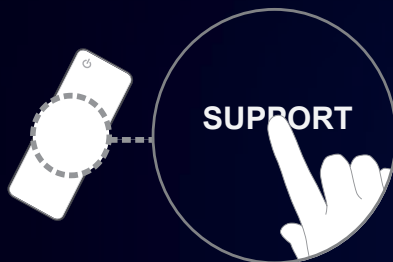


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E-MANUAL



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Model _____ Serial No. _____

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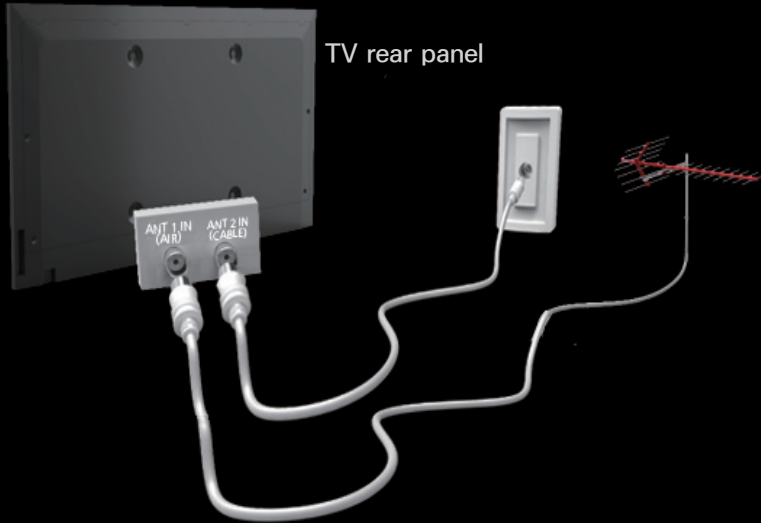
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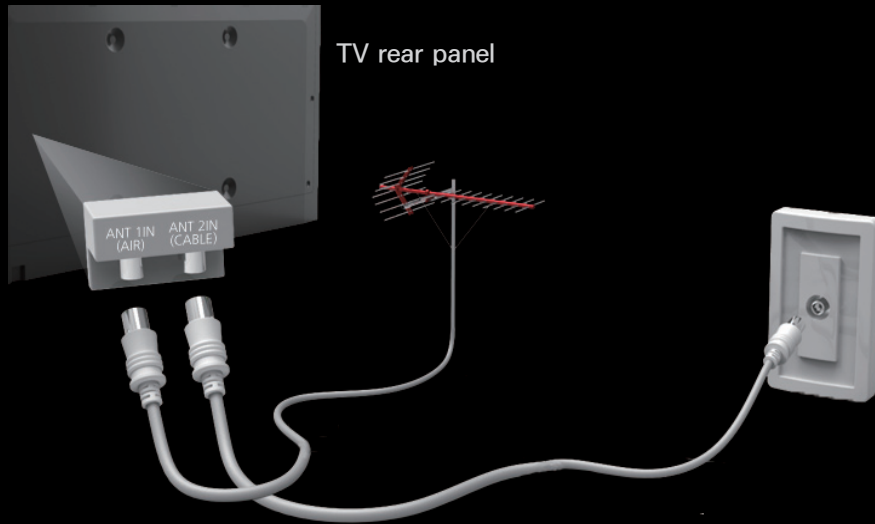
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Connecting the TV

Connecting to an Antenna

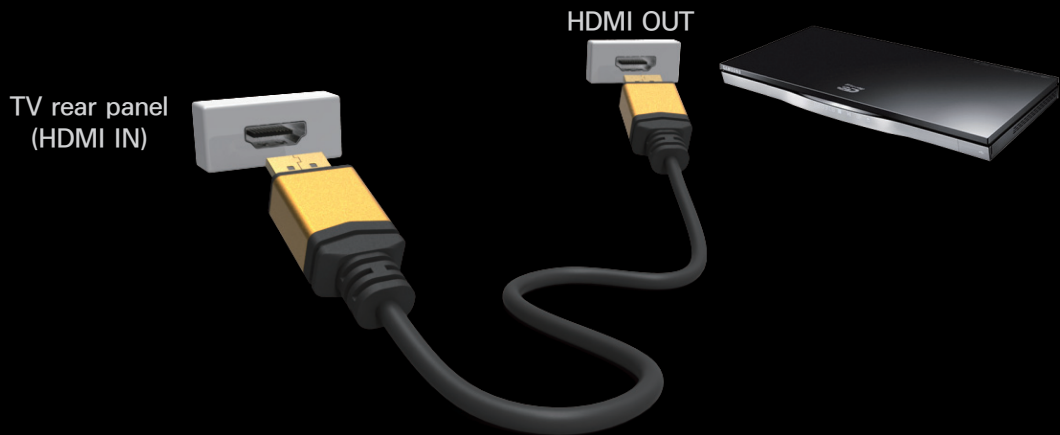




The displayed image may differ depending on the model.

Connecting to an AV Device

Using a HDMI (up to 1080p)



The displayed image may differ depending on the model.

Using an HDMI cable (up to 1080p)

 **HDMI IN 1(DVI), HDMI IN 2(ARC)**

for LED 6100 series and above, HDMI IN 3

LED 4500 without HDMI IN 3

- For better picture and audio quality, connect to a digital device using an HDMI cable.
- An HDMI cable supports digital video and audio signals, and does not require an audio cable.
 - To connect the TV to a digital device

that does not support HDMI output,
use an HDMI/DVI and audio cables.

- The picture may not display normally (if at all) or the audio may not work if an external device that uses an older version of HDMI mode is connected to the TV. If such a problem occurs, ask the manufacturer of the external device about the HDMI version and, if out of date, request an upgrade.
- Be sure to use an HDMI cable with a

thickness of 14 mm or less.

- Be sure to purchase a certified HDMI cable. Otherwise, the picture may not display or a connection error may occur.
- A basic high-speed HDMI cable or one with Ethernet is recommended. This product does not support the Ethernet function via HDMI.
- for PDP PE550 model, LED 6100 Series and above

This product supports the 3D and ARC

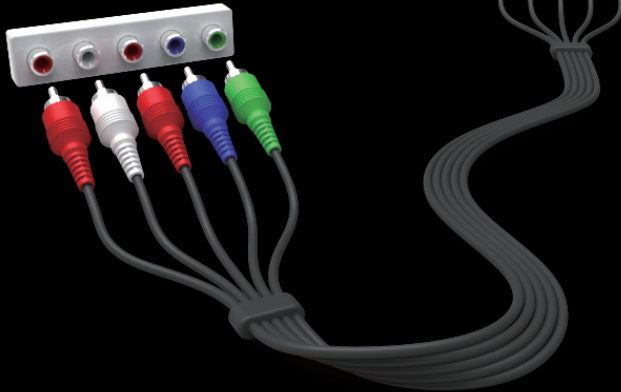
(Audio Return Channel) functions via an HDMI cable. Note that the ARC function is supported by the **HDMI IN 2(ARC)** port only.

- for PDP PE550 model, LED 6100 Series and above

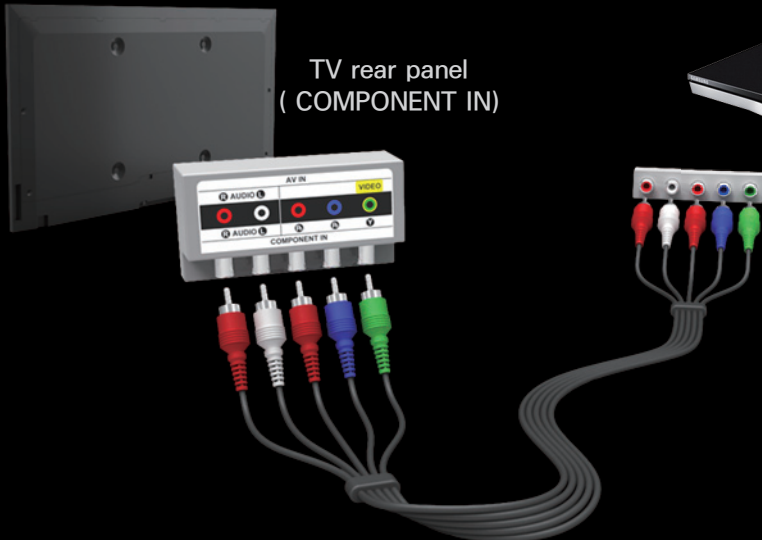
The ARC function allows digital audio to output via the **HDMI IN 2(ARC)** port. It can be enabled only when the TV is connected with an audio receiver that supports the ARC function.

Using a Component (up to 1080p)

TV rear panel
(COMPONENT IN)



TV rear panel
(COMPONENT IN)



The displayed image may differ depending on the model.

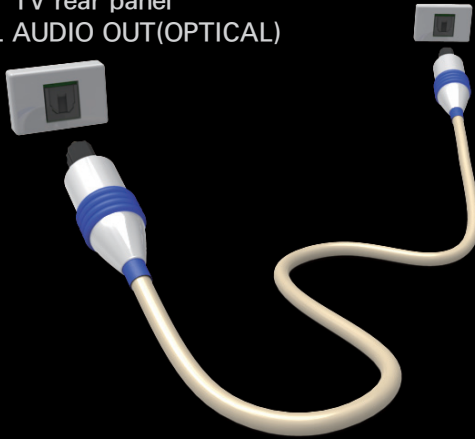
Using a Component (up to 1080p) or an Audio/Video Cable

- ☑ When connecting to **AV IN** or **COMPONENT/AV IN** connect the AV connector (yellow) to the TV jack (Green). (Depending on the model)
- ☑ To obtain the better picture quality, the Component connection is recommended over the A/V connection.

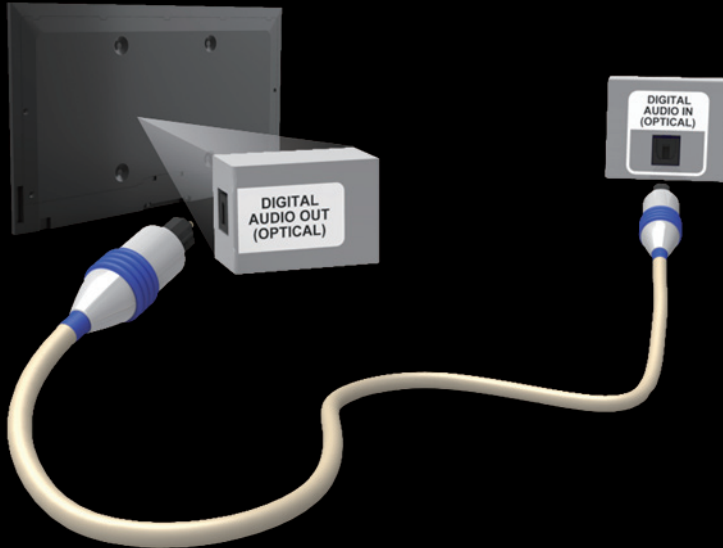
Connecting to an Audio device

Using an Optical (Digital) Connection

TV rear panel
DIGITAL AUDIO OUT(OPTICAL)



TV rear panel
DIGITAL AUDIO OUT(OPTICAL)



The displayed image may differ depending on the model.

DIGITAL AUDIO OUT (OPTICAL)

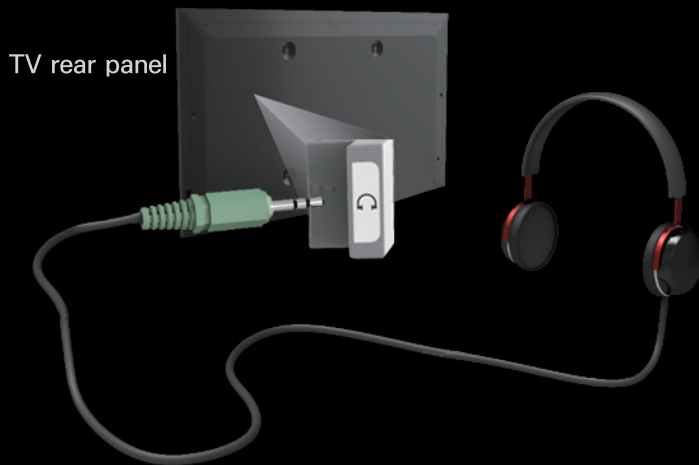
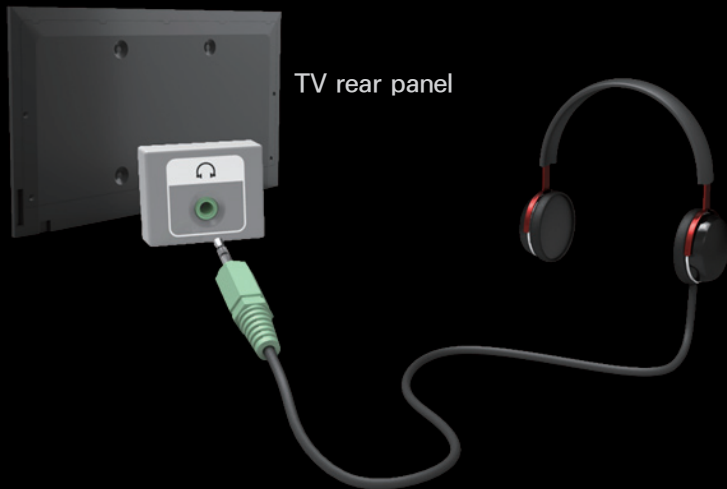
- When you connect a Digital Audio System to the **DIGITAL AUDIO OUT (OPTICAL)** jack, decrease the volume

of both the TV and the system.

- 5.1 CH (channel) audio is available when the TV is connected to an external device supporting 5.1 CH.
- When the receiver (home theatre) is set to on, you can hear sound output from the TV's optical jack. When the TV is receiving a DTV signal, the TV will send 5.1 CH sound to the home theatre receiver. When the source is a digital component such as a DVD / Bluray

player / cable box / STB (Set-Top-Box) satellite receiver and is connected to the TV via HDMI, only 2 CH audio will be heard from the home theatre receiver. If you want to hear 5.1 CH audio, connect the digital audio out jack from your DVD / Blu-ray player / cable box / STB satellite receiver directly to an amplifier or home theatre.

Using a Headphone Connection



The displayed image may differ depending on the model.

It is only available for LED TV.

Headphones 🎧

You can connect your headphones to the headphones output on your set.

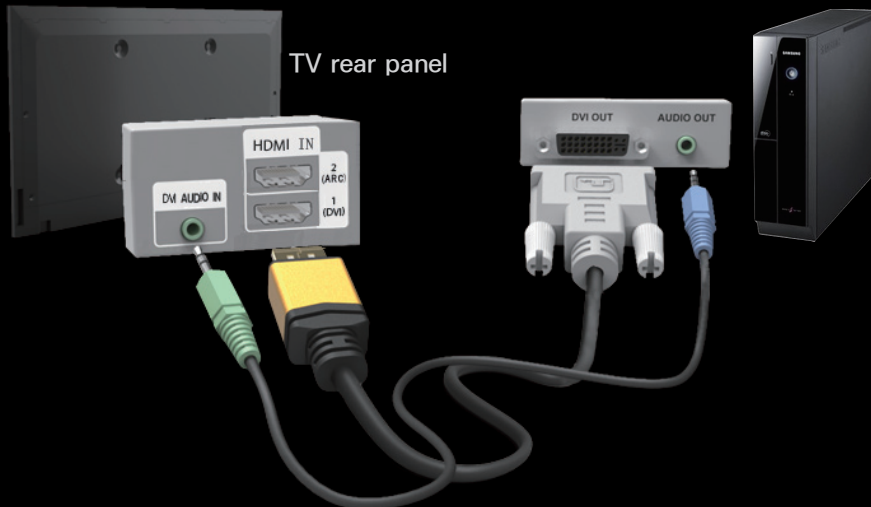
While the headphones are connected, the sound from the built-in speakers will be disabled.

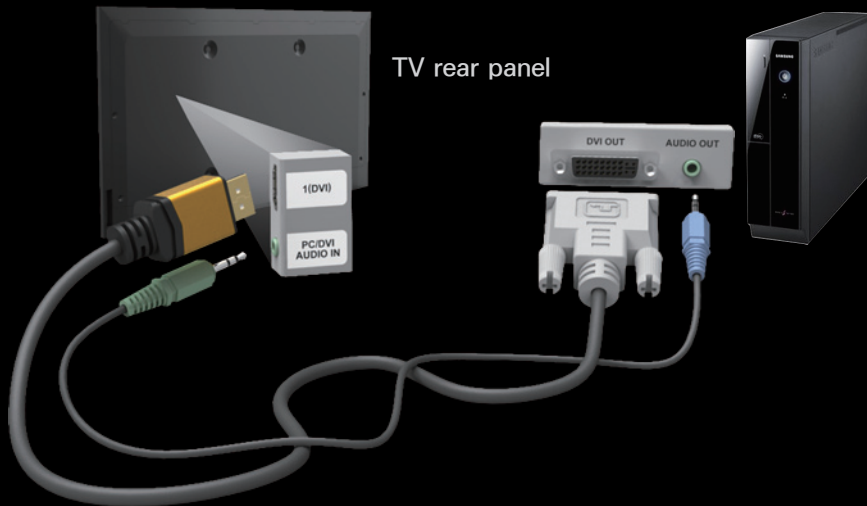
- Sound function may be restricted when connecting headphones to the TV.
- Headphone volume and TV volume are adjusted separately.

- The headphones jack supports only the 3 conductor tip-ring-sleeve (TRS) type.

Connecting to a PC

Using an HDMI/DVI Cable





The displayed image may differ depending on the model.

Using an HDMI cable or an HDMI to DVI cable

Connecting through the HDMI cable may not be supported depending on the PC.

Optimal resolution is 1920 X 1080 @ 60 Hz. (It's 1366*768@60Hz for LED 4500 Series)

- ☑ For HDMI/DVI cable connection, you must use the **HDMI IN 1(DVI)** jack.
- ☑ The interlace mode is not supported.
- ☑ The set might operate abnormally if a non-standard video format is selected.
- ☑ Separate and Composite modes are supported. SOG (Sync On Green) is

not supported.

 PC (D-Sub) input is not supported.


Using the INFO button (Now & Next guide)

The display identifies the current channel and the status of certain audio-video settings.


The Now & Next guide shows daily TV programme information for each channel according to the broadcasting time.

- Scroll ◀, ▶ to view information for a desired programme while watching the current channel. (Depending on the

channel)

- Scroll ▲, ▼ to view information for other channels. If you want to move to the currently selected channel, select  using your remote control.
- Some country, if Digital Text is set to Enable, the EPG (Electronic Programme Guide) will work.
- **A** (Information): Press to show the detailed information.

Using the Channel Menu

Press the  button to select the menu you want to use. Each screen will be displayed.

Guide

 → Guide



The EPG (Electronic Programme Guide) information is provided by broadcasters. Using programme schedules provided by broadcasters, you can specify

programmes you want to watch in advance so that the channel automatically changes to the selected programme channel at the specified time. Programme entries may appear blank or out of date depending on a channel status.

Using Channel View

- **A** (Sche. Mgr): Displays the Schedule Manager.

- **B** (-24 Hours): Viewing the list of programmes to be broadcasted before 24 hours.
- **C** (+24 Hours): Viewing the list of programmes to be broadcasted after 24 hours.
- **D** (Ch. Mode): Select the type of channels you want to display on the Channel View window.
- *i* **Information**: Displays details of the selected programme.


-  **Page**: Move to next or previous page.
-  **Watch / Schedule**: When selecting the current programme, you can watch the selected programme. / When selecting the future programme, you can reserve to watch the selected programme.

Channel

 → **Channel**

Using this function, you can delete

channels, set favourite channels, lock channels, edit the channel number, sort the channels, view the channel information, and edit the channel name for analogue broadcasts.

 The available items may differ depending on the selected aerial source.

- All

Shows all channels.

- TV

Shows TV channels.

- **Data/Other**

Shows data channels and other channels.

- **Analogue**


Shows analogue channels.

- **Favourites 1 - Favourites 5**

Shows all favourite channels, in up to five groups. Each group has separate channels.

 The TV displays favourites only if

you have added favourites using **Edit Favourites** in the **Tools** menu.

 If the highlight located in the **Favourites 1 - Favourites 5** category, you can change the name of category by selecting **B** using your remote control.

- **Recently Viewed**

Shows the most recently viewed channels.

- **Most viewed**

Shows the most frequently viewed channels.

Using the coloured and function buttons with Channel

- **A** Air / Cable

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

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

- **B** Delete

Delete the selected channel(s).

-  Information

Displays details of the selected channel.

-  Page

Scrolls the channel list to the next or previous page.

-  Select / Deselect

Selects or deselects a channel.

-  Tools

Displays the option menu.

-  Return

Return to the previous menu.

Using the Tools menu with the Channel

- Edit Favourites


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

1. Select **Edit Favourites**. The **Edit Favourites** screen appears.



2. Select **A** using your remote control.

The selected channel will be added to the favourite group.

 Also, you can select a channel in the **Edit Favourites** screen.

 You can add a favourite channel to any one of the groups. To change favourites group, select **D** using your remote control. Each time you select **D**, a favourites group will be changed.

3. When done, select **OK**. The channel is made a favourite and is assigned to the favourite group you selected.

 On the Channel screen, the TV displays the “” symbol next to the channel, indicating it is a favourite.

- **Lock / Unlock**

Lock a channel so that the channel cannot be selected and viewed.

 This function is available only when

the Channel Lock is set to On.


- **Rename channel**

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

Lets you assign a name of up to five characters to an analogue channel. For example, Food, Golf, etc. This makes it easier to find and select the channel.

- **Edit Channel Number**

Edit the channel number by select the numbers.

 This function may not be supported depending on the region.

- **Sorting** (digital channels only)

Change the list ordered by name or number.

- **Channel Info**

Displays information of channel signal.

The item may differ depending on channel.

- **Delete**

Delete a channel to display the

channels you want.


- **Select All / Deselect All**


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

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

1. If you want to delete a channel, select a category of the channel.
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 select the selected channel again, a ✓ mark disappears.

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

4. Select **Delete**. The message **Delete the selected channels?** appears.

Select **OK**.


- ☞ You can delete the selected channel immediately by selecting **B** using your remote control.
- ☞ When you delete a channel in the **Recently Viewed** or **Most viewed** category, the channel will disappear from the category list. But, the channel is not deleted.


To set channels as favourites, follow these steps:

1. Select the **All** category.
2. Select a channel. A ✓ mark appears to the left of the channel.
 - ☑ You can select more than one channel.
 - ☑ If you select the selected channel again, a ✓ mark disappears.
3. Open the **Tools** menu using your remote control.
4. Select the **Edit Favourites**. The **Edit Favourites** screen appears.


5. Select **A** using your remote control.

The selected channel will be moved to the favourite group.

 Also, you can select a channel in the Edit Favourites screen.

 You can add a favourite channel to any one of the groups. To change favourites group, select **D** using your remote control. Each time you select **D**, a favourites group will be changed.

6. When done, select **OK**. The channel is made as a favourite and is assigned to the favourite group you selected.

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

Using the coloured and function buttons with Edit Favourites

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

- **A** Add

Add selected channels to the favourites group.

- **D** Change Fav.

Change the favourites group. Each time you select **D** using your remote control, the favourites group changes.

- **0~9** Go To

You can enter a channel number immediately using your remote

control.

- ↶ Return

Return to the previous menu.

- When you highlight a favourite channel in a favourites group on the **Edit Favourites** screen, you can use these options:

- **A** Delete

Delete the selected channel.

- **B** Change order

Change the favourite group list

order.

– **C** Copy

Copy a selected channel to other favourites groups.

– **D** Change Fav.

Change the favourites group. Each time you select **D** using your remote control, the favourites group changes.

– **0~9** Go To

You can enter a channel number


immediately using your remote control.



– ↶ Return

Return to the previous menu.

To remove a channel from a favourites group, follow these steps:

1. Select the favourite's group category.
2. Select a channel in the favourites group. A ✓ mark appears to the left of the channel.


 You can select more than one channel.

 If you select the selected channel again, a  mark disappears.

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

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

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

 You can delete the selected channel from the list of favourites group immediately by selecting **B** using your remote control.

Display Icons Used in the Channel screens

: An analogue channel.

: A channel selected.


: A favourite 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. On the Schedule Manager screen, select **A** using your remote control.

2. A pop up screen will appear. Select **Schedule Viewing**.


3. Set **Aerial**, **Channel**, **Repeat**, and **Start Time**.


- **Aerial**

Select the desired aerial source.

- **Channel**

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

 You can only select memorised channels.

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


- **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.

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

- **Start Time**

You can set the start time you want.

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

- ☞ On the **Schedule Manager** screen, you can view a list of **Schedule Viewing**.
- ☞ If you select **Information** function using your remote control after highlight 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.

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

1. On the **Schedule Manager** screen, highlight an item you want to delete.
2. Open the **Tools** menu using your

remote control.

3. Select the **Cancel schedule**. The **Cancel selected list(s)?** message appears.

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

To use the **Schedule Recording**, follow these steps:

(Digital channels only)

Allows you to make a reservation to

record a programme scheduled for broadcast.

Set the current time first to use this function.

1. Select **Schedule Manager**. The **Schedule Manager** screen will be displayed.
2. Select **A** using your remote control.
A pop up screen will appear.
3. Select the **Schedule Recording**.

 We recommend using a USB

HDD with at least 5,400 rpm, but a USB HDD of RAID type is not supported.

☒ More than 3TB USB HDD is not supported.

☒ A USB storage device cannot record until it completes the **Device Performance Test**.

☒ USB memory stick is not compatible.

4. Set the **Aerial, Channel, Repeat, Date,**

Start / End Time.

- ☞ If you want to play a recorded programme, refer to **Recorded TV** in the e-Manual.

Channel List


Using this function, you can view the channel list, programme information, favourite channel, and manage of schedule viewing.

1. Press the **CH LIST** button. The

Channel List screen is displayed immediately.

2. Change a channel or channel list mode.

Using the coloured and function buttons with the Channel List

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

- **C** Programme View / Channel View

Displays the programme when digital channel is selected. / Returns to the channel view.

- ◀▶ Ch. Mode / Channel

Move to the type of channels you want to display on the Channel List screen. / On Programme View screen, change a channel.

- 📺 Watch / Information

Watches the channel you select. / Displays details of the selected

programme.

-  Page

Move to next or previous page.

Using the Schedule Viewing in Channel List

(Digital channels only)


You can use **Schedule Viewing in Channel List** to schedule a digital channel programme for viewing.

The TV will turn on and display the digital channel programme when the

programme begins.

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

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

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

Channel Status Display Icons

: An analogue channel.

: A reserved programme.

: A reserved recording programme.

🔒: A locked channel.

Memorizing Channels

Aerial

Menu → Channel → Aerial

Before your television can memorize the available channels, you must select your TV's signal source, **Air** (using an antenna) or **Cable**. Select **Air** or **Cable**.

After you have selected the signal source, go on to the **Auto Tuning** function.

✍ Selecting the signal source using the **Aerial** 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 Tuning

Menu → Channel → Auto Tuning

Scans for a channel automatically and

stores in the TV.

☞ Automatically allocated programme numbers may not correspond to actual or desired programme numbers. If a channel is locked using the **Channel Lock** function, the PIN input window appears.

- **Digital & Analogue / Digital / Analogue:**
Select the channel source to memorise.
scan for cable channels.

☞ It's only available to choose

Analogue under Cable source.

- ☑ It may be different depending on the regions and country.

Manual Tuning

Menu → Channel → Manual Tuning

Scans for a channel manually and stores in the TV.

- ☑ If a channel is locked using the Channel Lock function, the PIN input window appears.

- ☒ This function may not be supported depending on the region.

When Aerial Source is set to Air or Cable

- **Digital Channel Tuning:** Scans for a digital channel.
 - ☒ The **Bandwidth** function may not be supported depending on the region.

1. Select the **New**.

- ☒ When selecting **Aerial** → **Air**:

Channel, Frequency, Signal Quality

2. Select the **Search**. When scanning has finished, a channel is updated in the channel list.

- **Analogue Channel Tuning**: Scans for a analogue channel.

1. Select the **New**.

2. Set the **Programme, Colour System, Sound System, Channel and Search**.

3. Select the **Store**. When scanning has finished, a channel is updated in the channel list.

Channel mode

- **P** (programme mode): When tuning is complete, the broadcasting stations in your area have been assigned to position numbers from P0 to P99. You can select a channel by entering the position number in this mode.
- **C** (aerial channel mode) / **S** or **Z** (cable channel mode): These two modes allow you to select a channel by entering the assigned number for

each aerial broadcasting station or cable channel.

- ☒ It may be different depending on the regions and country.

Other Features

Guide Type (Guide/Auto)

Menu → Channel → Guide Type

(Depending on the country)

Select to use either the built-in or downloaded guide.

Clear Scrambled Channel

Menu → Channel → Clear Scrambled
Channel

(It may be not supported in some regions.)

Remove scrambled channels from your Auto Tune channel list.


Fine Tune


Menu → Channel → Fine Tune

(Analogue 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.

 Settings are applied to the channel you're currently watching.

 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 the fine-tuning, select the

Reset.

LNA (Off / On)

Menu → Channel → LNA

If the TV is operating in a weak-signal area, the LNA function can improve the reception (a low-noise preamplifier boosts the incoming signal).

Changing the Preset Picture Mode

Picture Mode

Menu → Picture → Picture Mode

Picture modes apply preset adjustments to the picture.

- **Dynamic**

Suitable for a bright room.

- **Standard**

Suitable for a normal environment.

- **Natural** For PDP and LED 4500, this function is

not supported.

Suitable for reducing eye strain.


 It's not available for PDP TV.

- **Movie**

Suitable for watching movies in a dark room.

- **Entertain**

Suitable for watching movies and games.

 Only available when the TV is connected to a PC via an HDMI to

DVI cable.

Adjusting Picture Settings

Backlight

Menu → Picture → Backlight Available for LED

TV / Cell Light Available for PDP TV

Adjusts the pixel brightness. 20 is the brightest setting.

Contrast

Menu → Picture → Contrast

Adjusts contrast level. Values closer to

100 mean bigger light/dark contrast.

Brightness

Menu → Picture → Brightness

Adjusts brightness level. Values closer to 100 mean brighter screen.

Sharpness

Menu → Picture → Sharpness

Adjusts sharpness of picture. Values closer to 100 mean a sharp image.

Colour

Menu → Picture → Colour

Adjusts colour saturation level. Values closer to 100 mean more intense colours.

Tint (G/R)

Menu → Picture → Tint (G/R)

Adjusts tint levels for green and red. Values closer to 100 mean greater


intensity for that colour.

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 control.

 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, **Colour** and **Tint (G/R)** may not be 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

(It may be different depending on the regions and country.)

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

- **Picture Size**

Your cable box / satellite receiver may

have its own set of screen sizes as well. However, we highly recommend you use 16:9 mode most of the time.


Auto Wide: Automatically adjusts the picture size to the 16:9 aspect ratios.

16:9: Adjusts the picture size to 16:9 for DVDs or wide broadcasting.

Wide Zoom: Magnifies the picture size more than 4:3.

Zoom: Magnifies the 16:9 wide pictures vertically to fit the screen size.

4:3: The default setting for a movie or normal broadcasting.

 Do not watch in 4:3 format for a long time. Traces of borders displayed on the left, right and centre of the screen may cause image retention (screen burn) which is not covered by the warranty.

Screen Fit: Displays the full image without any cut-off when HDMI (720p / 1080i / 1080p), DTV (1080i, 1080p) or

Component (1080i / 1080p) signals are inputted.

• **Smart View 1:** Reduces the 16:9 picture by 50%

• **Smart View 2:** Reduces the 16:9 picture by 25%

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

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

☑ **Screen Fit**, just available for LED TV.

When PDP model play video from Allshare , Smart View1 and Smart View2 are available.

☑ The picture size can vary when you play content from Videos in AllShare Play.

- Zoom/position

Adjusts the picture zoom and position. Zoom is only available if Picture Size is set to Zoom. Position is only available if Picture Size is set to Wide Zoom or

Zoom.

To use the Zoom function after selecting Zoom, follow these steps:

1. Select Zoom.
2. On the Zoom/position screen, select Zoom, and then zoom in or zoom out using your remote control.
3. When done, select Zoom again, and then select Close.
4. To reset the picture, press Reset.

To use the Position function after selecting Wide Zoom or Zoom follow these steps:

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

4. To reset the picture position, select
Reset.

Picture Sizes available by Input Source:

- **ATV, AV: 16:9, Wide Zoom, Zoom, 4:3**
- **Component (480i, 480p, 576i, 576p): 16:9, Wide Zoom, Zoom, 4:3**
- **Component(720p ,1080i,1080p): 16:9, Wide Zoom, Zoom, 4:3, Screen Fit**

Only for LED TV

- HDMI (720p, 1080i, 1080p): 16:9, Wide Zoom, Zoom, 4:3, Sreen Fit, Smart View 1, Smart View 2
- DTV (1080i): Auto Wide, 16:9, Wide Zoom, Zoom, 4:3, Sreen Fit, Smart View 2
- ☑ Screen Fit, Smart View 1 and Smart View 2 are only available 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-DVI cable, you can only make changes to **White Balance** and **Gamma**.

- **Dynamic Contrast (Off/Low/Medium/High)**

Adjusts the screen contrast.

- **Black Tone (Off/Dark/Darker/Darkest)**

Select the black level to adjust the screen depth.

- **Flesh Tone**


Emphasizes pink “Flesh Tone.”


- **RGB Only Mode (Off/Red/Green/Blue)**

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

- **Colour Space (Auto/Native/Custom)**

Adjusts the range and variety of colours (the colour space) available to create images.

 To adjust **Colour, Red, Green, Blue** and **Reset**, set the **Colour Space** to **Custom**.

 Custom is only available for LED 6100 and above Series.

- **White Balance**

Adjusts the colour temperature for a more natural picture.

R-Offset / G-Offset / B-Offset:

Adjusts each colour's (red, green, blue) darkness.

R-Gain / G-Gain / B-Gain: Adjusts each colour's (red, green, blue) brightness.

Reset: Resets the White Balance to its

default settings.

- **10p White Balance** For LED 4500 - 5500 Series: This function is not supported.

✎ It is not available for PDP TV.

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 source.

✎ 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 colour intensity.

- **Expert Pattern** **Not available for PDP TV**

For LED 4500 - 5500 Series: This function is

not supported.

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 colours.

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

- **xvYCC** Not available for PDP TV

For LED 4500 - 5500 Series: This function is not supported.

Setting **xvYCC** on increases picture detail and enlarges the colour 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 (Off/On)**

Reduces power consumption by reducing screen brightness when the picture on the screen is in motion.


☒ This feature is not supported in **3D** mode.

☒ Only available in **Standard** mode.

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 **Colour Tone**.

- **Colour Tone (Cool/Standard/Warm 1/Warm 2)**

Select the colour temperature.

- ☑ Warm1 or Warm2 will be 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 Source and then adjust the settings.
- Digital Noise Filter (Off/Low/Medium/High/Auto/Auto Visualisation)


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 Visualisation: When changing analogue channels, displays signal strength.

☑ When the signal is weak, try all the options until the TV displays the best picture.

☑ Only available for analogue channels.

 When the bar is green, you are receiving the best possible signal.

- **MPEG Noise Filter (Off/Low/Medium/High/Auto)**

Reduces MPEG noise to provide improved picture quality.

- **HDMI Black Level (Low/Normal)**

Lets you adjust the screen depth by selecting a black level.

 Available only in HDMI mode.

- **Film Mode (Off/Auto 1/Auto 2)**

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

 Available in TV, AV, Component (480i / 1080i) and HDMI (1080i).

- Motion Plus (Off/Clear/Standard/Smooth/Custom/Demo)

Not available for PDP TV

For LED 4500 - 5500 Series : This function is not supported.

Removes drag from fast scenes with a lot of movement to provide a clearer picture.

☑ The Info screen on your TV displays the resolution and frequency of the incoming signal (60Hz), but not the frequency the TV is generating for the image it is displaying by using **Motion Plus** function.

☑ If noise occurs on the screen, please set up the **Motion Plus** to **Off**. If

Motion Plus is Custom, you can set up the Blur Reduction, Judder Reduction or Reset manually.

☑ If Motion Plus is Demo, you can compare the difference of on and off modes.

Blur Reduction: Adjusts the blur reduction level from video sources.

Judder Reduction: Adjusts the judder reduction level from video sources when playing films.

Reset: Reset the custom settings to the factory defaults.

☑ The info screen on your TV displays the resolution and frequency of the picture the TV is displaying when you have **Motion Plus** on.

☑ If noise occurs on the screen, please set **Motion Plus** to **Off**. If **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 **Motion Plus** is set to Demo, you can compare the difference between a picture with **Motion Plus On** and **Motion Plus Off**.

- **LED Motion Plus**

For LED 4500 Series: This function is not supported.

Removes drag from fast scenes with a lot of movement to provide a clear 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**

Provides the best sound for movies.

- **Amplify**

Increase the intensity of high-frequency sound to allow 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 (Off/On)**

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 (Off/On)**

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

- **Equaliser**

The **Equaliser** displays a series of sliders. Use the ◀/▶ buttons to select

a slider, and then change the slider's value. To **Reset the Equaliser**, 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 volume level of specific bandwidth frequencies.

Reset: Resets the equalizer to its default settings.


Broadcast Audio Options

Menu → Sound → Broadcast Audio Options

- **Audio Language**

(Digital channels only)


Change the default value for audio languages.

 The available language may differ depending on the broadcast.

- **Audio Format**

(Digital channels only)

When sound is emitted from both the main speaker and the audio receiver, a sound echo may occur due to the decoding speed difference between the main speaker and the audio receiver. In this case, use the TV Speaker function.


 **Audio Format** option may differ depending on the broadcast. 5.1ch Dolby digital sound is only available

when connecting an external speaker through an optical cable.

- **Audio Description**

(Not available in all locations) (Digital channels only)

This function handles the Audio Stream for the AD (Audio Description) which is sent along with the Main audio from the broadcaster.

 **Audio Description (Off / On):** Turn the audio description function on or

off.

- ☑ **Volume:** Adjust the audio description volume.

Additional Settings

Menu → Sound → Additional Settings

- **DTV Audio Level**

(Digital channels only)

This function allows you to reduce the disparity of a voice signal (which is one of the signals received during a digital

TV broadcast) to a desired level.

☑ According to the type of broadcast signal, **MPEG / HE-AAC** can be adjusted between -10dB and 0dB.

☑ To increase or decrease the volume, adjust between the range 0 and -10 respectively.

- **SPDIF Output**

SPDIF (Sony Philips Digital InterFace) is used to provide digital sound, reducing interference going to speakers and

various digital devices such as a DVD player.

- **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 control (0ms ~ 250ms).

- **Dolby Digital Comp**

This function minimizes signal disparity between a dolby digital signal and a voice signal (i.e. MPEG Audio, HE-AAC, ATV Sound).

 Select Line to obtain dynamic sound, and RF to reduce the difference between loud and soft sounds at night time.

Line: Set the output level for signals greater or less than -31dB (reference) to either -20dB or -31dB .

RF: Set the output level for signals greater or less than -20dB (reference) to either -10dB or -20dB .

Speaker Settings

Menu → Sound → Speaker Settings

- Speaker Select (External Speaker/TV Speaker)

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 (Off/Normal/Night)**

Normal: Automatically equalizes the volume level when switching to another channel.

Night: Automatically equalizes and

decrease the volume level on each channel, so each channel is quieter.

Night is useful at night, when you may want to keep the volume 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 an 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.

☞ For an illustration of the wireless network connection, see your paper user's manual.

☞ **for LED 4500 - 5500 Series** To connect your TV to your network wireless, you need a wireless router or modem and a Samsung Wireless LAN adapter (WIS10ABGN or WIS12ABGNX), which you connect to your TV's USB port. Samsung Wireless LAN adapter is sold separately and is offered by


selected retailers, Ecommerce sites and Samsungparts.com.


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.

 **for LED 4500 - 5500 Series** The Samsung Wireless LAN Adapter and the USB extension Cable are sold separately and are offered by select retailers, Ecommerce sites and Samsungparts.com.

 **for LED 4500 - 5500 Series** Ensure the TV is turned on before you connect the Samsung Wireless LAN adapter.

 **for LED 4500 - 5500 Series** The Samsung

Wireless LAN adapter may not be recognized when using a connection via a USB hub or via a USB extension cable other than the cable supplied.

- ☑ 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 wireless 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

 Plug & Access need the Samsung wireless router supported for Plug & Access function. There may be not this kind of wireless router sold in

some regions and countries.

Notice for LED 4500 - 5500 Series

The picture may appear corrupted or have static for some channels when the TV is connected to the Samsung Wireless LAN adapter. If this occurs, establish a connection using one of the following methods or connect the Samsung Wireless LAN adapter using a USB cable in a place that is not

affected by radio interference.

- **Method 1:** Connecting the Samsung Wireless LAN adapter using the USB right angle adapter.

To connect the Samsung Wireless LAN adapter using the USB right angle adapter, follow these steps:

1. Connect the USB right angle adapter to the Samsung Wireless LAN adapter.

2. Connect the other end of the right angle adapter to the USB port.
- **Method 2: Connecting the Samsung Wireless LAN adapter via an extension cable.**

To connect the Samsung Wireless LAN adapter using the extension cable, follow these steps:

1. Connect the extension cable to the USB port.

2. Connect the extension cable and Samsung Wireless LAN adapter.
3. Attach the Samsung Wireless LAN adapter to the back of the TV near the top, using double-sided adhesive tape.

Setting up a Wired Network

Network Settings

Menu → Network → Network Settings

Set up the wired or wireless 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 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 control.

6. Enter the first portion of the **IP Address** (for example, 105) into the first entry field using your remote control. 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.

Network Status

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 the Wireless Network

Network Settings

Menu → Network → Network Settings

Set up the wired or 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 wireless security for the router,

enter the Security Key (Security key or PIN).

- ☑ You can enter the Security Key (Security key or PIN) using a keyboard screen. Enter the Security Key using your remote control.
- ☑ 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**. 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.

 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 wireless security for the router, enter the **Security Key** (or PIN).
 -  You can enter the **Security Key** (or PIN) using a keyboard screen.

Enter the Security Key using your remote control.

 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**. 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 control.

10. Enter the first portion of the **IP Address** (for example, 105) into the first entry field using your remote control. 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.

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 the **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 (sold separately) 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.
- ☑ Samsung router may not be bought in some regions.


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**.



for LED 4500 - 5500 Series You can use

this function when connecting the Samsung Wireless LAN Adapter. (May not be available, depending on your model.)

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 devices and then displays the devices on the **Wi-Fi Direct** screen.

3. Turn on the **Wi-Fi Direct** function on your device. Select the desired **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**.
- ☑ The TV and BD products perform the role of the Group Owner. If a TV or BD is connected via **Wi-Fi Direct**, the connected device is represented as a Group Owner in the **Wi-Fi Direct** list. However, even in this case, the TV cannot connect to another TV or BD

through **Wi-Fi Direct**.

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

- If the security key is not at least 8 characters long, **Done** is not available.

- To connect a mobile device to the TV, you must input the security key into the device.
- If network does not operate correctly, check the security key again. An incorrect security key may cause a malfunction.

Using Wi-Fi Direct or Soft AP, you can share data through AllShare Play.

(For only some of the mobile device

models among the mobile device models supporting **Wi-Fi Direct** or **Soft AP.**)

	Wi-Fi Direct	Soft AP
Number of Wi-Fi devices that can be connected	Up to 5	Up to 5
Data sharing	Supported through AllShare only for supported mobile device models.)	Only through AllShare

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 AllShare Play Functions.

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 manually 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 current time will appear every time you select **INFO** using your remote control.

- **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.

Clock Mode: Set the current time manually or automatically.

- **Auto:** The TV sets the current time automatically using the time from a digital channel.


 You must have the cable or an aerial connected to the TV to set the time automatically.
(Depending on the channel)

 Depending on the broadcast

station and signal, the auto time set up may not be correct. In this case, set the time manually.


- **Manual:** Set the current time manually.

Clock Set: Set the **Date** and **Time** manually. You can set the current date and time using your remote control.

 Available only when the **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 control. 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, AV, 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 choose

the days you want **On Timer** to turn on your TV.

 The  mark indicates days you've selected.

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

Volume: Set the desired volume level. Change the volume level using your remote control.

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/ DVI, 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**, the **Aerial** and **Channel** options will disappear.

Aerial (when the **Source** is set to **TV**):
Select **Air**, **DTV 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 the 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 the USB device, follow these steps:

1. Select **Music**. The TV displays a single folder (the Root folder) and the type or name of the device.

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, move the highlight to the **Select**, and then select the Root folder. 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, highlight the **Select** 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 types 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, 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 play 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 Programmes

Security

Menu → System → Security


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

Every time you access the Security functions, the PIN screen will appear and you must enter that PIN. If you have not changed the PIN, enter the default PIN, 0-0-0-0. The PIN screen

closes and the **Security** menu appears.

- **Channel Lock (Off / On)**

Lock channels in **Channel** menu, to prevent unauthorized users, such as children, from watching unsuitable programme.

 Available only when the **Source** is set to **TV**.

- **Change PIN**

The **Change PIN** screen will appear.

Choose any 4 digits for your PIN and

enter them in the **Enter New PIN**. Re-enter the same 4 digits in the **Confirm New PIN**. When the Confirm screen disappears, select **Close**. The TV has memorised your new PIN.

 The default PIN number is “0-0-0-0”.

Economical Solutions

Eco Solution

Menu → System → Eco Solution


- Energy Saving (Off/Low/Medium/High/
Picture Off)

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 (Off/On)**

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

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

Min. Backlight **Available for LED TV** / **Min**

Cell Light Available 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 surrounding light intensity. You can control the screen's minimum brightness with the **Min.**

Backlight Available for LED TV / **Min**

Cell Light Available for PDP TV function.

- No Signal Power Off (Off/15 min./30 min./60 min.)

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

- 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 programme 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 programmes from the

cable box and a movie from a Blu-ray player attached to the HDMI In jack.

☒ While **Smart Hub** or **Programme Rating Lock** is on, you cannot use the **PIP**.

- **PIP**

Activate or deactivate the **PIP** function.

- **Air/Cable**

Select the ariel of **Air** or **Cable**.

- **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.

– Main picture: Component, HDMI

– Sub picture: TV

☞ 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.

Other Features

Language

Menu → System → Language

- **Menu Language**

Set the menu language.

English is the default in cases where the selected language is unavailable in the broadcast.

- **Preferred Language (Primary Audio/
Secondary Audio/Primary Subtitle/**

Secondary Subtitle)

Select a language, which will be the default language when a channel is selected.

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, 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. **for 6100 and**

above Series If you want to use a USB keyboard, connect it to the USB port. If

you want to use a Bluetooth keyboard, connect it using the Bluetooth function.

 You can use the keyboard only when the **QWERTY** keypad 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

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 what a type of keyboard you're using to enter text.
- **Switch Input Language:** Select a key sequence to change switching 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. 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.

Bluetooth mouse is only available for LED 6100 and above series.

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

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 a primary button you selected.

The **Go To** pop-up appears.

3. Click a menu you wish, and then you can use the menu to same way as on a PC.

Subtitle (Off/On)

(On-Screen Text Messages)

Menu → **System** → **Subtitle**

Use this menu to set the **Subtitle** mode.

- **Subtitle**


Switches subtitles on or off.

- **Subtitle Mode(Normal/Hearing Impaired)**

Sets the subtitle mode.

- **Subtitle Language**

Sets the subtitle language.

 If the programme you are watching does not support the **Hearing Impaired** function, **Normal** automatically activates even if the **Hearing Impaired** mode is selected.

 English is the default in cases where

the selected language is unavailable
in the broadcast.

Digital Text

Menu → System → Digital Text

- ☑ The **Digital Text** function may not be supported depending on the region.

If the programme broadcasts with digital text, this feature is enabled.

MHEG (Multimedia and Hypermedia Information Coding Experts Group):

An International standard for data

encoding systems used in multimedia and hypermedia. This is at a higher level than the MPEG system which includes data-linking hypermedia such as still images, character service, animation, graphic and video files as well as multimedia data. MHEG is user runtime interaction technology and is being applied to various fields including VOD (Video-On-Demand), ITV (Interactive TV), EC (Electronic Commerce),

teleeducation, tele-conferencing, digital libraries and network games.

Auto Protection Time (Off/2 hours/4 hours/8 hours/10 hours)

Only available for LED TV

Menu → System → 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.

Screen Burn Protection

Only available for PDP TV

Configure Pixel Shift to prevent screen damage.

- **Pixel Shift (On/Off)**
 - Shift On-screen image by pixel to prevent screen damage.

Horizontal (0/1/2/3/4)

- Shift On-screen image from side to

side to prevent screen burn.

Vertical (0/1/2/3/4)

- Shift On-screen image vertically to prevent screen burn.

Time (1min/2min/3min/4min)

- Configure time settings for Pixel Shift.

- Auto Protection Time

(Off/10min/20min/40min/1hour)

Choose how long it will take the screen saver to activate if the on-screen image

remains the same. (If the same image remains on the screen for more than 20min, an afterimage may occur.)

- **Scrolling**

Display moving patterns to remove residual images on the screen.

- **Side Grey (Light/Dark)**

Prevent screen burn by turning the "sidebars" gray when viewing in 4:3 picture aspect ratio.

General

Menu → System → General

- Game Mode (Off/On)

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

Precautions and limitations for Game Mode

- Before disconnecting a game console and connecting 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 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 (Off/On)**

for LED 4500 - 5500 Series: This function is not supported.

Provides the optimal picture quality for Samsung DVD, Blu-ray, and Home Theatre products which support **BD Wise**. When the **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 (High/Medium/Low)**

Adjust transparency of menu box.

- **Sound Feedback (Off/Low/Medium/High)**

Your TV gives sound feedback when you use TV. **Sound Feedback** is enabled by default. Turn off **Sound Feedback** or adjust its volume.

- **Panel Lock (Off/On)**

Lock or unlock all the keys on the TV Controller at once. When **Panel Lock** is on, the TV Controller does not operate.

- **Boot Logo (Off/On)**

Displays the Samsung logo when the TV is turned on.

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 control.

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 Media 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 and 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 Centre for assistance.

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

- **Sound Test**

Use the built-in melody to check for sound problems.

☑ If you hear no sound from the TV's speakers, before performing the sound test, make sure **Speaker Select** is set to **TV Speaker** in the **Sound** menu, and then try the speakers again.

☑ You will hear the melody during the test even if you have set **Speaker Select** to **External Speaker** or have muted the sound.

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 Centre 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 aerial to increase signal strength and receive HD channels.

- **Reset**

Reset all setting 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 control.
 - ☑ 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 settings except network 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 five ways:

- By USB
- Online
- By Channel It may be not supported depending on your country or area.
- Alternative Software
- Standby Mode Upgrade

The five 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 the By USB, follow these steps:

1. Visit www.samsung.com.
2. Download the latest USB software upgrade exe archive to your computer.
3. Extracts the exe archive to your computer. You should have a single folder with the same name as the


exe file.

4. Copy the folder to a USB flash drive.

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

6. In the TV's menu, go to **Support** → **Software Upgrade**.

7. Select the **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 Network" instructions.

To upgrade using the Online, follow these steps:

1. Select the **Online**. The Connecting to Server message appears.
2. If there is a download available, the Download popup 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.

- **By Channel**

Upgrade the software using the broadcasting signal.

☑ If the function is selected during the software transmission period, software will be automatically searched and downloaded.

☑ The time required to download the software is determined by the signal status.

- **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 the Standby Mode Upgrade.
2. Select Off, 1 hour later, 2 hours later, 12:00 AM, 02:00 AM, 12:00 PM, 02:00 PM.
 - Off: If you select Off, the TV will

notify you with a pop up message when new upgrade software is available.

- 1 hour later/ 2 hour later/ 12:00 AM/ 02:00 AM/ 12:00 PM/ 02:00 PM: A manual upgrade will be automatically performed at selected time. Since the power of the unit is turned on internally, the screen may be turned on slightly for the TV. This phenomenon may

continue for more than 1 hour until the software upgrade is complete.

- 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 centres and how to download products and software.

Remote Management

Menu → Support → Remote Management

Remote Management lets our Call Centre access and control your Samsung Product remotely to troubleshoot a problem. Use Remote Management only when you have a

problem, and contact our Call Centre first, before you activate Remote Management.

You can find the current number of our Call Centre 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 the Smart Hub, see “[Smart Hub](#)” in the e-Manual.

Using the 3D function

for LED 4500 - 5500 Series : This function is not supported.

3D

Menu → Picture → 3D

This exciting new feature enables you to view 3D content. To fully enjoy this feature, you must 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.

: Turns the 3D function off.

: Changes a 2D image to 3D.




: Displays two images next to each other.

: Displays one image above another.

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

 Some file formats may not support



 The  and  are available when the resolution is 720p, 1080i and 1080p in DTV, HDMI and USB mode or when your PC is connected through

an HDMI/DVI cable.

- **3D Perspective**

Adjusts overall 3D perspective of on-screen image.

- **Depth**

Adjusts overall depth.

- **L/R Change**

Swaps the left and right pictures.

- **3D Optimisation** **Only for LED TV**

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

3D-Supported resolutions (16:9 only)

Resolution	Frequency (Hz)
1280 x 720p	60 Hz
1920 x 1080i	60 Hz
1920 x 1080p	25 Hz

Resolution supported for HDMI PC mode

The optimal resolution for 3D in the HDMI PC mode is 1920 x 1080.

If the input resolution is not 1920 x 1080, the TV may not display images



properly in 3D display or full screen mode.

How to watch the 3D images

Some 3D modes may not be available depending on the format of the image source.

To watch in 3D, you must wear 3D Active Glasses and turn the glasses on by pressing the power button.

1. 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 control.

Supported formats and operating specifications for Standard HDMI 3D

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

Source signal format	Standard HDMI 1.4 3D
1920x1080p @ 24Hz x 2	1920x2205p @ 24 Hz
1280x720p @ 50/60Hz x 2	1280x1470p @ 50/60 Hz

For the Standard HDMI 3D format with 24Hz, the TV is optimized as follows:

- **Resolution First Display Mode:** If **Motion Plus** **Only for LED TV** is set to **Off**, **Clear** or **Standard**, you can watch the video at a high resolution optimized to the resolution of the source video.
- **Judder Reduction Display Mode:** When **Motion Plus** **Only for LED TV** is set to **Smooth** or **Custom**, you can watch a smooth picture without judder.

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 memorised 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 device turned on near the glasses or TV. If there is a problem, keep other electronic

devices as far away as possible from the 3D Active Glasses.

- ◆ 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



(Some service may not be supported in some countries and regions.)

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 player 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 player's

firmware version.

- ◆ For pay DivX contents with copy protection can only be played through composite, a component or HDMI cable.

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

1. Press the  button.
2. The **General Disclaimer** screen appears. Select **Agree**.

 Screens can take a few seconds to appear.

3. The Samsung Service **Privacy policy** screen appears. Select **Agree**.

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

5. 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.

6. To start an application, select an application using your remote control.

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  button.

Using the Numeric Keypad

When the keypad is displayed, you can use your remote control 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 of ABC type.

Example: Inputting “105Chang”.

1. Select the — key using your remote

control to change the input mode to numbers.

2. Select **1**, **0** and **5** in numerical order on your remote control.
3. Select the **—** key using your remote control to change the input mode from numbers to upper case.
4. Select **2** using your remote control to input C.
5. Select the **—** key using your remote control to change the input mode

from upper case to lower case.

6. Input the rest of “Chang” using your remote control in the same way.

When done, select **OK**.

Method 2: Using the Keypad of XT9 type.

To change to XT9 mode, follow these steps:

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

remote control.

B. On the **Tools** menu, select **XT9 text input**.


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

Example: Inputting “105Chang”.

1. Select the **—** key using your remote control to change the input mode from lower case to numbers.
2. Select **1**, **0** and **5** in numerical order on your remote control.
3. Select the **—** key using your remote

control to change the input mode from numbers to capitalized case.

4. Select in sequence: 2, 4, 2, 6, 4. A thin window 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 control.

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

your dictionary.

Using the QWERTY Keypad

If you have a USB or Bluetooth 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 control 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 coloured and function buttons with the QWERTY Keypad

- **A** Delete All

Delete all inputted character.


- **B** Numeric / QWERTY

Toggles the keypad mode between

Numeric keypad mode and QWERTY mode.

-  Space

Type the space.

-  When the keypad is set to QWERTY mode, you can input characters using a USB or Bluetooth keyboard connected on 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 control 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 control. The **Login** screen appears.
2. Select **Create Account** using your remote control. 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 control 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

control 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 re-appear.

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 provider's website. For registration instructions, go to Step 2 in **Account Manager** under **Settings** in the "Configuring Smart Hub with Settings" 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 control. 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 appear.

5. Enter your password using your remote control. 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 want to log in to Smart Hub automatically when Smart Hub function starts, select Sign me in automatically. A ✓ mark appears.
- ☑ If you forget your Samsung account password, you can reset it. Select **B** using your remote control. A popup message appears. Select **OK**. Smart Hub will send a 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 the 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 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 control.

2. Select the **Move**. A position change screen appears.

3. Move the icon using your remote control. When the icon is in the position of your choice, select the icon. The application icon moves to its new location.

- **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 control.
2. Select the **Move to Folder**. The **Move to Folder** window opens.
3. Select a folder using your remote control. 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 control.

2. Select the **Delete**. The message

Do you want to delete the selected item(s)? appears.

3. Select **Yes**. The application is deleted.

- **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 control.
2. Select the **New Folder** in the menu. The **New Folder** pop-up and a keyboard screen appear.
3. Using the keyboard and your remote control, enter a name for the folder.
4. When done, select **OK**. The **New Folder** screen closes and the **New**

Folder appears on the Smart Hub screen.

- **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 control.

2. Select the **Rename Folder**. The **Rename Folder** window and a keyboard screen appear.
3. Enter a new name using your remote control 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 the password.

☒ 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 control.

2. Select **Lock**. The Security window appears.

3. Enter your security PIN using the remote control. 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 control.
2. Select **Unlock**. The Security window appears.
3. Enter your security PIN using the remote control. 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**

Depending on application, you can view the detailed information about the selected 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 **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 control.
 2. Select **Settings**. The **Settings** window appears.
 3. Select a menu item using your remote control.
- **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 register your site account, corresponding application should be installed in the **Smart Hub**.

To use the **Link to other accounts** function, follow these steps:

1. In the **Account Manager** menu, select the **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 control. 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, and then 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 the Smart Hub.

- **Service Manager**

Auto Ticker: You can set Auto Ticker to come on when the TV powers on.

☑ The Ticker application provides useful News, Weather, and Stock Market information. Before you can set the **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 that 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 security PIN using your remote control.
3. After a few moments, **Smart Hub** automatically resets. The screen may go black, and then **Smart Hub** reappears. In a few moments, it starts the re-initialization 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.

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

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

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 coloured and function buttons with Samsung Apps

- **A** Login / Logout


Log in to or log out of your Samsung Account.

- **C** Sort

To sort the applications by
Recommended, Name, Date or
Downloaded.

 You can sort all categories except
Most Popular.

-  **View Mode**

Each time you select  using your remote control, 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 (latest) registered application.

- Most Popular

Displays the most popular applications for users.

- **Video**

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

- **Game**

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 education 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 control. 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 find 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](#), select [Search](#) at the top of the screen or press the Search button on your remote control.

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

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

Using the Search function by category

- **Your Video**

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

☒ It may be not available, depending on your country and district.

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

Using the coloured 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 area: Sets a search scope. The default is allowed all application.


To customize a search area, follow these steps:

1. On the **Search** screen, open the **Tools** menu using your remote

control.

2. Select General Settings.

3. Select an application in the Search area. A ✓ mark disappears from the check box.

 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 control.

2. Select **Search history**.

3. Select a keyword in the **Keyword list**.

4. Press the  button. The keyword disappears from the list.

Your Video

 → Your Video

(May not be available, depending on your regions and 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 films](#), [Top 20 TV](#)

shows, and From friends.


5. To select a movie, highlight it, and then press the  button. 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 control. 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 Coloured Buttons on the Search Tab

- **A** Login / Logout

To login to your Smart Hub account or log out.

- **C** Search

To search for movies or videos (Steps 7

and 8).

-  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 Coloured Buttons

on a Movie's Data Page

- **A** 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.

-  Search

To search for movies or videos (Steps 7 and 8).

-  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 Coloured 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** Genres

To re-display the Genres tab.

-  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 or press . 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 Coloured Buttons on the My Video Screen

-  Login / Logout

To log in to your Smart Hub account

or log out.

- **C** Search

To search for movies or videos.

- **D** Home

To go to the My Video Home screen.

- **↶** Return

Return to the previous page or menu.

Family Story

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

 → **Family Story**

Family Story feature 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**.

 It is required to 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 control.

 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 completed.

 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 control, 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 message using your remote control. 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 re-appears.
7. Enter the prospective member's

phone number or Samsung account ID using your remote control. 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, 4-digit invite code will be generated and the code needs to be shared with the member. If invited by Samsung Account, the 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 control. 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**. Joining your family group has been completed.

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 containing the pictures you want to upload to the picture album to your TV.
2. Log into your Smart Hub account, and then start Family Story.
3. Highlight and select the "create album" icon on the left side of the Family Story screen or select  Create using your remote control. 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.

Editing a Picture

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 Events 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 Enter 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** Create using your remote control. 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 control 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, press the  button. If you are using a physical keyboard, press the Enter key on the key board. The Create screen re-appears 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 Enter when done.

6. The Edit screen re-appears. Highlight and select **Done** on the bottom of the screen.

Creating an Event

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** Create using your remote control. 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 control 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, press the  button. If you are using a physical keyboard, press  on the keyboard.

7. Highlight and select **Done** on the Event Title screen with your remote

control. The Event Tab reappears.

8. User your remote control 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 Settings** screen appears.


Use the up and down arrow buttons on your remote control to change the values in each field. Use the left and right arrow buttons to move from field to field. Press Enter 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 control to select an event type. When done, press the  button. 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.

 You 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 event 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 Enter on your remote control.
3. To view individual pictures, stop the slide show, and then press the left or

right arrow button on your remote control.

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** Add Comment. The 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 Watch together now**. 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** Add Comment. 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** Add Comment. 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 Smart Hub 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 created / Date Uploaded: You

can sort the items on the Story of the Day screen by **Date created** or **Date Uploaded** by highlighting and then selecting the **Date created / 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

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

 → Fitness

The **Fitness** application provided by Smart Hub lets you track and manage a fitness and exercise programme you create.

 To use **Fitness**, you should be logged in the Smart Hub.

Read these notes before exercising...

- ☑ Please warm-up or stretch before exercising.
- ☑ Stop exercising immediately if you feel pain, or 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 Avatar. A pop-up message appears. Select **Create Profile.** The Personal Trainer/Create Profile screen appears.

1. To go to next step, press the right arrow button. 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 control. The **Gender** pop-up appears.

5. Highlight and select your gender.

When you select our gender, you

will see a black dot appear in your selection.

6. Press the right arrow button on your

remote control until the **Date** pop-up appears.

7. Enter your birth date using your remote control. It will be used to personalize some parameters for you.

8. Press the right arrow button remote control. The **Units** 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.

Selecting Exercise Programs

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 programme 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 download a VOD programme 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, base on the

video.

Kids

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

 → Kids


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 executes 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 content 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 share with your **Family Story**.

Your kids can receive the sticker through these methods:

- **By User (parent):** You can present a sticker using the **Present Stickers** function in the **Parents** menu.
- **Automatically:** Kids presents a sticker

while the child is watching content.

Creating a Sticker Book

1. If you want 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 control. When done,


select **Next**.

3. Select a colour 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 colour, select **Back**.

5. When done, select **Done**. A new Sticker Book is created.

 You can create a new sticker book.
Maximum number of books is 10.

☑ You can check arrived stickers by highlighting and selecting **New Sticker**. 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 the **Samsung Apps** screen.

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 were purchased already, you

can play the contents. If you are not purchased, you can download the contents in the **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 Stickers

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 Stickers**. The **Present Stickers** 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 control.

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 regions and 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 coloured 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 control. **Pointer Browsing** is best if you have a mouse attached to the TV. **Link Browsing** only works if you are browsing using your remote control.

 When you select **Pointer Browsing**,

you cannot use the remote control to select items in the **Tools** Menu.

 In **Pointer Browsing** Mode, you can use the arrow keys on your remote control to move the pointer.

-  **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 wish using your remote control.

 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 you're 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 favourite page to visit from the bookmark list. You can also sort by **Date**, **Name**, or **Times Visited**. To sort, select the **Sort**. When you select **Enter URL**, you can enter in a new URL address directly using your remote control or mouse and bookmark it. When you highlight a bookmark, the **Option** button appear on the right. In the **Option** pop-up, you can edit the

selected page or delete the selected page from 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 Bookmark

- 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 control or mouse. When you highlight a page, the **Option** button appear 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 lists, 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 control, you can enter a new URL directly.

- **Windows List**

Displays list or images of open windows (the **Windows List**). You can add the current page to the list (using **Add Window List**), open new window from 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 control 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 access 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 **Search Word Input**. The keyboard screen appears.

3. Enter the word you want to use as the keyword using your mouse or remote control. 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**

Allows to restrict your children's access to inappropriate web pages.

Therefore, this function allows access of only the registered web sites.

 Every time you access the **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 control. You can change the PIN using the Reset password for **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**

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 **Private Browsing**, select **Yes**.

If the **Private Browsing** function is running, the “Stop” icon appears in front of the URL at the top of the screen. To disable **Private Browsing**, select it again when **Private Browsing** 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 Settings**

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. The keyboard works like a cell phone texting keyboard.

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 the 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.

- **Settings:** 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**.

 Press **INFO** button in Web Browser, you can see the user manual.

Skype

(It may be not supported depending on your region and country)

 → 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. 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.


Source


SMART HUB → Source

Use to select TV or an external input sources such as a DVD / Blu-ray player / cable box / STB satellite receiver.

TV / Component / HDMI1/DVI / HDMI2 / HDMI3 / AV / USB

 You can only choose external devices that are connected to the TV. In the Source list, connected inputs will be highlighted.

 (**Refresh**): You can refresh the source list when you connect a new external device.


 (**Tools**): You can select **Information** to show the detailed information. You can select **Refresh**.

 (**Return**): Return to the previous menu.

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 using a USB HDD, we

recommend using a USB HDD that has a power adapter.

For LED 6100 and above Series

- ☑ 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 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 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 category you want to play among **Videos,**


Photos and 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.

 For more information about playing back files, see the section of this manual starting with "Controlling Video Playback".

**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 1 (HDD 5V 1.0A) port.

For LED 6100 and above Series

- ◆ 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.
- ◆ 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 released 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 not be opened.
- ◆ 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 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 ◀ (REW) or ▶ (FF) function while a movie is playing.

Additional Notes

- ☑ DivX DRM is not supported.
- ☑ Set your PC firewall programme so that AllShare PC Software is a


permitted programme.

☑ 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.

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 play a file from the

Recently played list, and the USB device is not connected or the file

is not found, the "Unable to find the file." message appears.

☞ The **Recently played** list can have up to 48 files. The files are arranged so that the most currently 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 control,

5. Highlight and select **Add to Playlist**.
6. Highlight and select a file you want to add. The  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 playlist name using your remote control 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 music files 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 control,

5. Highlight and select **Add to Playlist**.
6. Highlight and select a file you want to add. The  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 play your playlist, refer to "Playing the Playlist" in My list section.

Using Play Selection with music files

1. Highlight a music file in the file list.

2. Open the **Tools** menu using your remote control, and then select **Play selection**.
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. Select **Play**. The selected music files play.

Using View with Music 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 control. The **View** screen appears.

2. Select 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 the music files by the genre.

Send your music files

Lets you send your music files with your **Family Story** account or to


devices.

☑ To use the Send Function, you must be logged in to **Smart Hub**.


1. For example, suppose that you want to send with your **Family Story** account.

2. To send music files in the file list, highlight a music file, open the **Tools** menu using your remote control, and then select **Send**.

3. Select a music file you want to send.

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 **Send**. The **Send** screen appears.

6. Choose the destination device to send to.

7. Choose the family group to share. A pop-up window appears.

8. Enter a message to send to the family group you selected.

 In the **QWERTY** keyboard is displayed, you can use a keyboard connected to the TV to enter the message.

9. When done, select **Send**.


To delete one or more files in the

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 control, and then select Edit playlist. The Edit playlist screen appears.
4. Select a file you want to delete. The

✓ mark appears in the check box.

5. Repeat Step 5 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 device and 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 control, the playback speed change as follows. ( 1 /  2 /  3 /  1 /  2 /  3)

- 

Jump to backward or forward from current position.

- 

Pause the scene.

- For Slow Motion: In pause mode, select ▶▶. Each time you select ▶▶ using your remote control, 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 control, a new frame will be appear.

- ☞ To return to normal speed playback, select ► using your remote control.
- ☞ 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 these options:

- **View**

Lets you sort the file list by one of four sort criteria.

- **Play selection**

Lets you select one or more files to play immediately.

- **Send**

Lets you send your video files with your **Family Story** account or to 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
Samsung 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 search the video using the left and right arrow keys or input a playing time directly using your remote control.

- **Time Search**

Search the video or input the play time directly using your remote control.

- **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 supported languages. The function is enabled only when you play stream-type files which support multiple audio formats.

- **Subtitle**

Lets you view 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 colour 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 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 control. The View screen appears.
2. Select 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 file 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 with your **Family Story** or other devices.

 To use Send, you must be logged in to **Smart Hub**.


1. For example, suppose that you want to send with your **Family Story**.

2. To send video files in the file list, highlight a file, open the **Tools** menu using your remote control, and then select **Send**.

3. Select a video file you want to send.

 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 **Send**. The **Send** screen appears.

6. Choose the destination device to send to.

7. Choose the family group to share with. A pop-up window appears.

8. Enter a message to send to the family group you selected.

 In the **QWERTY** keyboard screen is displayed, you can use a keyboard


connected to the TV to enter the
message.

9. When done, select [Send](#).

Photos (In AllShare Play)

 → AllShare Play → Photos

Viewing a photo (or slide show)

 For more information about the subtitle formats and codec 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 control.

 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

- 

The slide show speed change as follow (**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.

- ||

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.

- **Play selection**

Lets you select one or more files to play immediately.

- **Send**

Lets you send your photos with your **Family Story** account or photo-

related application.

☞ To use Send, you must be logged in to [Smart Hub](#).

- [Login / Logout](#)

You can login to or logout of your Samsung 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 control.

- Slide Show Speed

You can select the slide show speed during the slide show. Alternatively, select ◀ or ▶ using your remote control.

- Background Music On / Background Music Off


You can turn on or turn off background music.

- **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**.

 Nature mode is not available for PDP TV.

- **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.

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 control. The **View** screen appears.

2. Select 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.

- **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 shows photo files by month.

Send your photos

Lets you send your photos with your **Family Story** account or to other devices.

 To use Send, you must be logged in to **Smart Hub**.

1. For example, suppose that you want to send with your **Family Story**.
2. To send photo files in the file list, highlight a file, open the **Tools** menu using your remote control, and then select **Send**.
3. Select a photo file you want to send. 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 **Send**. The **Send** screen appears.

6. Choose the destination device to send to.

7. Choose the family group to share with. A pop-up window appears.

8. Enter a message to send to the family group you selected.


 In the **QWERTY** keyboard screen is displayed, you can use a keyboard connected to the TV to enter the message.

9. When done, select **Send**.

Music (In AllShare Play)

 → AllShare Play → Music

Playing Music

 For more information about the subtitle formats and codec formats, refer to "Supported Subtitle and AllShare Play file formats" in the Other Information section.

1. On the **AllShare Play** screen, press the arrow button to 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 displays only files, go directly to Step 4.
4. Select the desired music file in the file list or select ► using your remote control.

- ☞ To move to a previous page, select **B** using your remote control. To move to the next page, select **C** using your remote control.
- ☞ When the music is playing, you can fast forward or fast rewind the music file by selecting ◀◀ or ▶▶ using your remote control.
- ☞ If the sound is abnormal when you play MP3 files, adjust the **Equaliser** in the **Sound** menu. (An over

modulated MP3 file may cause a sound problem.)

Music playback control buttons

During playback, you can use 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 control.

- 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.

- Lyric (Off/On)

You can see lyrics when playing the music.

 Lyric may display abnormally
because of the ill-formed .lrc file.

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 five sort criteria.

- **Play selection**

Lets you select one or more files to play immediately.

- **Send**

Lets you send your music files with your **Family Story** account or to other device.

 To use Send, you must be logged in to **Smart Hub**.

- Login / Logout

You can login to or logout of your Samsung 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

To view the play list screen.

- Encoding


Choose the encoding mode.

– Information


You can view the details of the file you choose.

Creating the Playlist

1. Select the desired music file in the file list.
2. Press the **Tools** menu using your remote control, and then select **Add to Playlist**.
3. Select the tracks you want to add.

The  mark appears in the check box.

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 **Add to Playlist**.

The **Add to Playlist** screen appears.

6. Select **Clear New**. The **Create a new playlist** screen appears.

7. Enter playlist name using your remote control.
8. When done, Select **Done**. The newly playlist is created.

To add music files to playlist, follow these steps:

1. Follow Steps 1 through 4 in the “Creating the Playlist” procedure.
2. Select Playlist to add files. The files will be added to playlist you


selected.

- ☑ To play your playlist, refer to "Playing the Playlist" in **My list** section.


Playing selected music files using Music

1. Select the desired music file in the file list.
2. Open the **Tools** menu using your remote control, and then select **Selection Play**.

3. Select the tracks you want to add.

The  mark appears in the check box.

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. Select **Play**. The selected music files play.

Using the View function with Music 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 control. The **View** screen appears.

2. Select sort criteria you want.

- **Folder view**

Displays the whole folder. You can

view the file name and thumbnail by selecting the folder.

- **Title**

Sorts and displays the file title in Symbol / Number / Alphabet / Special order.

- **Artist**

Sorts the music file by artist in alphabetical order.

- **Album**

Sorts the music file by album in


alphabetical order.

- **Genre**

Sorts the music files by the genre.


Send your music files


Lets you send your music files with your **Family Story** or other devices.

 If you want to use this function, you should log in the **Smart Hub**.

1. For example, suppose that you want to send with your **Family Story**.

2. To send photo files in the file list, highlight a file, open the **Tools** menu using your remote control, and then select **Send**.

3. Select a photo file you want to send. The  mark appears in the check 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 **Send**. The **Send** screen appears.

6. Choose the destination device to send.

7. Choose the family group to share. A pop-up window appears.

8. Enter a message to send to family group you selected.

 In the **QWERTY** keypad screen is displayed, you can use the


keyboard connected to the TV to
enter the message.

9. When done, select **Send**.

Recorded TV (In AllShare Play)

 → AllShare Play → Recorded TV

To use the recording or **Timeshift** function, the connected USB device must be available for recording. Device format is recommended to use USB HDD.

 During the Device formatting, do not disconnect the device while formatting is in progress. If you format the device, all files will be

deleted.


- ☑ Before formatting your device to the TV, please back up your files to prevent them from damage or loss of data. SAMSUNG is not responsible for any data file damage or data loss.

To record a current broadcasting programme

Allows you to record a programme currently being broadcasted.

Set the current time first to use this function.

1. When you record a broadcast programme, press the ● button on the remote control to record. A pop up window will appear.

 We recommend using a USB HDD with at least 5,400 rpm, but a USB HDD of RAID type is not supported.




 A USB storage device cannot

record until it completes the
Device Performance Test.

2. Select **Length** to set up the recording time, and then select **OK.**

Playing Recorded TV Programme

1. On the **AllShare Play** screen, select **Recorded TV.**
2. Select the device you want to play.
3. Select the desired recorded TV file in the file list.



 To move a previous page, select  using your remote control. To move a next page, select .

4. Select .

- The selected file is displayed on the top with its playing time.

Playback control button with Recorded TV

- , 

Each time select ,  your remote control, the playback speed change as

follows. (◀ 1 / ◀ 2 / ◀ 3 / ◀ 4 / ◀ 5 / ◀ 6 / ◀ 7 / ▶▶ 1 / ▶▶ 2 / ▶▶ 3 /▶▶ 4 / ▶▶ 5 / ▶▶ 6 / ▶▶ 7)



Jump to backward or forward from current position.





Pause the scene.

- In pause mode, select ▶▶ using your remote control. Each time select ▶▶ using your remote control, the

playback speed is reduced to ▶1/8 /
▶1/4 / ▶1/2.

- In pause mode, select || using your remote control. Each time the || function is selected, a new frame will be appear.

 To return to normal speed playback, select ▶ using your remote control.

 The product does not play sound in stop mode.

- ☑ Stop motion operates only in the forward direction.

Using the Tools menu with Recorded TV

- On the file list screen, you can use the following these options:

- **Play Current Group**

Will play the contents of the selected groups.

- **View**

You can sort the file list by selecting

sort criteria you want.

- **Play selection**

You can play by selecting the desired music file in the file list.

- **Delete**

Deletes the file from the list.

- **Add to Playlist**

Lets you make your own playlist.

When you use the playlist, you can play music you want to listen easily and quickly.

- **Go to playlist**

Moves to Playlist screen.

- **Lock / Unlock**

To enable or disable the lock.

- **Device Management**

On the device can scan and format.

- The following functions are available only in selected content item.

- **Rename**

Change the name of the content.

- **Information**

Displays detailed information about the selected file.

- During playback, you can use the following these options:

- **Go to Recorded List**

Moves to the file list screen.

- **Play from the beginning**

You can restart a video file from the beginning.

- **Title Search**

You can move directly to another

title.

- **Time Search**

Search the video or input the play time directly using your remote control.

- **Repeat Mode**

You can play movie files repeatedly.

- **Picture Size**

You can adjust the picture size to your preference.

- **Picture Mode**

You can change the **Picture Mode**.

- **Sound Mode**

You can change the **Sound Mode**.

- **Information**

Displays detailed information about the selected file.

Calendar

 → Calendar

Calendar function provides information such as solar calendar, lunar calendar, solar terms, heavenly stems, earthly branches, Chinese zodiac, western zodiac, holiday, etc. Among which, lunar calendar is used very often in our life. For example, all traditional Chinese festivals use lunar calendar, farming also needs to consult lunar calendar

and solar terms, most Chinese people celebrate their birthdays according to lunar calendar, even when choosing big days such as wedding day, they would consult lunar calendar as well. Furthermore, the calendar is integrated with note function for you to edit important holiday information as a reminder.

A Today: Show current date.

B Go To Date: Go to the date you

want.

C Memo List: Show the memo list.

◀ / ▶ Prev./Next Month: Change month.

↩ Edit: Edit focus date note.


↶ Return: Return to up-level menu.

Edit Note

You can use the note in calendar to input important holiday information as a reminder.

1. In Calendar menu, press ▲/▼/◀/▶

button to select the date you want.

2. Press **ENTER**  button to open the note editor, then select the appropriate input method to edit the note.

Tips

- Available input methods include PinYin (Simplified yyChinese/ Traditional Chinese), stroke (Simplified Chinese/ Traditional Chinese), English (upper/lower case),

digits and other symbols.

- User can switch input method by using the — button on the remote and delete previous entry by using “PRE-CH” button.
- Key operation in abc/ABC input method :
 - Press corresponding number key one or more times to enter candidate character.
 - Cursor disappears in the editor

to indicate pending status until 1 second has past or another key has been pressed.

- The target character is selected when pending status ends.

3. After editing, press ENTER  button to save.

Tips

- If time information has been set, the focus date is yycurrent date. If time information hasn't be set, the focus


date is default date (Jan 1, 2012).

- If notes have been added, the note for present day yypops up when the TV is turned on.
 - If there is no note, nothing pops up.
 - The display time is 10 seconds.
 - If there is channel information, it will pop up after the Channel Bar disappears. If there is no channel information, it will pop up after

user handles the onscreen menu for searching channels.

- If the note is very long, it will display “...” at the end.
- The number of note entries must not exceed 100. (Otherwise, “The note list is full, please delete some notes before adding more” message appears.)
- There should be no more than 45 characters in each note.

Edit/Delete Memo List

In the main screen of Calendar, select the Memo List icon to show memo information, then press the ENTER  button, you can edit or delete the selected memo items.

Timeshift

for LED 4500 - 5500 Series : This function is not supported.

Using the Timeshift function

If you missed a live broadcast, you can see from the recorded broadcast using this feature.

1. When you watch a broadcast programme, select ► using your remote control to start the Timeshift

function.

2. If you want to stop the **Timeshift** function, select ■ using your remote control.

- ☒ The **Timeshift** mode operates for a maximum of 90 minutes.
- ☒ The **Timeshift** function is not supported for analogue channels.
- ☒ The **Timeshift** functions are disabled for channels locked with **Channel Lock**.

Before using the Timeshift and a record function...

Recorded videos are DRM (digital rights management) protected and cannot be played on a PC or other TVs. Note that files saved on the TV cannot be used after the main board is changed.

NOTE

- We recommend using a USB HDD with

at least 5,400 rpm, but a USB HDD of RAID type is not supported.

- The availability of both recording and the **Timeshift** function may differ depending on picture quality and the free space on the hard disk drive.
- USB memory stick is not compatible.
- When the **Timeshift** is used to the gunwales, the pause may be cancelled.
- If the 5% free memory space limit of the USB storage device is reached,

the current recording process will be closed.

- When recording is performed by both the PVR (Personal Video Recorder) function and a device that supports the HDMI-CEC feature, recording by the PVR function takes precedence.
- If the USB device has failed the **Device Performance Test**, the USB device must go through the **Device Format** and **Device Performance Test** again before

you record with the **Guide** or **Channel**.

- The **Timeshift** functions can only be used with a USB storage device that completed the **Device Performance Test**.
- If you attempt the recording or **Timeshift** function with a device that did not have the **Device Performance Test**, the function will not start.
- If any function that turns off the TV (**Sleep Timer**, **Off Timer**, etc.) is set for

a time that conflicts with recording, the TV will be turned off once the recording is complete.

- For the **Timer Recording** operation, the USB device requires 1.5GB of free space.
- The **Timer Recording** function requires 100MB of free space on the USB device.
- If the free space of the USB device decreases to less than 50MB while a

Timer Recording is operating, the Timer Recording function is automatically terminated.

- The Timeshift function continues even after changing the digital channel and users can watch past programs using the saved Timeshift data.
 - If the TV enters a state where the Timeshift function is not supported (application execution, input signal switching, analogue channel change,

etc.), the **Timeshift** data are not saved.

- If the TV enters a state where the **Timeshift** function is not supported (application execution, input signal switching, analogue channel change, etc.) while the **Timeshift** function is running, it is automatically terminated without an additional message being displayed.
- If a user tunes to a digital channel, the

suspended **Timeshift** function resumes
automatically.

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 centre. 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, 3GP, AVI, ASF, MKV,
etc.)

- Video thumbnail feature
- Bookmark function (to resume video playback)
- Auto-chaptering (scene navigation)
- Digital content management
- Compatibility with various subtitle formats (SRT, SMI, SUB, TXT, TTXT)


- Search with file names
- And many others
- ☑ To use the original DLNA functions of Samsung fully, it is recommended that you use the AllShare Play 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 of the devices connected to DLAN 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 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 control 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 control.

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 Theatre. To connect an Anynet+ Home Theatre, connect the Home Theatre to the TV using an HDMI cable then:

- To hear sound from the Home Theatre'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 Theatre.

- 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 Theatre, 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 Theatre) instead of
the TV Speaker.

Switching between Anynet+ Devices

1. Open the **Tools** menu using your remote control, 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 Theatre) instead
of the TV Speaker. To listen to sound
through a receiver, go to **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 Theatre) 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 sounds from the

receiver.

Using the ARC function

for LED 6100 Series and above

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 **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

Menu → Support → Self Diagnosis →

Troubleshooting

If you have any questions about the TV, first refer to this list. If none of these troubleshooting tips apply, please visit “www.samsung.com” then clicks on Support, or contact the call centre listed on the back-cover of this manual.

Picture Quality (Troubleshooting)

First, perform the **Picture Test** and to see if your TV is properly displaying the test image.

(Go to **Menu** → **Support** → **Self Diagnosis** → **Picture Test**)

If the test image is properly displayed, the poor picture may be caused by the source or signal.

The TV image does not look as good as it did in the store.

- ◆ If you have an analogue 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.
- ◆ Cable / Satellite subscribers: Try HD stations from the channel lineup.
- ◆ Aerial connection: Try HD stations

after performing Auto Tuning.

- ◆ Adjust the Cable/Set top box video output resolution to 1080i or 720p.
- ◆ Make sure you are watching the TV at the minimum recommended distance based on the size and definition of the signal.

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 (cca up to 1m) may cause noise in the picture on analogue channels.

Colour 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 colour problems or a blank screen.

There is poor colour or brightness.

- ◆ Adjust the **Picture** options in the TV menu (go to **Menu** → **Picture** →

Colour/Brightness/Sharpness)

- ◆ Adjust the Energy Saving option in the TV menu (go to Menu → System → Eco Solution → Energy Saving)
- ◆ Try resetting the picture to view the default picture settings (go to Menu → Picture → Reset Picture)

There is a dotted line on the edge of the screen.

- ◆ If the Picture Size is set to Screen Fit

Only for LED TV , change it to 16:9.

- ◆ Change 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 jack of component 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 Quality (Troubleshooting)

First, perform the [Sound Test](#) to

determine if your TV audio is operating properly. (Go to **Menu** → **Support** → **Self Diagnosis** → **Sound Test**)

If the audio is **OK**, the sound problem may be caused by the source or signal.

There is no sound or the sound is too low at maximum volume.

- ◆ 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, make sure the audio cables are connected to the correct audio input jacks on the TV.
- ◆ If you are using an external device, check the device's audio output option (ex. you may need to change

your cable box's audio option to HDMI if you have the box connected to 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.
- ◆ Reboot the connected device by disconnecting, and then reconnecting device's power cable.

The speakers are making an inappropriate noise.

- ◆ Check the cable connections. Make sure a video cable is not connected to an audio input.
- ◆ For aerial or cable connections, check the signal strength. Low signal level may cause sound distortion.
- ◆ Perform a **Sound Test**. (**Support** → **Self Diagnosis** → **Sound Test**)

No Picture, No Video (Troubleshooting)

The TV won't turn on.

- ◆ Make sure the AC power cord is securely plugged in to the wall outlet and the TV.
- ◆ Make sure the wall outlet is working.
- ◆ Try pressing the  button on the TV to make sure the problem is not the remote control. If the TV turns on,

refer to “The remote control does not work” below.

The TV turns off automatically.

- ◆ Ensure the **Sleep Timer** is set to **Off** in the Setup menu.
- ◆ If your PC is connected to the TV, check your PC power settings.
- ◆ Make sure the AC power cord is plugged in securely to the wall outlet and the TV.

- ◆ When watching TV from an aerial or cable connection, the TV will turn off after 10~15 minutes if there is no signal.

There is no picture/Video.

- ◆ Check cable connections (remove and reconnect all cables connected to the TV and external devices).
- ◆ Set your external device's (Cable / Set top Box, DVD, Blu-ray etc) video

outputs to match the connections to the TV input. For example, if an external device's output is HDMI, it should be connected to an HDMI input on the TV.

- ◆ Make sure your connected devices are powered on.
- ◆ Be sure to select the TV's correct source by select **Source** using your remote control.

RF (Cable / Aerial) Connection

(Troubleshooting)

The TV is not receiving all channels.

- ◆ Make sure the Aerial cable is connected securely.
- ◆ Please try **Setup** to add available channels to the channel list. Go to **Menu** → **System** → **Setup** and wait for all available channels to be stored.

- ◆ Verify the Aerial is positioned correctly.

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 the 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.

- ◆ The Samsung Wireless LAN adapter is required to use a wireless network.

for LED 4500 - 5500 series

- ◆ Make sure the TV is connected to a

wireless IP sharer (router).

Recording / Timeshift (Troubleshooting)

The USB device is not recognized or a Device Format, Checking Device or Device Performance Test fails.

- ◆ See the manual for the USB device to check that the USB device supports recording.
- ◆ If the USB device has a lock, ensure

it is off.

- ◆ Check that the USB device can be formatted when connected to the PC. Connect the USB to the TV and format it. (Formatting may fail intermittently.)
- ◆ If a **Device Performance Test** or formatting failed, it means that there is a problem with the USB hardware or the performance of the USB hardware is too low.

A message prompts me to format a USB device that has been working well.

- ◆ If the USB device has a lock, ensure it is off.
- ◆ Recover the USB device using the recovery function in **Checking Device**.

The recording function does not work.

- ◆ Check that a USB device is

connected.

- ◆ Check that the channel is a recordable digital channel.
- ◆ If the signal is weak or does not exist, the recording function will automatically be closed.
- ◆ The TV will not record if the USB device has no free memory space. Check that this is not the case.

Timeshift Mode does not work.

- ◆ Check that a USB device is connected.
- ◆ Radio channels and analogue broadcasts are not supported.
- ◆ Data broadcast channels are not supported.
- ◆ If the signal is weak or does not exist, the Timeshift Mode function will automatically be closed.
- ◆ Timeshift Mode cannot be performed if the USB device has no free

memory space. Check that this is not the case.

- ◆ USB memory stick is not supported. Please use the USB HDD type.

A message indicates a performance test failure, and the recording and Timeshift Mode functions do not work.

- ◆ These problems may occur if you use a low-performance USB device that does not support recording. We

recommend using a USB HDD with at least 5 400 rpm, but a USB HDD of RAID type is not supported.

A scheduled recording has failed.

- ◆ A scheduled recording is disabled for certain operations (formatting, performance test, error checking, deleting) that access the file system of a USB device.
- ◆ If there is no USB device connected,

the TV will not record even if the scheduled time is reached.

- ◆ The TV will not record if the USB device has no free memory space. Check that this is not the case.

Several recording devices are connected but the TV stopped recording.

- ◆ If multiple recording devices are connected and the device set as Default Recording Device has no

free memory space, the recording function will be closed. Attempt recording again. The device with the most free memory space will automatically be set as Default Recording Device and the TV will start recording.

Others (Troubleshooting)

The picture won't display in full screen.

- ◆ HD channels will have black bars on either side of the screen when displaying up scaled SD (4:3) contents.
- ◆ Black bars will appear on the top and bottom of the screen when you watch movies that have aspect ratios different from your TV.
- ◆ Adjust the picture size options on your external device or set the TV picture size to full screen. **Only for LED**

The remote control does not work.

- ◆ Replace the remote control batteries with the poles (+ / -) in the right direction.
- ◆ Clean the sensor's transmission window on the remote control.
- ◆ Try pointing the remote control directly at the TV from 5~6 feet away.

The cable/set top box remote control doesn't turn the TV on or off, or adjust the volume.

- ◆ Programme the Cable/Set top box remote control to operate the TV. Refer to the Cable/Set user manual for the SAMSUNG TV code.

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.

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 with digital channels from an Aerial / RF/ Coax connection.

The TV is tilted to the side.

- ◆ Remove the base stand from the TV and reassemble the stand..

There are difficulties assembling the stand base.

- ◆ Make sure the TV is placed on a

flat surface. It is necessary to use magnetized screw driver if you cannot remove the screws from the TV.

The channel menu is greyed 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 in the **Setup** procedure. Select **TV** in the **Source** using your remote control, and go to **Menu** → **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 the 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 a HDMI or components source.

There are recurrent picture/ sound issues.

- ◆ Check and change the signal/source.

A reaction may occur between the rubber cushion pads on the base stand and the top finish of some furniture.

- ◆ To prevent this, use felt pads on any surface of the TV that comes in direct contact with furniture.

You can keep your TV as optimum condition to upgrade the latest firmware

on web site (www.samsung.com →
Support → Downloads) by USB.

POP (TV's internal banner ad) appears on
the screen.

Select **Home Use** under **Setup** mode.

For details, refer to the **Setup** Feature.

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 theatre).

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.

(Menu → System → Anynet+ (HDMI-CEC))

Open the Tools menu using your remote control 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 control 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**. (**Menu** → **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.

The ARC function enables digital output

of sound using the **HDMI IN 2(ARC)** for **LED 6100 Series and above** 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 setting menu.

If network connection doesn't work, your service might be limited, as all

functions except the setting menu need to be 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 control or the screen display may be delayed temporarily if a web page is currently loading.

12. The loading of a web page may delay or stop 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 colours.) 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 commence playback

after PIP interruption and a possible refresh for the page may be required.

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-bookmark-file-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 “Samsung Smart TV Bookmark” folder.

23. If the time is not set in the menu (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.

Supported Subtitle and AllShare Play file formats

Subtitle

External

- MPEG-4 timed text (.ttxt)
- 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 *.jpeg	JPEG	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	MPEG	MPEG1 Audio Layer 3	-
*.m4a *.mpa *.aac	MPEG4	AAC	-
*.flac	FLAC	FLAC	The Seek (jump) function is not supported. Supports up to 2 channel
*.ogg	OGG	Vorbis	Broadcom, 12_Firenze, Novatek72558 are not supported. Supports up to 2 channel
*.wma	WMA	WMA	WMA 9, 10 Pro supports up to 5.1 channel and M2 profile (except LBR mode of M0). WMA lossless audio is not supported.

Video Codec

File Extension	Container	Video Codec	Resolution	Frame rate (fps)	Bit rate (Mbps)	Audio Codec
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*.avi *.mkv *.asf *.wmv *.mp4 *.3gp *.vro *.mpg *.mpeg *.ts *.tp *.trp *.mov *.flv *.vob *.svi *.m2ts *.mts *.divx	AVI MKV ASF MP4 3GP VRO VOB PS TS	Divx 3.11/4.x/5.x/6.x	1920x1080	6~30	30	AC3 LPCM ADPCM(IMA, MS) AAC HE-AAC WMA DD+ MPEG(MP3) DTS Core G.711(A-Law, μ-Law)
		MPEG4 SP/ ASP				
		H.264 BP/MP/ HP				
		Motion JPEG	640x480		8	
		Window Media Video v9	1920x1080		30	
		MPEG2				
		MPEG1				
		VP6	640x480	4		
*.webm	WebM	VP8	1920x1080	6~30	8	Vorbis
*.rmvb	RMVB	RV8/9/10 (RV30/40)	1920x1080	30	10	RealAudio 6

Other Restriction

- ☒ 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 in error, 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 SVAFF 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.
- For FLAC, the Seek (jump) function is not supported. Supports up to 2 channel.
- For Vorbis, Broadcom, 12_Firenze, Novatek72558 are not supported. Supports up to 2 channel.

Main Data Service buttons and their functions

- **A** (Data Service)

Displays the Data Service list and immediately starts Data Service.

- **BACK**

Returns to the previous screen.

- **Colour Button**

Perform functions corresponding to each Colour button image displayed on the screen during Data Service.

☞ Operations may differ depending on the service provider.

- **Symbol**


Text can be inputted using the numbers and letters printed on and above the numeric keys on the remote control.

If you input the numeric keys on the remote control one by one into the blank where the cursor is located on the text input screen, the corresponding lettering, numbers or special characters

will be displayed. e.g., if you press the number 3 key in rapid succession, then the assigned letters (D, E, and F) and the number 3 will alternately appear in order of input.

- **TEXT**

Switches to teletext mode or Returns to the previous screen.

 Operations may differ depending on the service provider.



Moves the Data Service menu up,
down, left and right.

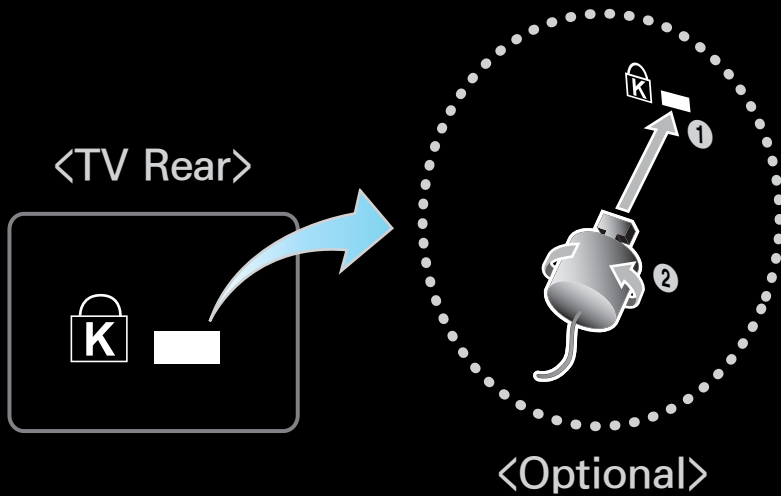
- **OK**

Runs a selected item.

- **EXIT**

Stops a running Data Service.

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.

Licence

Open Source Licence Notice

In the case of using open source software, Open Source Licences are available on the product menu.

Open Source Licence Notice is written only English.



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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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