / Alphabet / Special order.

- **Artist**

Sorts the music files by artist in alphabetical order.

- **Album**

Sorts the music files by album in


alphabetical order.

- **Genre**

Sorts music files by the genre.

Send your music files

Lets you send your music files to your Web storage or other devices.

 To use **Send**, you must be logged in to **Smart Hub**.


1. To send music files in the file list, highlight a music file, open the **Tools** menu using your remote, and then

select **Send**.

2. Select a music file you want to send.

A  mark appears in the check box on the left.

3. Repeat Step 2 to select additional tracks.

 To select all the files in the list, select **Select All**. To cancel a selection, select the file again.

4. When done, select **Send**. The **Send** screen appears.

5. Choose the destination device to send, and then select **Send**.
6. From these steps, please follow the instructions on the screen.

Using the DLNA Function

 → AllShare Play

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.

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 Play, you can use Samsung's original functions as follows:

– Playback of various video formats

(DivX, 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, we recommend you use the AllShare™ software provided in your TV.

AllShare Settings

Menu → Network → AllShare Settings


Shows a list of mobile phones or connected devices which have been set up to use AllShare Settings with this

TV.

 The **AllShare Settings** 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.

To play the media contents on the devices connected to the TV using the DLNA function, follow these steps:

1. On the **AllShare Play** screen, select the kind of content you want to play: **Videos, Photos, Music**.
2. On the right side of the screen, select DLNA. The TV displays the list of devices connected using the

DLNA function.


3. Select a device. **AllShare Play** displays the accessible files or folders on the device.
4. Select a file in the file list. The selected file will play.


Playing media contents saved on DLNA devices

1. Connect the mobile phone or other devices which support **AllShare Play** function.

2. Play media contents on the device. A popup screen appears on the bottom of your TV.


3. Select **Allow** to accept the connected device. The media contents of the device can now play on your TV.

 You can find the allowed devices on **AllShare Settings**.


 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 close the alarm window using your remote when the alarm window appears, the media contents are not played.**

 The first time a device accesses your TV through the media function, a warning pop up window appears.

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 the device to **Denied** in the **AllShare Settings**.

 Contents may not play on your TV depending on their resolution and format.

 Some 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 device's user's guide.

Anynet+ (HDMI-CEC)

Menu → System → Anynet+ (HDMI-CEC)

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.


- ☞ 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) port 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) port on your DVD player, Satellite Box, etc. (i.e. Anynet+ Device 1 or 2) directly to the Home Theater, not the TV.

Anynet+ (HDMI-CEC) Menu

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

- **View TV**

Change from Anynet+ mode to TV broadcast mode.

- **Device List**

Shows the Anynet+ device list.


- (device_name) **Menu**

Shows the menu of the connected

device. E.g. if a DVD player is connected, the disc menu of the DVD player will appear.


- (device_name) **Tools**

Shows the Tools menu of the connected device. E.g. if a DVD player is connected, the Tools menu of the DVD player will appear.

 Depending on the device, this menu may not be available.

- (device_name) **Title Menu**

Shows the title menu of the disc in the connected device. E.g. If a DVD player is connected, the title menu of the movie in the DVD player will appear.

 Depending on the device, this menu may not be available.


- **Receiver**

Sound is played through the receiver.

Setting up Anynet+ (HDMI-CEC)

- **Anynet+ (HDMI-CEC)**

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**

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.

- **Receiver**


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

Switching between Anynet+ Devices


1. Open the **Tools** menu using your remote, and then select **Anynet+**

(HDMI-CEC).

2. Select **Device List**. The **Device List** screen appears.

 If you cannot find a device you want, select **Refresh** to refresh the list.

3. Select a device, and then wait until the switch to the selected device is completed.

 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 switching operation while switching is in progress.
- ☞ If you have selected an Anynet+ device using the **Source** function, you cannot use the Anynet+ function. Make sure to switch

to an Anynet+ device using the **Device List** function.

Listening through a Receiver

You can listen to sound through a receiver (i.e. Home Theater) instead of the TV speakers. To listen to sound through a receiver, go to the **Receiver** screen (**System** → **Anynet+ (HDMI-CEC)** → **Receiver**). Then select **Receiver** and set to **On**.

 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)** port 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 it is connected to the TV via HDMI, you will hear only 2 channel sound from the receiver.

Using the ARC function

for LED 6100 – 7150 Series and PDP TV

You can listen to sound from the TV through a receiver connected using an HDMI cable without connecting a separate optical cable. To listen to


sound through a receiver using the ARC function, go to the **Receiver** screen (**System** → **Anynet+ (HDMI-CEC)** → **Receiver**). Then select **Receiver** and set to **On**.

 To use the ARC function, a receiver which supports the HDMI-CEC and ARC features must be connected to the **HDMI IN 2 (ARC)** port.

 To disable the ARC function, set the **Receiver** to **Off**. Even if

the TV transmits the ARC signal continuously, the receiver will be blocked from receiving the signal.

Troubleshooting

 To view a list of all troubleshooting items, go to e-Manual home screen ([Menu](#) → [Support](#) → [e-Manual](#) → Other Information) or press the **SUPPORT** button, and then search a desired item by selecting a chapter.

[Menu](#) → [Support](#) → [Self Diagnosis](#) →
[Troubleshooting](#)

If the TV seems to have a problem, first review this list of possible

problems and solution. Also review the Troubleshooting Section in the e-Manual. If none of the troubleshooting tips apply, visit www.samsung.com/support or call Samsung customer Service at 1-800-SAMSUNG (1-800-726-7864).

Flickering and Dimming

If your Samsung Television is flickering or dimming sporadically, you may need to disable some of its energy efficient

features such as the **Eco Sensor** or the **Energy Saving** feature. Follow the steps below with your remote to turn these features off or on.

- ◆ **Energy Saving: System → Eco Solution → Energy Saving**
- ◆ **Eco Sensor: System → Eco Solution → Eco Sensor**

Component Connections / Screen Color

If you find that the color on your Samsung television's screen is not

correct or black and white, first run a **Self Diagnosis** on the TV to make sure there are no device issues.

- ◆ **Self Diagnosis : Support → Self Diagnosis → Picture Test**

If the problem does not appear in the Picture test, make sure:

- ◆ Your connections are all consistent. For example, if you've used the AV In jack on your TV, make sure you have used the AV Out jack on your video

source.

- ◆ You have connected your devices to the correct jacks. For example, if you use the Component jacks, labeled Pb, Pr, and Y, to connect your TV and video source, make sure you have connected the blue Pb jack on the video source to the blue Pb jack on the TV, the red Pr jack on the video source to the red Pr jack on the TV, and the green Y jack on the source

to the green Y jack on the TV.

Screen Brightness

If you find that the colors on your Samsung TV are correct but just a little too dark or bright, try adjusting the following settings in the Picture option in the Main menu:

- ◆ Backlight **for LED TV** / Cell Light **for PDP TV**, Contrast, Brightness, Sharpness, Color, Tint (G/R) and so on. Go to **Picture** on the user Menu,

and then try adjusting the options mentioned above.

Blur **for LED 6100 - 7150 Series**

If you find that there is a blur or “ghostlike” appearance to the images on your television’s screen, you might be able to correct the blurring using **Auto Motion Plus**.

- **Auto Motion Plus: Picture → Picture Options → Auto Motion Plus**

Unwanted Powering Off

If your Samsung TV appears to turn off by itself, there may be an issue with either your Timer settings or your Eco friendly No Signal Power Off feature.

First make sure Sleep Timer is not accidentally set. The Sleep Timer turns off the TV automatically after a certain period of time has passed.

- ◆ **Sleep Timer: System → Time → Sleep Timer**

If the Sleep Timer is not activated, you

may have engaged the No Signal Power Off or Auto Power Off feature.

- ◆ No Signal Power Off: System → Eco Solution → No Signal Power Off
- ◆ Auto Power Off: System → Eco Solution → Auto Power Off

Trouble Powering On

Before you turn the TV on, find the red light on the right or left bottom of your TV. Press the Power on button on the TV or remote.

The light should blink about 5 times before

the TV turns on.

If you find that you are having trouble powering on your Samsung television, there are a number of things to check before making a call to the service department.

If you're sure your power cord, remote control, and PC are functioning properly, you may be having a cable issue. If you have a cable or satellite box, your TV may appear to be off

because the cable or satellite box is not outputting a signal. To test the signal output of your cable or satellite box, press the guide or info button on the cable or satellite box remote control. If the screen displays the guide or info data, the problem is caused by the box.

Stand Assembly

If you have any trouble assembling the stand first, review "Install the Stand" in the paper manual.

Cannot Find a Channel

Re-run **Setup** (Go to **System** → **Setup**)
or run **Auto Program**. (Go to **Channel** →
Auto Program).

 Watch the troubleshooting videos at
www.samsung.com/spsn

Picture (Troubleshooting)

First, perform the [Picture Test](#) to see if your TV is properly displaying the test image (go to [Support](#) → [Self Diagnosis](#) → [Picture Test](#)).

If the test image is properly displayed, the poor picture may be caused by the source or signal.

The TV image does not look as good as it did in the store.

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.

☞ Many HD channels are up scaled from SD (Standard Definition) contents. Look for a channel that is broadcasting true HD content.

◆ Cable/Satellite subscribers: Try HD

channels from the channel line up.

- ◆ Air/Cable Antenna connection: Try HD channels after performing an Auto Program.

Adjust the Cable/Sat box video output resolution to 1080i or 720p.

The picture is distorted: macro block error, small block, dots, pixelization

The compression of video contents may cause picture distortion especially in fast moving pictures such as those

in 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.

Color is wrong or missing.

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.

The color is poor or the picture is not bright enough.

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 **System → Eco Solution → Energy Saving**)

Try resetting the picture to view the default picture settings (go to [Picture](#) → [Reset Picture](#)).

There is a dotted line on the edge of the screen.

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.

If you are using an AV composite input,

connect the video cable (yellow) to the green Y Component jack on the TV.

When changing channels, the picture freezes or is distorted or delayed.

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.

Sound (Troubleshooting)

First, perform the [Sound Test](#) to determine if your TV audio is operating properly. (Go to [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.

Check the volume setting of the device (Cable/Sat Box, DVD, Blu-ray etc.)

connected to your TV.

The picture is good but there is no sound.

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 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.

If the TV is connected to an external device, reboot the connected device by disconnecting, and then reconnecting the device's power cable.

The speakers are making an inappropriate noise.

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 a [Sound Test](#). ([Support](#) → [Self Diagnosis](#) → [Sound Test](#))

RF (Cable / Antenna) Connection (Troubleshooting)

The TV is not receiving all channels.

Make sure the coaxial cable is connected securely.

Run **Auto Program** to add available channels to the channel list. Go to **Channel** → **Auto Program** then select **Cable** and make sure to select the correct Cable TV signal type. There are 3 options, **STD**, **HRC** and **IRC**. Most cable systems use **STD**. If you are

using an antenna, select **Antenna** or **Air** instead.

Verify the antenna is positioned correctly.

No caption on digital channels.

Check the **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.

The compression of video contents may cause picture distortion, especially with fast moving pictures such as those in sports and action movies.

A weak signal can cause picture distortion. This is not a TV problem.

PC Connection (Troubleshooting)

A Mode Not Supported message appears.

Set your PC's output resolution so it matches a resolution supported by the TV.

The video is OK but there is no audio.

If you are using an HDMI connection, check the audio output setting on your PC.

Network Connection (Troubleshooting)

The wireless network connection failed.

Make sure the TV is connected to a wireless IP router or modem.

Software Update over the network fails.

Run **Network Status** in the **Network** menu to confirm the connection.

If you already have the latest Software (SW) version, SW upgrade will stop.

Others (Troubleshooting)

Purple/green rolling horizontal bars and buzzing noise from the TV speakers with a Component cable connection.

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.

The picture won't display in full screen.

HD channels will have black bars on either side of the screen when displaying upscaled 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.

A Mode Not Supported message appears.

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.

Caption on the TV menu is grayed out.

You cannot select the **Caption** menu if you have selected a source connected to the TV via HDMI or Component.

To view captions, you must turn on the external device's **Caption** function.

There is a plastic smell from the TV.

This smell is normal and will dissipate in a short time.

The TV Signal Information is unavailable in the Self Diagnosis menu.

This function is only available for digital channels the TV receives from an Antenna / RF /Coax connection.

The TV is tilted to the side.

Remove the base stand from the TV and reassemble stand.

The channel menu is grayed out

(unavailable).

The **Channel** menu is only available when you select the TV source.

Your settings are lost after 30 minutes or every time the TV is turned off.

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 **Setup** procedure. Select **TV** in **Source** using your remote, and

go to **System** → **Setup**.

You have intermittent loss of audio or video.

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.

This is part of the product's design and is not a defect.

The PIP menu is not available.

PIP functionality is only available when you are using an HDMI or Component source.

POP (TV's internal banner ad) appears on the screen.

Select [Home Use](#) under [Setup](#) mode.

For details, refer to the [Setup](#) Feature.

The Plasma TV is making a humming noise.

for PDP TV 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.

Image Retention (Burn In) Issue.

for PDP TV 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.

3D (Troubleshooting)

for LED 6500 – 7150 Series and PDP TV

The 3D Active Glasses are not working correctly

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.

The 3D images don't look quite right.

The ideal viewing distance is three times or more the height of the screen.

We also recommend sitting with your eyes level with the screen.

The batteries in the 3D glasses don't last

Turn off 3D glasses while not using them. If you leave 3D glasses on, battery lifespan is shortened.

Anynet+ (HDMI-CEC) (Troubleshooting)

Anynet+ does not work.

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 [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.

I want to start Anynet+.

Check if the Anynet+ device is properly connected to the TV and check if the Anynet+ (HDMI-CEC) is set to On.

(System → Anynet+ (HDMI-CEC))

Open the Tools menu using your remote and then select Anynet+ (HDMI-CEC). Then select a menu you want.

I want to exit Anynet+.

Select **View TV** in the Anynet+ menu.

Go to the **Source** screen using your remote and select a non-Anynet+ device.

The message **Connecting to Anynet+ device ... appears on the screen.**

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+.

The Anynet+ device does not play.

You cannot use the play function when 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. (System → Anynet+ (HDMI-

CEC))

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.

for LED 6100 – 7150 Series and PDP TV The ARC function enables digital output of sound using the **HDMI IN 2(ARC)** port and can only be operated when the TV is connected to an audio receiver that supports the ARC function.

AllShare Play (Troubleshooting)

This file may not be playable properly.

This may appear because of the high bit rate of the content. Content generally will play but could experience some playability issue.

Smart Hub (Troubleshooting)

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 Settings menu.

If network connection doesn't work, your service might be limited, as all functions except the Settings menu need to connect to the Internet.

Web Browser (Troubleshooting)

1. To open **Web Browser**, select **Web Browser** in **Smart Hub**. The **Web Browser** may be displayed differently if the TV is connected to a PC.
2. The **Web Browser** is not compatible with Java applications.
3. When you attempt to download a file, and the file could not be saved, an error message will appear.
4. Access may be blocked to some

websites or to web browsers operated by certain businesses.

5. Playback of Flash video may be restricted.
6. E-commerce, for purchasing products online, is not supported.
7. Scrolling a web page that allows only part (and not all) of the page to be scrolled may cause corrupted characters.
8. ActiveX is not supported.

- 9.** Some options cannot be accessed in Link Browsing mode. (To access such options, switch to Pointer Browsing mode.)
- 10.** Some text may appear corrupted because the number of supported fonts is limited.
- 11.** The response to a command on the remote or the screen display may be delayed temporarily if a web page is currently loading.

- 12.** The loading of a web page may be delayed or stopped with some operating systems.
- 13.** Copy and Paste are not supported.
- 14.** When writing emails or posting messages, some functions (such as changing the size or colors) may not be supported.
- 15.** The number of bookmarks and logs that can be saved is limited.
- 16.** The maximum number of windows

that can open at the same time
may vary depending on browsing
conditions or the TV model.

17.The web browsing speed depends on
the network conditions.

18.PIP will automatically be deactivated
if a video is played in the browser.
Videos may not resume playback
after PIP interruption and you may
need to refresh the page.

19.The Web Browser can play MP3

audio files only.

20. The function for importing or exporting bookmarks is compatible with bookmark files in a particular file format only. (Compatible format: Netscape-bookmarkfile-1)
21. When you import or export bookmarks, the folder tree is not included.
22. If you import the bookmark file to a Computer from the TV, the bookmark

file will be saved in the “Samsung SmartTV Bookmark” folder.

23. If the time is not set in the menu (**System** → **Time** → **Clock**), the history information may not be saved.

24. Visited web site history is saved in chronological order and will be removed from the list by oldest page accessed.

25. Some video or audio content may

not play during Flash playback
depending on the video/audio codec
supported.

26. A sudden change in the picture
brightness inside the video window
may affect the brightness of the
surrounding stationary picture. **for**

PDP TV

27. If you use **QWERTY** keyboard screen
when you use **Web Browser** with **PIP**
function, the **PIP** function turns off

automatically except inputting a URL
address.

Supported Subtitle and AllShare Play file formats

Subtitle

External

- MPEG-4 timed text (.ttx)
- SAMI (.smi)
- SubRip (.srt)
- SubViewer (.sub)
- Micro DVD (.sub or .txt)
- SubStation Alpha (.ssa)
- Advanced SubStation Alpha (.ass)

- Powerdivx (.psb)

Internal

- **Xsub**

Container: AVI

- **SubStation Alpha**

Container: MKV

- **Advanced SubStation Alpha**

Container: MKV

- **SubRip**

Container: MKV

- **MPEG-4 timed text**

Container: MP4

Supported image resolutions

File Extension	Type	Resolution
*.jpg	JPG	15360 x 8640
*.png	PNG	1920 x 1080
*.bmp	BMP	1920 x 1080
*.mpo	MPO	15360 x 8640

Supported music file formats

File Extension	Type	Codec	Comments
*.mp3	MP3	MPEG1 Audio Layer 3	
*.m4a *.mpa *.aac *.3ga	MPEG4	AAC	
*.flac	FLAC	FLAC	The Seek (jump) function is not supported. Supports up to 2 channel
*.ogg	OGG	Vorbis	Supports up to 2 channel
*.wma	WMA	WMA	WMA 10 Pro supports up to 5.1 channel. WMA lossless audio is not supported.

Video Codec

File Extension	Container	Video Codec	Resolution	Frame rate (fps)	Bit rate (Mbps)	Audio Codec	
*.avi *.mkv *.asf *.wmv *.mp4 *.3gp *.vro *.mpg *.mpeg *.ts *.tp *.trp *.m2ts *.mts *.webm *.divx	AVI MKV ASF MP4 3GP VRO VOB PS TS WebM	DIVX 3.11/4.x/5.x/6.1	1920 x 1080	6 - 30	30	AC3 LPCM ADMPCM(IMA, MS) AAC HE-AAC WMA DD+ MPEG(MP3) DTS Core Vorbis	
MPEG4 SP/ASP							
H.264 BP/MP/HP							
			Motion JPEG		640 x 480		8
			Window Media Video v9		1920 x 1080		30
			MPEG2				
			MPEG1				
			VP8				
			VP6		640 x 480		4

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 table above.
- ☞ If the Index Table is damaged, the Seek (Jump) function is not supported.
- ☞ When you play video over a network connection, the video may not be played smoothly.
- ☞ 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 all Video codecs except MVC, VP8, VP6:

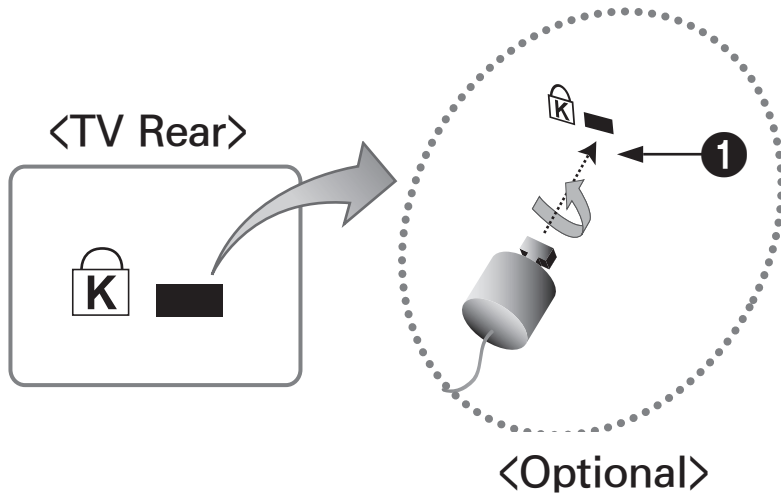
- Below 1280 x 720: 60 frame max
- Above 1280 x 720: 30 frame max
- GMC is not supported.
- Supports only SVAF Top/Bottom and Side by Side.
- Supports only BD MVC Spec.

Audio decoder

- WMA 9, 10 Pro supports up to 5.1 channel and M2 profile (except LBR mode of M0).
- WMA lossless audio is not supported.

- If Vorbis is only in Webm container, supports up to 2 channel.

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.**

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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ABOUT DIVX VIDEO-ON-DEMAND: This DivX Certified® device must be registered in order to play purchased DivX Video-on-Demand (VOD) movies. To obtain your registration code, locate the DivX VOD section in your device setup menu. Go to vod.divx.com for more information on how to complete your registration.

Covered by one or more of the following U.S. patents: 7,295,673; 7,460,668; 7,515,710; 7,519,274



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for LED 6100, 6500 series and above, PDP 6500 series (US)

for LED 6500 series and above, PDP 6500 series (Canada, Mexico)



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