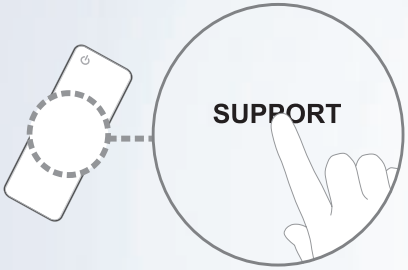
SAMSUNG

E-MANUAL



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Model_____Serial No._____

Contents

Channel Menu

- Connecting the TV 1
- Using the Channel Menu 12
- Memorising Channels 42
- Other Features 47

Basic Feature

- Changing the Preset Picture Mode 49
- Adjusting Picture Settings 52
- Changing the Picture Size 57
- Changing the Picture Options 67
- Using the TV with Your PC 87
- Changing the Preset Sound Mode 91
- Adjusting Sound Settings 93

Preference Features

- Connecting to the Network 103
- Setting up a Wired Network 120
- Setting up the Wireless Network 133
- Managing the Network Connected Devices 161
- Setting the Time 173
- Blocking Programmes 187
- Economical Solutions 190
- Picture In Picture (PIP) 195
- Using the TV with a Keyboard and a Mouse 200
- Other Features 209
- Support Menu 224

Advanced Features

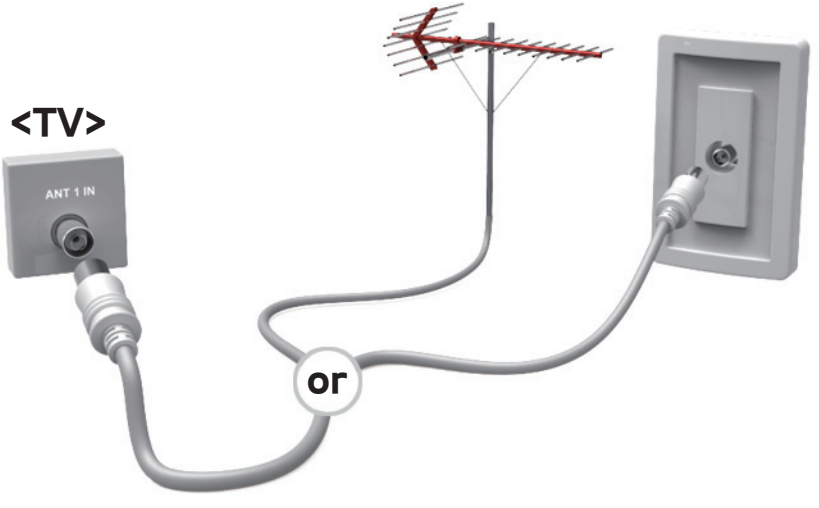
- Using the 3D function 249
- ·Smart Hub 263
- Customizing the Home Screen 289
- Using Samsung Apps 320
- ·Search 331
- ·Your Video 339
- ·Family Story 356
- ·Fitness 410
- ·Kids 421
- ·Web Browser 436
- ·Skype 466
- ·AllShare Play 470
- Using the AllShare Play 496
- ·My list (In AllShare Play) 500
- ·Videos (In AllShare Play) 513
- ·Photos (In AllShare Play) 532
- ·Music (In AllShare Play) 549
- Using the DLNA Function 563
- ·Anynet+ (HDMI-CEC) 574

Other Information

- Troubleshooting 591
- Picture Quality (Troubleshooting) 592
- Sound Quality (Troubleshooting) 600
- No Picture / No Video (Troubleshooting) 605
- Aerial(Air / Cable) Connection (Troubleshooting) 609
- PC Connection (Troubleshooting) 612
- Network Connection (Troubleshooting) 613
- Others (Troubleshooting) 614
- Anynet+ (HDMI-CEC) (Troubleshooting) 627
- AllShare Play (Troubleshooting) 635
- Smart Hub (Troubleshooting) 636
- Web Browser (Troubleshooting) 638
- Supported Subtitle and AllShare Play file formats 647
- Teletext Feature 656
- Anti-theft Kensington Lock 662
- Licence 667

Connecting the TV

Connecting to an Antenna



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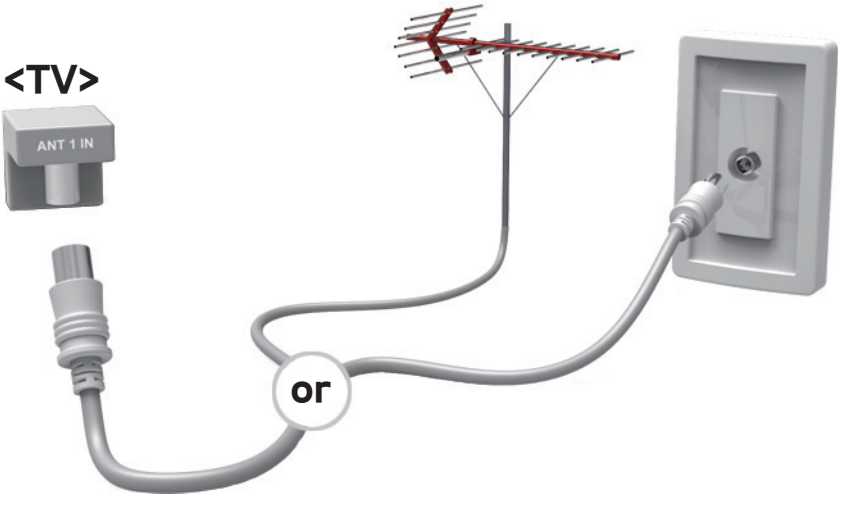
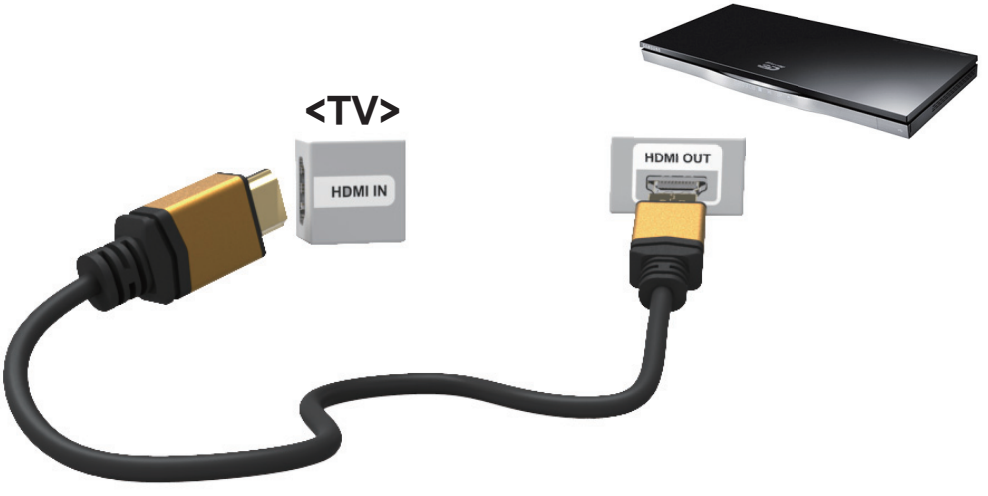


The displayed image may differ depending on the model.

Connecting to an AV Device

Using a HDMI (up to 1080p)

The displayed image may differ depending on the model.



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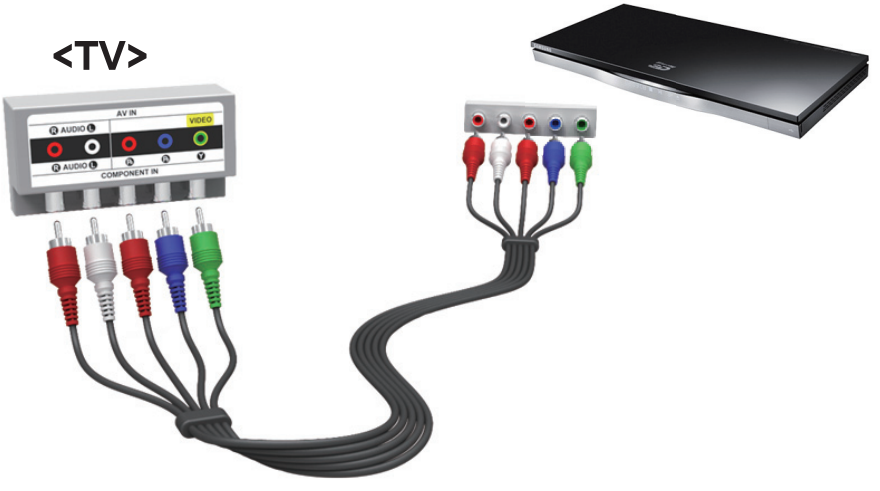
Using a Component (up to 1080p)



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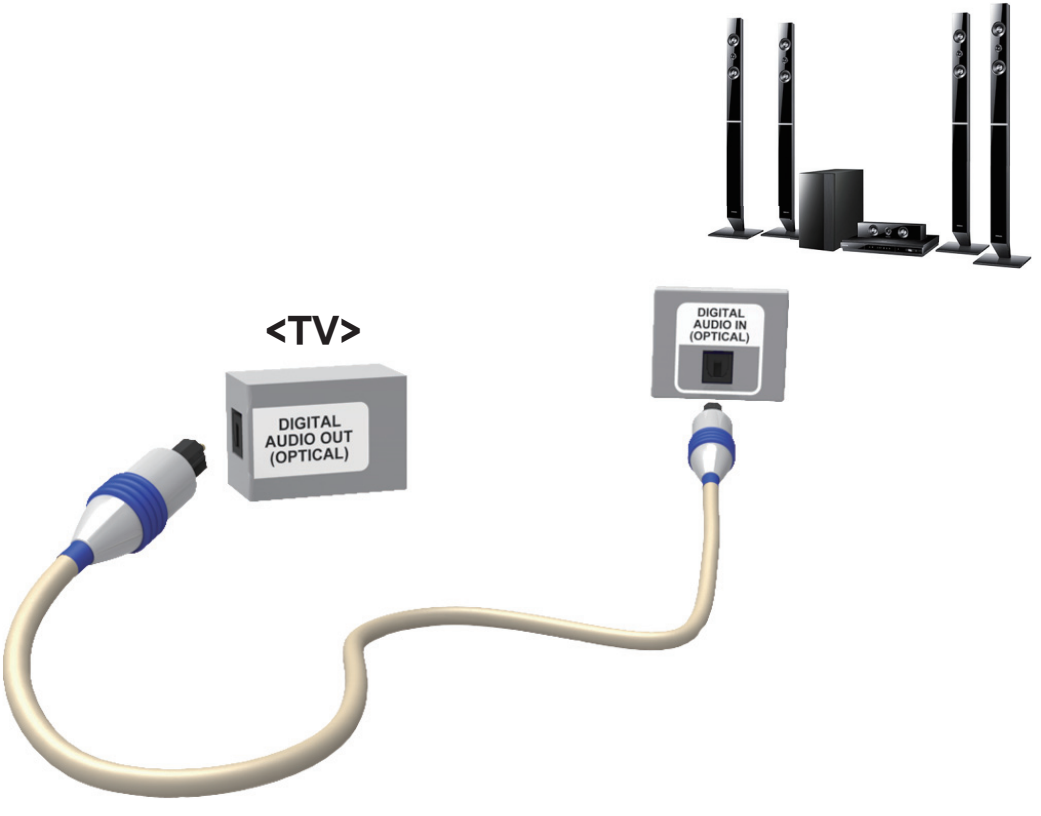
Connecting to an Audio device

Using an Optical (Digital) Connection

The displayed image may differ depending on the model.



The displayed image may differ depending on the model.

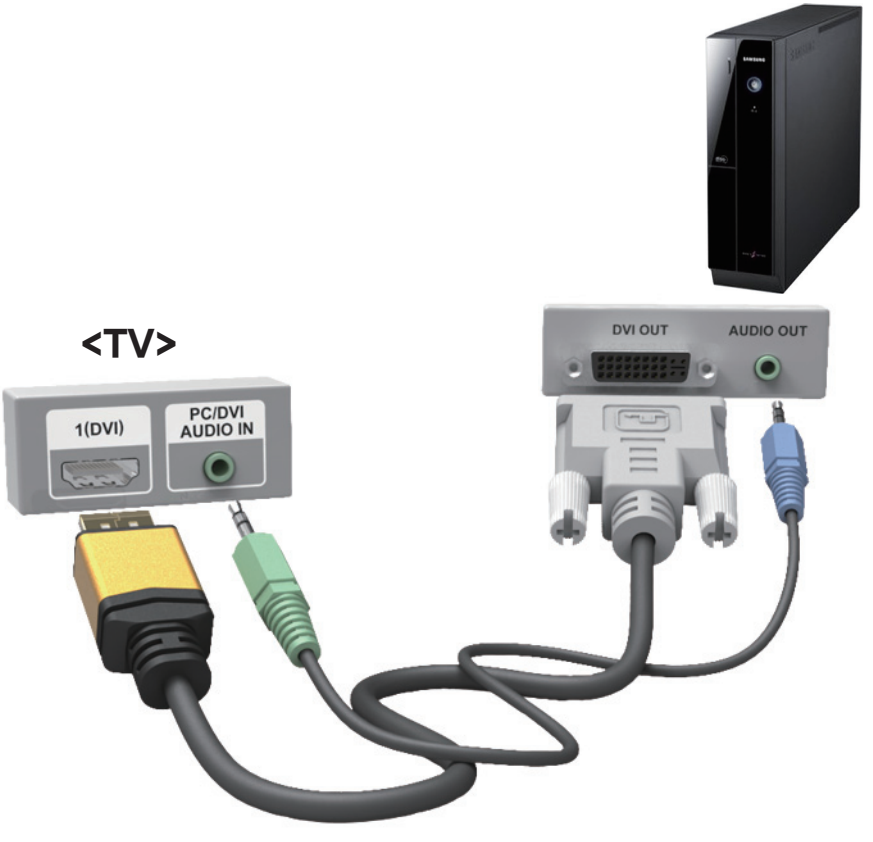
Using a Headphone Connection

for LED TV

The displayed image may differ depending on the model.

Connecting to a PC

Using an HDMI/DVI Cable



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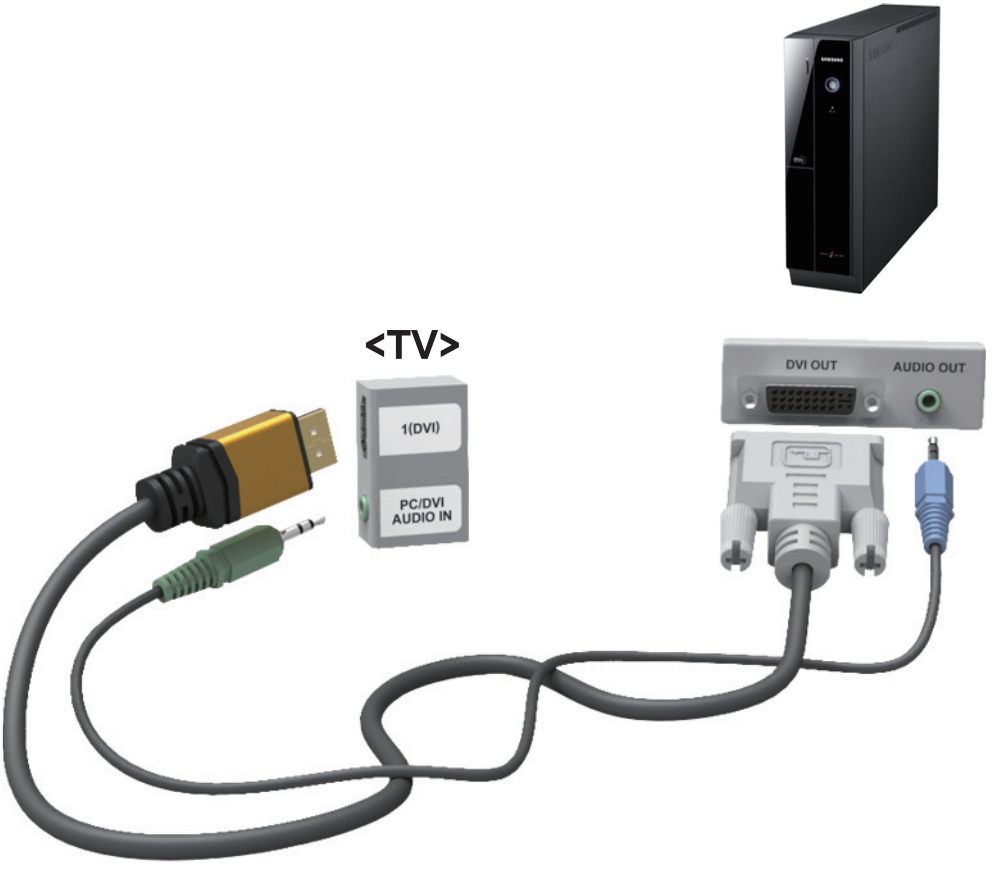


The displayed image may differ depending on the model.

Using the Channel Menu

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

Channel

→ Channel

Using this function, you can delete channels, set favourite channels and edit the channel name for analogue broadcasts.

- All

  Shows all 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.

- Recently Viewed

  Shows the most recently viewed channels.

- Most viewed

  Shows the most frequently viewed channels.

Using the coloured and function buttons

with Channel

- B Delete

  Delete the selected channel(s).

- *i* 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

  Returns to the previous menu.

Using the Tools menu with the Channel

- Edit Favourites

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

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

2. Select A using your remote. 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. 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 favourites 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

  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.

- 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. Select a category that contains the channel you want to delete.
2. Select a channel in the category list. A ✓ mark appears to the left of the channel.

   ✎ You can select more than one

channel.

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

3. Open the Tools menu using your remote.

4. Select Delete. The message Delete the selected channels?. Select OK.

- You can delete the selected channel immediately by selecting B using your remote.

- When you delete a channel in the

Recently Viewed or Most viewed category, the channel will disappear from that category list, but it is not deleted from any of the other lists.

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.

4. Select the Edit Favourites. The Edit Favourites screen appears.

5. Select A using your remote. 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. 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, the favourites group changes.

– 0~9 Go To

Move to the Highlight to a channel number immediately by pressing the number button using your remote.

– ↩ Return

Returns 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, the favourites group changes.

– 0~9 Go To

Move to the Highlight to a channel number immediately by pressing the number button using your remote.

– ↺ Return

Returns 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.

4. Select 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 using the B function.

Display Icons Used in the Channel screens

A: 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.

2. Set Channel, Repeat, and Start Time.

- 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.

  ✎ 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.

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

1. On the Schedule Manager screen,

highlight an item you want to delete.

2. Open the Tools menu using your remote.

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

4. Select Yes. The selected schedule is cancelled.

   ✎ If you press the INFO button after Highlighting an item, the Information screen appears. On

the Information screen, you can change or cancel the Schedule Viewing.

Cancel Schedule: Cancel the Schedule Viewing.

Edit Schedule: Change the Schedule Viewing.

Return: Return to the previous screen.

Channel List

Using this function, you can view the channel list, 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.

- ◀▶ Ch. Mode

  Move to the type of channels you want to display on the Channel List screen.

- ⇲ Watch

  Watches the channel you select.

- ⇕ Page

  Move to next or previous page.

Channel Status Display Icons

- A: An analogue channel.
- : A reserved programme.
- : A locked channel.

Memorising Channels

Area

Menu → Channel → Area

Select your country so that the TV can correctly auto-tune the broadcasting channels.

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.

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.

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 (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.

Fine Tune

Menu → Channel → Fine Tune

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.

Changing the Preset Picture Mode

Picture Mode

Menu → Picture → Picture Mode

Picture modes apply preset adjustments to the picture.

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

- Dynamic

  Suitable for a bright room.

- Standard

  Suitable for a normal environment.

- Natural for LED TV / Relax for PDP 6500 Series

  Suitable for reducing eye strain.

- 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.

Backlight for LED TV / Cell Light for PDP TV

Menu → Picture → Backlight / Cell Light

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)

In analogue TV, AV modes of the PAL system, the Tint (G/R) function is not available.

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.

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) are not available.
- You can adjust and store settings for each external device connected to the TV.
- Lowering picture brightness reduces power consumption.

Changing the Picture Size

Screen Adjustment

Menu → Picture → Screen Adjustment

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

- Picture Size

  Your cable box / satellite receiver may have its own set of screen sizes as well. However, we highly recommend

you use your TV's 16:9 mode most of the time.

16:9: 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) or Component (1080i / 1080p) signals are inputted.

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

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

- Smart View 1 and Smart View 2 is enabled only in HDMI mode.
- The picture size can vary when you play content from Videos in AllShare Play depending on the input resolution.

- 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, Zoom, or Screen Fit.

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.
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, Zoom or Screen Fit, 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.

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): 16:9, Wide

Zoom, Zoom, 4:3

– Component (1080i, 1080p): 16:9, Wide Zoom, Zoom, 4:3, Screen Fit

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

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

The available items may differ depending on the selected mode.

- HD (High Definition): 16:9 - 1080i/1080p (1920x1080), 720p (1280x720)
- You can adjust and store settings for each external device you have connected to an input on the TV. Select the Source, and then adjust the settings.

- 4:3 Screen Size

  (Depending on the country)

  Available only when picture size is set

to Auto Wide. You can determine the desired picture size at the 4:3 WSS (Wide Screen Service) size or the original size.

- Not available in Component or HDMI mode.

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

  Adjusts the screen contrast.

- Black Tone

  Select the black level to adjust the screen depth.

- Flesh Tone

  Emphasizes pink "Flesh Tone."

- RGB Only Mode

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.

  for LED 6200 - 6800 Series and PDP 6500 series To adjust Colour, Red, Green, Blue and Reset, set the Colour Space

to Custom.

- 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 - 5600 Series and PDP 550 Series:

This function is not supported.

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

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

Some external devices may not support this function.

Interval: Select the interval to adjust.

Red: Adjusts the red level.

Green: Adjusts the green level.

Blue: Adjusts the blue level.

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

- Gamma

  Adjusts the primary colour intensity.

- Expert Pattern

  for LED 4500 - 5600 Series and PDP 550 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 effect you desire.
- While the Expert Pattern is running, the TV does not output sound.
- Only enabled in Component, and HDMI modes.

- xvYCC

for LED 4500 - 5600 Series and PDP 550 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

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.
- When you change the Backlight

for LED TV / Cell Light for PDP TV, Contrast, or Brightness, the TV sets Motion Lighting to Off.

Picture Options

Menu → Picture → Picture Options

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

When your TV is connected to a PC via an HDMI to DVI cable, you can

only make changes to Colour Tone.

- Colour Tone

  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 the Source and then adjust the settings.

- Digital Noise Filter

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

Auto Visualisation: When changing analogue channels, displays signal strength.

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

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

- MPEG Noise Filter

  Reduces MPEG noise to provide improved picture quality.

- HDMI Black Level

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

  ✎ Available only in HDMI mode.

- Film Mode

  Sets the TV so that it senses and then

processes film signals from all sources automatically and adjusts the picture for optimum quality.

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

- **Motion Plus** for LED 6200 series and above

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 incoming video signal (60 Hz).

This displayed frequency is not the 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 TV

  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 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 dialogue box appears.

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

4. Click the “Settings” tab on the display dialogue 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 dialogue box, select “60” or “60 Hz”. Otherwise, just click “OK” and exit the dialogue box.

Changing the Preset Sound Mode

Sound Mode

Menu → Sound → Sound Mode

Sound modes apply preset adjustments to the sound.

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

- Standard

  Selects the normal sound mode.

- Music

Emphasizes music over voices.

- Movie

  Provides the best sound for movies.

- Clear Voice

  Emphasizes voices over other sounds.

- Amplify

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

Sound Effect

Menu → Sound → Sound Effect

- If Speaker Select is set to External Speaker, Sound Effect is disabled.
- Available only when the Sound Mode is set to Standard.

- SRS TruSurround HD

  This function provides a virtual 5.1 channel surround sound experience

through a pair of speakers using HRTF (Head Related Transfer Function) technology.

- SRS TruDialog

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

- Equaliser

  The Equaliser displays a series of sliders. Use the arrow 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 Equaliser to its default settings.

SPDIF Output

Menu → Sound → 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 (0ms ~ 250ms).

Speaker Settings

Menu → Sound → Speaker Settings

- Speaker Select

  If you are listening to the sound track of a broadcast or movie through an external receiver, you may hear a

sound echo caused by the difference in decoding speed between the TV's speakers and the speakers attached to your audio receiver. If this occurs, set the TV to External Speaker.

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

the external speakers are on. You will hear sound through both.

- When the Speaker Select is set to External Speaker, the volume buttons and mute functions will not operate and the sound settings will be limited.
- If there is no video signal, both the TV's speakers and the external speakers will be mute.

- Auto Volume

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 no effect.

Reset Sound

Menu → Sound → Reset Sound

Reset all sound settings to the factory defaults.

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 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 you have a Dynamic Network, 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 are Dynamic Networks.

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

can also get these values through your computer.

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

The Wireless Network Connection

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

user's manual.

for LED 4500-5600 To connect your TV to your network wireless, you need a wireless router or modem and a Samsung Wireless LAN adapter (WIS09ABGNX 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.

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

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 4500-5600 The Samsung Wireless LAN Adapter and the USB extension Cable are sold separately and are offered by select retailers, Ecommerce sites and Samsungparts.com.

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

- for LED 4500-5600 Ensure the TV is turned on before you connect the

Samsung Wireless LAN adapter.

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

- for LED 4500-5600 The Samsung Wireless LAN adapter may not be recognise when using a connection via a USB hub or via a USB extension cable other than the cable supplied.

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

- 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

Notice for LED 4500-5600

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

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 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.

(Menu → 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 dialogue 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.

(Menu → 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.

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

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

8. Repeat the entry process for each

field in the IP Address.

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

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

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

11. When done, select OK. The network test screen appears and the

verification process starts. When the connection has been verified, the "You are connected to the Internet. If you have any problems using online services, please contact your Internet service provider." message appears. Select OK.

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 if 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 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 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. (Menu → 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 security, go to step 7.

5. To set up wireless security, enter the Security Key or a WPS PIN using the

keyboard on the Enter security key screen.

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

punctuation, select ☆. To redisplay letters, select ☆ again.

✎ You should be able to find the Pass Phrase on one of the set up screens you used to set up your router or modem.

6. When done, select Next if you entered a Security Key or WPS PIN if you entered a PIN. The network connection screen appears and the verification process starts.

7. When the connection has been verified, the "You are connected to the Internet. If you have any problems using online services, please contact your Internet service provider." message appears.

- 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 dialogue 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. (Menu → 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 security, go to step 7.

5. To set up wireless security, enter the Security Key or a WPS PIN using the keyboard on the Enter security key screen.

   ✎ To enter letters, highlight and select each letter. To enter

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

- To shift to capital letters (or from capital letters to lower case), select the Caps or Shift button.
- To display symbols and punctuation, select ★. To redisplay letters, select ★ again.
- You should be able to find the Pass Phrase on one of the set up

screens you used to set up your router or modem.

6. When done, select Next if you entered a Security Key or WPS PIN if you entered a PIN. The network connection screen appears and the verification process starts.

7. Select Stop. The verification process stops. Select IP Settings on the network connection screen. The IP Settings screen appears.

8. Select IP Mode, and then set the IP Mode to Manual.

9. Go to the IP Address entry field, and then select the IP Address using the remote.

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

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

field.

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

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

13. When done, go to the Subnet Mask fields.

14. Repeat the same entry process for Subnet Mask, Gateway, and DNS Server.

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

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. (Menu → 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.

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.

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 4500-5600 You can use this function when connecting the Samsung Wireless LAN Adapter.

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

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.

Soft AP

Menu → Network → Soft AP

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

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. 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 ⭐. To redisplay letters, select

⭐ again.

Setting the Time

Time

Menu → System → Time

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

- Clock Set

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

- Sleep Timer

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

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

- On Timer

Set On Timer so that your TV turns on automatically at a time and on a day of your choosing. You can set up three separate On Timer configurations(On

Timer 1, On Timer 2, On Timer 3) and select the source of the content the TV plays when it turns on: an air or cable channel, a USB device, or a set-top box connected to one of the TV's inputs (HDMI1, 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.

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

- The USB device must be connected to your TV before you can select USB.
- If you select a source other than TV or USB, you must:
  - Have a cable or satellite set-top box attached to that source
  - Set the set-top box to the channel you want to watch when the TV goes on.
  - Leave the set-top box turned on.

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 recognise 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. The PIN screen closes and the Security menu appears.

- Channel Lock

  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.

Economical Solutions

Eco Solution

Menu → System → Eco Solution

- Energy Saving

  Lets you adjusts the brightness of the TV in order to reduce power consumption. If you select Picture Off, the screen is turned off, but the sound remains on. Press any button except the volume button to turn on the

screen.

- Eco Sensor

for LED 5300 - 6800 Series and PDP TV

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

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

Min. Backlight for LED TV / Min Cell

Light for PDP TV: When the Eco Sensor is set to On, you can manually adjust the minimum screen brightness.

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

- No Signal Power Off

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

  Disabled when an attached PC is in power saving mode.

- Auto Power Off

  The TV will automatically turn off if you don't press a button on your remote or TV controller within 4 hours

to prevent overheating.

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 is on, you cannot use the PIP.

- PIP

  Activate or deactivate the PIP function.

- Source

  You can select a source of the sub-picture.

- Channel

  Select the channel for the sub-picture

screen.

- Size

  Select a size for the sub-picture screen.

- Position

  Select a position for the sub-picture screen.

- Sound Select

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

  ✎ If you turn the TV off while watching

in the PIP mode, the PIP function is reset to Off. When you turn your TV on, you must turn PIP on again to watch in the PIP mode.

- You may notice that the picture in the PIP screen becomes slightly unnatural when you use the main screen to view a game or karaoke.
- PIP does not work when the 3D function is active.
- PIP Settings: The picture from the

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

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

Device Manager

Menu → System → Device Manager

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

- Depending on the model of the USB HID keyboard and mouse may not be

compatible with your TV.

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

- Keyboard settings

Lets you use a USB or Bluetooth keyboard with your TV.

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

for LED 6200 Series and above, PDP TV If you want to use a Bluetooth keyboard, connect it using the Bluetooth function.

- You can use the keyboard only when the QWERTY 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

for LED 6200 Series and above, PDP TV You can add a Bluetooth keyboard.

Keyboard Options

Sets the default options for the keyboard language and type.

- Keyboard Language: Set a language for your keyboard.
- Keyboard type: Set 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.

for LED 6200 Series and above, PDP TV If you want to use a Bluetooth mouse, connect it using the Bluetooth function.

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

Select mouse

Select which mouse to use from your

mouse list. You can only use one mouse at a time, even if several are connected.

Add Bluetooth mouse

for LED 6200 Series and above, PDP TV You can add a Bluetooth mouse.

Mouse Options

Sets the default options for the mouse buttons.

– Primary Button: Select the main button you want to use to click and

select on screen.

– Pointer Size: Set the size of the on-screen mouse pointer.

– Pointer Speed: Select the speed of the mouse pointer.

Using the TV's menu with a mouse

1. Connect a USB or Bluetooth mouse on your TV.
2. Click a primary button you selected. The Go To pop-up appears.

3. Select Smart Hub or Menu in Go To.

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

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

slightly off the bottom of the screen.

Menu Language

Menu → System → Menu Language

Set the menu language.

Screen Burn Protection for PDP TV

To reduce the possibility of screen burn, this unit is equipped with Pixel Shift screen burn prevention technology. Pixel Shift moves the picture slightly on

the screen.

The Pixel Shift Time setting allows you to programme the time between movements of the picture in minutes.

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

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

- Pixel Shift

  Using this function, you can set the TV to move pixels minutely on the PDP screen in a horizontal or vertical direction to minimize after images on the screen.

  Available Pixel Shift settings and optimum settings:

  Horizontal

  – Available Settings: 0 - 4 (pixels)

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

Vertical

– Available Settings: 0 - 4 (pixels)

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

Time (minutes)

– Available Settings: 1 - 4 min

– Optimum settings for TV/AV/ Component/HDMI: 4 min

✎ The Pixel Shift value may differ

depending on the monitor size (inches) and mode.

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

- Auto Protection Time

  If the screen displays a still image for a certain period of time you define, the TV activates the screen saver to prevent the formation of burnt in ghost images on the screen.

- Scrolling

This function removes after-images on the screen by illuminating all the pixels on the screen according to a pattern. Use this function when there are after images or symbols on the screen, especially when you displayed a still image on the screen for a long time.

The after-image removal function has to be executed for a long time (approximately 1 hour) to effectively remove after-images on the screen.

If the after-image is not removed after you apply the function, repeat the function.

Press any button to cancel this feature.

- Side Grey

When you watch TV with the screen ratio set to 4:3, using the Side Grey function can prevent damage to the edges of the screen by adjusting the white balance on the extreme left and

right sides.

Auto Protection Time for LED TV

If the screen displays a still image for a certain period of time you define, the TV activates the screen saver to prevent the formation of burnt in ghost images on the screen.

General

Menu → System → General

- Game Mode

When you have connected a game console such as a PlayStation™ or Xbox™ to the TV, you can enjoy a more realistic gaming experience 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

for LED 4500 - 5600 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

  Adjust transparency of menu box.

- Sound Feedback

  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

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

- Boot Logo

  Displays the Samsung logo when the TV is turned on.

Anynet+ (HDMI-CEC)

Menu → System → Anynet+ (HDMI-CEC)

Allows you to control all connected Samsung devices that support anynet+ with your Samsung TV's remote.

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

DivX® Video On Demand

Menu → System → DivX® Video On Demand

Shows the registration code authorized

for the TV. If you connect to the DivX web site and register with 10-digit registration code, you can download the VOD activation file. Once you play it using AllShare Play, the registration is completed.

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

Support Menu

e-Manual

Menu → Support → e-Manual

The e-Manual is built into your TV. Open the e-Manual to learn how to use your TV are 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.

- 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.

   ✎ 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 four ways:

- By USB
- Online
- Alternative Software
- Standby Mode Upgrade

The four methods are explained in the

following pages.

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

upgrade.

- By USB

To upgrade the By USB, follow these steps:

1. Visit www.samsung.com.
2. Click Support at the top of the page.
3. On the Support page, enter your model number in the Find Your Product field, and then press Enter or click Find Product.

4. Under Downloads on the left side, click Get downloads. The Download Centre screen appears.

5. Click Firmware on the left side of the page.

6. On the Firmware tab, click the file icon on the right, and then click Save File on the pop-up that appears.

7. Extracts the exe archive to your computer. You should have a single folder with the same name as the

exe file.

8. Copy the folder to a USB flash drive.

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

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

11. Select By USB.

Please be careful not to remove the USB drive until the upgrade is complete.

- Online

The Online function lets you download the upgrade software directly from the Internet into your TV and then upgrade the software in one operation. To use Online, you must have configured your TV to connect to your network and the TV must be connected to the Internet. See the "Setting up the Wired or Wireless Network" instructions.

To upgrade using 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.

- 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 On or Off.
   - Off: If you select Off, the TV will notify you with a pop up message

when new upgrade software is available.

– On: If you select On, the TV will automatically download new upgrade software when it is in Standby mode with the power off. If it downloads new upgrade software, the TV will ask you if you want to install it when you turn the TV on.

✎ To use the Standby Mode Upgrade

function, your TV must be connected to the Internet.

Contact Samsung

Menu → Support → Contact Samsung

View this information when your TV does not work properly or when you want to upgrade the software. You can find information regarding our call 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 - 6600 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.

Off: Turns the 3D function off.

2D→3D: 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 HDMI and USB mode or when your PC is connected through an HDMI/DVI cable.

- 3D Perspective

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

- Depth

  Adjusts the overall depth.

- L/R Change

  Swaps the left and right pictures.

- 3D Optimisation for LED TV

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

Support resolution (16:9 only)

HDMI

3D Format	Resolution	Frequency (Hz)
	1280 x 720p	50 / 59.94 / 60 Hz
	1920 x 1080i	50 / 59.94 / 60 Hz
	1920 x 1080p	23.98 / 24 / 25 / 29.97 / 30 / 50 / 59.94 / 60 Hz
Frame Packing	1280 x 720p	50 / 59.94 / 60 Hz
	1920 x 1080i	50 / 59.94 / 60 Hz
	1920 x 1080p	23.98 / 24 / 25 / 29.97 / 30 Hz

Component

Resolution	Frequency (Hz)
1280 x 720p	50 / 59.94 / 60 Hz
1920 x 1080i	50 / 59.94 / 60 Hz
1920 x 1080p	23.98 / 24 / 25 / 29.97 / 30 / 50 / 59.94 / 60 Hz

DTV

Resolution	Frequency (Hz)
1280 x 720p	50 / 59.94 / 60 Hz
1920 x 1080i	50 / 59.94 / 60 Hz
1920 x 1080P	25 Hz

Videos / Photos (In AllShare Play)

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

How to watch the 3D images

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

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

1. Go to the 3D screen. (Picture → 3D)
2. Select the 3D Mode, The 3D Mode screen appears.
3. Set the 3D Mode of the image you want to view.

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

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 Smart Hub screen appears.
3. The General Disclaimer screen appears. Select Agree.

   Screens can take a few seconds

to appear.

4. The Samsung Service Privacy policy screen appears. Select Agree.

5. The Update Pop-up appears. Select OK.

6. 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.

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

Using the Keypads and Keyboards

A number of Smart Hub applications

display a numeric keypad or a QWERTY keyboard so you can enter account names, passwords, and other data. In most applications, you can toggle between the numeric keypad and the QWERTY keyboard by selecting the B button.

Using the Numeric Keypad

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

punctuation, and symbols.

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

Method 1: Using the keypad of ABC type.

Example: Inputting “105Chang”.

1. Select the TTX/MIX key three times using your remote to change the input mode from lower case to numbers.

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

3. Select the TTX/MIX key three times using your remote to change the input mode from numbers to upper case.

4. Select 2 three times using your remote to input C.

5. Select the TTX/MIX key three times using your remote to change the input mode from upper case to lower

case.

6. Input the rest of “Chang” using your remote 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.

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

C. Select On, and then select OK.

Example: Inputting “105Chang”.

1. Select the TTX/MIX key three times using your remote to change the input mode from lower case to numbers.

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

3. Select the TTX/MIX key three times using your remote 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.

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 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.

  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 or a mouse to select and enter characters.

- Enter

  Enter the selected character.

- Return

  Returns to the previous menu.

- ◀◀ Prev Page

  Display the previous set of symbols/ icons.

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

- ▶▶ Next Page

  Display the next set of symbols/ icons.

  ✎ Available only when the keypad screen is in symbol/icon mode

(★).

Creating an Account

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

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

Smart Hub.

To create an account, follow these steps:

1. On the Smart Hub screen, select A using your remote. The Login screen appears.
2. Select Create Account using your remote. The Create Account screen appears.
3. Select Samsung account. An entry

screen and keypad appear.

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

✎ If you have a Bluetooth or USB keyboard attached to the TV, use the keyboard to enter the e-mail address. Then, in Steps 6 through 10, use the keyboard to enter the required password. Note that after you type in the e-mail address and password, you will need to use your remote to

continue.

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

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

7. Use the keypad to enter a password. The password can be any combination of letters, numbers, and symbols.

   Select A using your remote to display or hide the password as

you enter it.

8. When done, select OK.

9. Select Confirm Password. The Password screen and a keypad 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 Link to other accounts 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 web site. For registration instructions, go to Step 2 in Account Manager under Settings in the "Configuring Smart Hub with Settings" section of this manual.

- A Login / Logout

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

1. With the Smart Hub main screen displayed on your TV, select A using your remote. The Login screen appears.
2. Select the ▼ next to the Samsung account entry filed. 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. 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 Reset password bar. 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 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.

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

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

- Move to Folder

The Move to Folder function lets you move an application to a folder.

To use the Move to Folder function, follow these steps:

1. Select an application, and then open the Tools menu using your remote.
2. Select the Move to Folder. The Move to Folder window opens.
3. Select a folder using your remote. A move finished message appears. Select OK. The message window closes. The application has been moved to the folder.

✎ If you select an application in a folder, you can use the Move to Folder to move the application to the Smart Hub screen.

To access an application in a Folder

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

- Delete

The Delete function lets you delete applications from Smart Hub.

To use the Delete function, follow these steps:

1. Select an application, and then open the Tools menu using your remote.
2. Select the Delete. The message Do you want to delete selected item(s)? appears.

3. Select OK. 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.

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, enter a name for the folder.
4. When done, select OK at the bottom of the screen. The New Folder screen closes and the New Folder appears on the Smart Hub screen.

- Rename Folder

The Rename Folder function lets you

rename folders.

To use the Rename Folder function, follow these steps:

1. Select a folder, and then open the Tools menu using your remote.
2. Select the Rename Folder. The Rename Folder window and a keyboard screen appear.
3. Enter a new name using your remote or edit the old name.

4. When done, select OK. The Rename Folder window closes and the new or revised name appears below the folder.

- Lock

The Lock function lets you lock some applications in Smart Hub so they cannot be opened without entering 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.
2. Select Lock. The Security window appears.
3. Enter your security PIN using the remote. If you have not created a PIN, enter “0-0-0-0”.
4. A confirmation message screen

appears. Select OK. The message screen closes and a lock symbol appears to left of the application.

- Unlock

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

To use the Unlock function, follow these steps:

1. Select a locked application, and then open the Tools menu using your

remote.

2. Select Unlock. The Security window appears.

3. Enter your security PIN using the remote. If you have not created a PIN, enter “0-0-0-0”.

4. A confirmation message screen appears. Select OK. The message screen closes and the lock symbol to left of the application disappears.

- Information

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 three functions, you must be logged into your Samsung Smart Hub account.

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

1. Open the Tools menu using your remote.
2. Select Settings. The Settings window appears.

3. Select a menu item using your remote.

- Account Manager

The Account Manager menu contains functions that let you register your service provider accounts, and delete or deactivate your Samsung account.

Link to other accounts: If you have existing accounts with any of the providers listed by the Link to other accounts function, you can associate

the provider account and the provider account password with your Samsung account. If you associate the account, you will be able to log onto the account through Smart Hub easily, without entering your account name or password.

- Before 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. 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 Link to other accounts 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.

  ✎ 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 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.

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

   ✎ If you forget the PIN code, press the remote control buttons in the

following sequence in Standby mode, which resets the PIN to “0-0-0-0”: MUTE🔇 → 8 → 2 → 4 → ⏻ (Power on).

3. After a few moments, Smart Hub automatically resets. The screen may go black, and then Smart Hub re-appears. 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, memory usage, and the unique product ID.

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

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.

- B Filter by Price

  To toggle the view between All, Paid and Free.

- C Sort

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

✎ You can sort all categories except Most Popular.

- D View Mode

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

- ◀◀ Previous

Move to previous page.

- ▶▶ Next

  Move to next page.

- Tools

  Displays the option menu.

- ↩ Return

  Moves to previous menu.

Using Samsung Apps by category

The following categories are available:

- What's New?

User can easily find newly (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.
- Downloaded apps displays the list of free apps that are installed on the TV.

- Help

If you have questions about Samsung

Apps, check this section first.

To search for an application in Samsung Apps, follow these steps:

1. On the Samsung Apps screen, select Search Samsung Apps. The Search window and keyboard appears.
2. Enter a keyword using your remote. The keyword should be part of the name of an application. For example, enter f-a-c-e to search for Facebook.

3. When done, select OK at the bottom of the keyboard.

4. Wait until the search result screen displays. After Samsung Apps displays the results, you can select an application you want in the search result screen.

- You can 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.
2. If you want to input a search term

directly, select Enter search keyword. entry field. A keypad screen appears. Enter the search term using your remote.

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

Using the Search function by category

- Your Video

  Personalize your movie-watching with

a customized video on demand (VOD) recommendation service.

- Most searched

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

- Top application

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

download frequently.

- Search history

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

Using the coloured and function buttons with Search

- B Refresh

  Refresh the Search function.

- Tools

You can set general parameters for the Search function or delete the search history.

- ↩ Return

  Returns 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.
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, select RETURN↺.

- Search history

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

To delete a search history keyword, follow these steps:

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

Your Video

→ Your Video

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

Using this service from Smart Hub, you can get video recommendation, search for movies from multiple providers, and stream or purchase movies. To stream or purchase movies, you must have the vendors app installed in Smart Hub. Depending on the vendor, you may also

need a vendor account.

Using the Your Video Search Tab

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

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

4. To see additional lists of movies, move the highlight back to the top of the screen. You can select - in addition to Recommended - New releases, Top 20 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. 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

  Returns 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.

- C Search

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

- D 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

  Returns 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.

- C Search

  To search for movies or videos.

- D 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

  Returns 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

- A 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

  Returns to the previous page or menu.

Family Story

→ 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 I agree.

- You must agree with the terms prior to using Family Story.
- 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.

- 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, 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 a message..

   The keypad screen appears.

5. Enter member's name using your remote. When finished, select OK on the bottom of the keyboard, and then select Done.

6. Select Phone number or Samsung account ID. The keypad screen re-appears.

7. Enter the prospective member's phone number or Samsung account

ID using your remote. When finished, select OK on the bottom of the keyboard, and then select Done.

✎ If you want to add more prospective members, select Add Member, and repeat Steps 4 through 7.

8. When finished adding members, select Done. The Member Invitation Completed screen appears.

9. If invited by phone number, 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. 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 Deny 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 B Create using your remote. The Create screen appears.

4. Highlight and select Add on the

Album tab. The File Browser screen appears.

5. Highlight and select the USB device. The device opens, displaying either folders or picture files.

6. If picture files are displayed, highlight and select each file you want to upload. A check appears on each file.

7. If folders are displayed, highlight and select the folder that contains the

pictures you want to upload. Then, select each file you want to upload. A check appears on each file.

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

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

upload.

✎ To delete a photo from the upload queue, select Tools. In the Tools menu, select Delete Photos. Either highlight and select individual photos or select Delete All. When done, select the Delete button on the bottom of the page. A pop-up appears asking whether you want to delete the photos. Select Yes.

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

10. Select ↩ Return. The Cover Story (Main Family Story) screen appears displaying the photos.

✎ The Cover Story screen runs a continuous slide show of photos you uploaded. It also

displays some of the photos on a "shelf"below the slide show area.

Deleting a Picture

To delete a picture, follow these steps:

1. On the Cover Story screen, highlight and select the strip of photos on the bottom left. The Story of the Day screen appears.
2. Highlight and select the photo you

want to delete.

3. Select Tools.

4. In the Tools menu, select Delete. A message appears asking if you want to delete the photo.

5. Select OK. The picture is deleted.

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. The Create screen appears.

3. On the Memo tab, highlight and select the "enter Memo" area. The Enter memo screen and keyboard appear.

4. Use your remote to highlight and select letters. If you have a USB

or Bluetooth keyboard attached to the TV, use the Keyboard to type in letters.

5. When done, select OK on the on screen keyboard, 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. The Create screen appears.

4. On the Event tab, highlight and select the Event title field. The Event Title screen and keyboard appear.

5. Use your remote to highlight and

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

6. When done, select OK on the on screen keyboard, press the button. If you are using a physical keyboard, press ENTER on the keyboard.

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

The Event Tab reappears.

8. User your remote to highlight and select the "Enter Description" field. The Enter Description screen and keyboard appear.

9. Enter a description of the event the same way you entered the Event Title in Step 5. When done, close the Enter Description screen the same way you closed the Event Title screen in Steps 6 and 7.

10. Highlight and select the From field. The Time Settings screen appears. Use the up and down arrow buttons on your remote to change the values in each field. Use the left and right arrow buttons to move from field to field. Press 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 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 on your remote.

3. To view individual pictures, stop the slide show, and then press the left or

right arrow button on your remote.

4. To change the speed of the slide show, select the or µ 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 left. The Story of the Day screen appears displaying the

individual photos.

2. Highlight and select a photo. The individual photo is displayed.

- To add a comment about the photo, highlight and select the Add Comment button or select B. The 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. The Comment screen and keyboard appear.

Viewing Individual Events

1. On the Cover Story screen, highlight and select the events displayed on the right side. The Story of the Day screen appears displaying the individual events.

2. Highlight and select an event. The individual event is displayed.

- To add a comment about the event, highlight and select the Add Comment button or select B. The

Comment screen and keyboard appear.

- To watch a slide show of the pictures saved in the event, highlight and select the pictures at the bottom left of the screen. The slide show begins.

The Tools Menu Functions

The Tools Menu appears on most of the Family Story screens. This section provides a run down of all the Tools

Menu functions by screen.

Tools Menu Functions on the Cover Story Screen

Group Members: Lists the current group members and the current prospective members with invitations.

My groups: Lists the groups you are a member of. Also lets you access your groups.

Settings: Lets you edit your profile information and set whether your group

will allow new content, new members, new invitations, and issue event reminders.

Logout: Logs you out of Family Story and your 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

→ 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 Profile. 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. The Date pop-up appears.

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

8. Press the right arrow button on your remote control. The Unit pop-up appears.

9. Select your preferred units. The selected units will be applied throughout the Fitness app. Move to the right again. The Height pop-up appears.

10. Enter your height. This will be used to calculate your body mass index (BMI). Move to the right again. The Weight pop-up appears.

11. Enter your weight. This will be used to calculate your body mass index (BMI). Move to the right again. The application calculates your BMI.

12. The creation of your profile is finished. The TV displays your profile information and BMI. To start the

Fitness app, select Enjoy Fitness.

Using Fitness with categories

- Exercise

  Provides information on your exercise goal, current status and recommended contents.

- Progress

  Provide information on your basic body profile, exercise progress, achievement of your goals, etc.

- Edit

  Edit lets you change or adjust your fitness goals.

Selecting Exercise Programmes

Fitness displays a number of exercise videos and programmes you can use to help you reach your fitness goals. Each of these videos and programmes 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 programme. 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

→ 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. 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 Get New

Stickers. Only ten new sticker types are displayed in New Sticker at one time.

Browse all

Displays the kids or education-related applications list and all contents list.

- When you select an application or contents, if the application or contents has not been installed on the TV, the TV displays the corresponding download screen from

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.

Set Alarm

Lets you set how long your kids can

watch. When the time is up, the alarm window appears.

To set the time your kids can watch, follow these steps:

1. On the Parents screen, select Set Alarm. The Set Alarm screen appears.
2. Select Timer.
3. Select amount of time. The alarm is set.

Web Browser

→ Web Browser

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

Using this function provided by the Smart Hub, you can surf the Internet on your TV.

1. On the Smart Hub screen, select Web Browser. The Web Browser screen appears.
2. Surf the Internet in the same way as

on a PC.

Using the 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. Pointer Browsing is best if you have a mouse attached to the TV. Link Browsing only works if you are browsing using your remote.

When you select Pointer Browsing,

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

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

- D PIP

  Turns PIP on or off. With PIP on, you can watch TV while using the Web Browser.

- Tools

  Displays the Tools menu.

Control Panel: Shows or hides the control panel in the top of the screen.

Link Browsing / Pointer Browsing: You can change the cursor to Link Browsing mode or Pointer Browsing mode.

PIP: Turns PIP on or off.

PIP Settings: Lets you select where the PIP window is displayed on the screen and which sound source the TV plays, sound from the main screen (the browser) or sound from the sub screen

(the PIP window).

Add to Bookmark: Add the current page to your Bookmarks.

Enable Grabbing / Disable Grabbing: You can move a current web page in the direction you choose. To move a web page, select a page, and then move it in the direction you wish using your remote.

Available only when the cursor is set to Pointer Browsing.

- ◀◀ ▶▶ Scroll up/down

  You can scroll the page up or down.

- ↩ Return

  Close the Web Browser.

Using the Control Panel with Web Browser

The Web Browser has a series of icons across the top of the screen which provide a number of useful functions. With these icons, you can easily use the Web Browser. The icons are

described below, starting with the icon on the far left of the screen.

- Back

  Moves to the previous web page.

  ✎ If there is no previous web page, this icon will not work.

- Forward

  Moves to the next web page.

  ✎ If there is no next web page, this icon will not work.

- Refresh / Stop

Refreshes the current page or stops the current connection from loading.

- Home Page

  Goes to the URL you specified as 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 or mouse and bookmark it.

When you highlight a bookmark, the Options button appear on the right. In the Options 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 or mouse. When you highlight a page, the Options button appear on the right. In the Options 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**

Shows the URL of the current page. If

you select the URL field, the URL pop-up appears. Using your remote, you can enter a new URL directly.

- Windows List

  Displays list or images of open windows (the Windows List). You can 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 or mouse. By clicking the Text/ Image button in the upper right of the screen, you can toggle the Windows list between text descriptions of open windows and images of the open windows.

Using the Tools menu with Windows List

- Open new window

Open a new web browser window. The new web browser page automatically displays the home page.

- Close all windows

  Close all the currently opened windows listed in Windows List. After closing all windows, the TV opens a new web browser window automatically. The new web browser window automatically displays the

home page.

- Search

  Lets you search the web. When you select the Search entry field, the Search screen appears.

  To search the web by word input, follow these steps:

  1. On the Search screen, select the search engine.
  2. Select Please enter a keyword.. The

keyboard screen appears.

3. Enter the word you want to use as the keyword using your mouse or remote. The TV searches using the keyword and search engine you selected.

- Share

  Share the current web page with your Family Story.

- Options

  You can configure the Web Browser

settings.

Configuring the Web Browser Using Options

Move the cursor to the top of the screen, and then select the Options icon.

- Reading Tool

  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. 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 on / Private browsing off

Enable or disable the Privacy mode. When the Privacy mode is enabled, the browser does not retain the URLs of sites you visit. If you want to enable

Privacy mode, select Yes.

If the Privacy mode function is running, the “Stop” icon appears in front of the URL at the top of the screen. To disable Privacy mode, select it again when Privacy mode is enabled.

- PIP Settings

  Lets you configure the PIP function.

  PIP Position: Select a position for the PIP sub-picture.

  Sound: Select the audio source you will

hear - Main or Sub - when PIP is on.

- Web Browser 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 Browsing.

– Pointer Speed: Select a pointer speed.

Browser Information: Displays the version and copyright information for the Web Browser.

Skype

→ Skype

Skype created a little piece of software that makes communicating with people around the world easy and fun.

With Skype you can say hello or share a laugh with anyone, anywhere. And if both of you are on Skype, it's free. Communicate with people around the world!

To use Skype, you need the Samsung

TV Camera (sold separately). Other company's TV Cameras are not compatible with Skype on your TV.

- For more information, download the Skype user's manual from "www.samsung.com."

[Legal Statement]

Due to the various capabilities of products featuring the Samsung Smart Hub - Content Service, as well as

limitations in the available content, certain features, applications, and services may not be available on all devices or in all territories.

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

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

AllShare Play

→ AllShare Play

View or play photos, music, and movie files located on a USB Mass Storage Class (MSC) device, a PC, or a DLNA device (a cell phone, for example) on your TV.

- To view content on a USB device, you must plug the device into a USB port on the TV.
- If you want to use a USB HDD, we

recommend using a USB HDD that has a power adapter.

- To play content located on your PC or on a DLNA compatible cell phone, you must connect your PC and the TV to your network and download and install the AllShare network software on your PC. In addition, to play content located on a DLNA compatible device, you must have a wireless network.

Connecting a USB Device

1. Turn on your TV.
2. Connect a USB device containing photo, music and/or movie files to the USB port on the TV.
3. When a USB device is connected to the TV, the New device connected. window appears. Select a 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".

Disconnecting a USB Device

Method 1: Using the SOURCE button.

1. Press the SOURCE button.
2. Select a desired USB device, and then press the TOOLS button. The Tools menu appears.
3. Select Safely Remove USB Device, and then wait until the selected USB device is disconnected. You can remove a USB device from the TV.

Method 2: Using the AllShare Play home screen.

1. Go to AllShare Play home screen. (→ AllShare Play)
2. Select any category except My list, and then press the button.
3. Select a desired USB device, and then press the TOOLS button. The Tools menu appears.
4. Select Safely Remove USB Device,

and then wait until the selected USB device is disconnected. You can remove a USB device from the TV.

To remove a USB device from the TV, we recommend use Safely Remove USB Device function.

Read this information before using AllShare Play with a USB device.

Restrictions and Cautions

- Before connecting your device to the TV, please back up your files ensure against file damage or data loss. SAMSUNG is not responsible for any data file damage or data loss.
- Connect a USB HDD to the dedicated USB (HDD 5V 0.5A) port.
- Do not disconnect a USB device while it is being read by the TV.
- If you connect a USB device with a USB extension cable, the TV may not

recognise the USB device or read the files on the device.

- If a USB device you connect to the TV is not recognised, the files on the device are corrupted, or a file in the list is not played, connect the USB device to a PC, format the device, re-copy the files to the device, and then try playing again.

- If a file you deleted from the PC is still found when you run Smart Hub,

use the “Empty the Recycle Bin” function on the PC to permanently delete the file.

- If your PC cannot construct a functional database of saved files on a USB device because there is no free space on the USB device, you may not be able to view any new files you have added, even though you have saved these files to the USB device.

Supported Devices

- Certain types of USB Digital camera and audio devices may not be compatible with this TV.
- AllShare Play supports only USB Mass Storage Class (MSC) devices. MSC is a Mass Storage Class Bulk-Only Transport device. Examples of MSC include Thumb drives, Flash Card Readers, and USB HDD (USB

HUB are not supported). Devices should be connected directly to the TV's USB port.

- More than 3TB USB HDD is not supported.
- If more than 2 PTP devices are connected, you can only use one at a time.
- If more than two MSC devices are connected, some of the devices may not be recognised.

- 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 unlicenced multimedia files.
- MTP (Media Transfer Protocol) is not supported.
- The file system supports FAT16, FAT32, and NTFS.
- AllShare Play supports only the Sequential jpeg format. It does not support the Progressive jpeg format.

- The higher the resolution of the image, the longer it takes to display on the screen.
- The maximum supported JPEG resolution is 15360 X 8640 pixels.
- If a file is corrupted or the TV does not support the file type, the Not Supported File Format. message appears.
- If the files are sorted by Folder view, the TV can display the names of up

to 1000 files in each folder.

- If the number of files and folders saved on a USB storage device is over approximately 8000, some files and folders may not appear and some folders may be unopen able.

- 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 memorises 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.

You can play the content in the Web storage on TV. Follow the instructions below:

– Enter the AllShare Play service on TV → Select a content type of

Music, Photo, and Video → Select SugarSync → Select a file to play.

– Visit www.sugarsync.com and you can upload PC contents to the Web stroage (SugarSync). However, you can use the TV to play the content in the PC only where the uploading path is Web Archive - AllShare Play - Music / Photos / Videos

– You can also use the TV to play the content in a AllShare Play - enabled

mobile device where the uploading path is specified as above.

– When you visit the www.allshareplay.com website, you will see how you can upload the content on your PC to the Web storage (SugarSync).

Using the AllShare Play

AllShare Play enables you to enjoy the following services. You need to log in to your Samsung account to use web storage or social services.

AllShare Play can play various contents in three ways:

- Using USB Device: You can play videos, photos, or music from a connected USB device.
- Using DLNA or Web storage: You can

play various contents from devices connected to your home network or web storage.

– Using Social Services: You can play some content from social services such as Family Story, Facebook or Picasa.

Before using Facebook or Picasa, it should be installed in the Smart Hub.

To use SugarSync, Facebook, or Picasa, you should log in

to corresponding application. Alternatively, you can register your application account in to your Samsung account. To register your application account, refer to "Configuring the Smart Hub with Settings" in the Smart Hub section.

- To use Family Story, you should log in to your Samsung account. Before using Family Story, you should join a group at least one more.

You can transfer a desired content to other device connected to the TV.

Contents Type	Supported transfer device
USB	DLNA, SugarSync, Family Story, Picasa, Facebook
Camera	DLNA
DLNA	USB
SugarSync	USB
Family Story	USB
Picasa	USB
Facebook	USB
Mobile device	USB

My list (In AllShare Play)

→ AllShare Play → My list

Using this function, you can access content easily and quickly.

- Recently played

  Displays a list of recently played video, photo or music files. If you have a file you want to play again, use this list.

  When you 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.

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 or accept the default name.

11. When finished, Select Done. The new playlist is created. The Added pop-up appears.

12. Select Play to play now or OK to play later.

To add files a playlist, follow these steps:

1. On the AllShare Play main screen, select Videos, Photos, or Music on the left side of the screen.

   ✎ You must select the kind of content that is already in the playlist. For example, if you want to add files to a music playlist, you must select Music.

2. On the right side of the screen, highlight and select the device that has the files you want in the playlist.

AllShare Play displays the folders and/or files on the device.

3. If AllShare Play is displaying folders, highlight and select the folder that contains the files you want. If it is only displaying files, go to Step 4.

4. Highlight a file, and then open the Tools menu using your remote,

5. Highlight and select Add to Playlist.

6. Highlight and select a file you want to add. 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.

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, 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 4 to select additional files.

   To select all the files in the list, select Select All. To cancel a

selection, select the file again.

6. When done, select Remove. A pop-up message appears.
7. Select Yes. The selected file(s) has been removed from the playlist.

Videos (In AllShare Play)

→ AllShare Play → Videos

You can play video files saved on USB device and/or your PC.

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

Playing a Video

1. On the AllShare Play screen, select Videos.

2. Highlight and select the device you want to play.

3. If AllShare Play displays folders, highlight and select the folder that contains the file you want, then go to Step 4. If AllShare Play displays files only, go directly to Step 4.

4. Highlight and select the desired video on the file list screen.

- If you stop the video while it is playing, you can play the video later from the point where you stopped it.
- The file name appears on the top of the screen with the video's playing time.
- If video time information is unknown, the playing time and progress bar are not displayed.

Video playback control buttons

- ◀◀, ▶▶

  Each time you select ◀◀ or ▶▶ using your remote, the playback speed change as follows. (◀◀ 1 / ◀◀ 2 / ◀◀ 3 / ▶▶ 1 / ▶▶ 2 / ▶▶ 3)

- ◀, ▶

  Jump to backward or forward from current position.

- II

  Pause the scene.

– For Slow Motion: In pause mode, select ⏩. Each time you select ⏩ using your remote, the playback speed is reduced in this order ⏯ 1/8 / ⏯1/4 / ⏯1/2. The playback speed is displayed in the upper left corner.

– For Step Mode: In pause mode, select ⏸. Each time you select ⏸ using your remote, a new frame will be appear.

- To return to normal speed playback, select ▶ using your remote.
- The product does not play sound in Step mode or Slow Motion.
- Slow Motion and Step Mode operate only in the forward direction.

Using the Tools menu with Videos

- On the file list screen, you can use the

following 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 to your Web storage, or other devices.

✎ If you want to use this function,

you must log in to Smart Hub.

– Login / Logout

You can login to or logout of your 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 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.

– Time Search

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

– Repeat Mode

You can play a single movie file or all the files on the play list screen repeatedly.

– Picture Size

Lets you adjust the picture size to your preference.

– Picture Mode

You can change the Picture Mode.

– Sound Mode

You can change the Sound Mode.

– Audio Language

You can listen to the video in one of 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 your Web storage rather than a USB device, View is not supported.

1. To sort files in the file lists, select D using your remote. The View screen appears.

2. Select sort criteria.

- Folder view

  Displays the folders on the device in alphabetical order. To view the file names and thumbnails, select a

folder.

- Title

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

- Latest Date

  Sorts and displays files by the latest create date.

- Earliest Date

  Sorts and displays files by the earliest create date.

Send your video files

Lets you send your video files to your Web storage, or other devices.

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

1. To send video files in the file list, open the Tools menu using your remote, and then select Send.
2. Select a video file you want to send. The ✓ mark appears in the check

box.

3. Repeat Step 2 to select additional tracks.

   To select all the files in the list, select Select All. To cancel a selection, select the file again.

4. When done, select Send. The Send screen appears.

5. Choose the destination device to send, and then select Send.

6. From these steps, please follow the

instructions on the screen.

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. If AllShare Play displays photo thumbnails, go directly to Step 4.

5. To start a slide show, select ► using your remote.

✎ To view another photo manually,

press the ◀ or ▶ button.

- During the slide show, all files in the file list are displayed in order, starting from the file you selected.
- When viewing a photo file or slide show, you can add background music if you have music files on same device.
- If you select the wrong background music, you cannot change the music until the BGM

has finished loading.

Photo playback control buttons

- ◀◀ / ▶▶

  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.

- ıı

  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 photo files to your Web storage, Social Services or

other devices.

✎ 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.

– Slide Show Speed

You can select the slide show speed during the slide show. Alternatively, select ⏪ or ⏩ using your remote.

– Background Music On / Background Music Off

You can turn 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.

– Sound Mode

You can change the Sound Mode.

Available only when Background Music is set to on.

– Zoom

You can zoom into images in full

screen mode.

– Rotate

You can rotate images.

– Information

Displays detailed information about the selected file.

Using the View function with Photo Files

When you use the AllShare Play function with Family Story, Facebook, or Picasa rather than a USB device,

View is not supported.

1. To sort files in the file lists, select D using your remote. The View screen appears.
2. Select sort criteria.

- Folder view

  Displays the folders on the device in alphabetical order. To view the file names and thumbnails, select a folder.

- Title

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

- Latest Date

  Sorts and displays files by the latest create date.

- Earliest Date

  Sorts and displays files by the earliest create date.

- Monthly

  Sorts and shows photo files by

month.

Send your photos

Lets you send your photo files to your Web storage, Social Services 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 photo files in the file list,

highlight a file, open the Tools menu using your remote, 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, 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.

✎ To move to a previous page, select

B using your remote. To move to the next page, select C using your remote.

- When the music is playing, you can fast forward or fast rewind the music file by selecting ◀◀ or ▶▶ using your remote.

- If the sound is abnormal when you play MP3 files, adjust the 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 ıı using your remote.

- Repeat Mode

You can play one or all the music files shown in the file list repeatedly.

- Shuffle Mode

  You can play the music files sequentially or randomly.

- Sound Mode

  You can change the Sound Mode.

Using the Tools menu with Music

- To use the Tools menu with Music, you must first highlight a music file

on the file list screen. After you have highlighted a music file on the file list screen, you can use the following options in the Tools menu:

– View

  You can sort the file list by one of four sort criteria.

– Play selection

  Lets you select one or more files to play immediately.

– Send

Lets you send your music files to your Web storage, or other devices.

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

– Login / Logout

You can login to or logout of your 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

Moves to the Playlist screen.

– Encoding

You can select an encoding format from the encoding format list.

– Information

Displays detailed information about the selected file.

Using Play Selection with music files

1. Highlight a music file in the file list.

2. Open the Tools menu using your remote, 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 files.

   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 your Web storage rather than a USB device, View is not supported.

1. To sort files in the file lists, select D using your remote. The View screen appears.

2. Select 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 to your Web storage, or other devices.

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

1. To send music files in the file list, open the Tools menu using your remote, and then select Send.
2. Select a music file you want to send. The ✓ mark appears in the check box.
3. Repeat Step 2 to select additional tracks.

✎ To select all the files in the list,

select Select All. To cancel a selection, select the file again.

4. When done, select Send. The Send screen appears.
5. Choose the destination device to send, and then select Send.
6. From these steps, please follow the instructions on the screen.

→ 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 DLNA function, follow these steps:

1. On the AllShare Play screen, select the kind of content you want to play: Videos, Photos, Music.
2. On the right side of the screen,

select DLNA. The TV displays the list of devices connected using the DLNA function.

3. Select a device. AllShare displays the accessible files or folders on the device.

4. Select a file in the file list. The selected file will play.

Playing media contents saved on DLNA devices

1. Connect the mobile phone or other devices which support AllShare Play function.

2. Play media contents on the device. A popup screen appears on the bottom of your TV.

3. Select Allow to accept the connected device. The media contents of the device can now play on your TV.

   ✎ You can find the allowed devices on AllShare Settings.

✎ An alarm window appears informing you that media contents (videos, photos, music) sent from a mobile phone will be displayed on your TV. The contents are played automatically 3 seconds after the alarm window appears.

– If you close the alarm window using your remote when the alarm window appears, the media contents are not played.

- The first time a device accesses your TV through the media function, a warning pop up window appears. Select Allow. This permits the phone to access the TV freely and use the Media function to play content.

- To turn off media contents transmissions from a mobile phone, set the device to Denied in the AllShare Settings.

- Contents may not play on your TV depending on their resolution and format.
- Some buttons may not work depending on the type of media content.
- Using the mobile device, you can control the media play. For details, refer to each device's user's guide.

Anynet+ (HDMI-CEC)

Menu → System → Anynet+ (HDMI-CEC)

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

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

refer to the device's user manual.

You must connect an Anynet+ device using an HDMI cable. Some HDMI cables may not support Anynet+ functions.

- Anynet+ works when the AV device supporting Anynet+ is in the standby or on status.

- Anynet+ supports up to 12 AV devices in total. Note that you can connect up to 3 devices of the same

type.

✎ However, you can connect only one Anynet+ Home 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, 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 from the TV 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 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 6200 Series and above, PDP TV

You can listen to sound from the TV through a receiver connected using an HDMI cable without connecting a separate optical cable. To listen to sound through a receiver using the ARC function, go to 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 line up.

- Antenna 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 (within 1m) may cause noise in the picture on analogue TV.

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 Picture mode / 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, 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 antenna 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.

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 antenna 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.

Aerial(Air / Cable) Connection (Troubleshooting)

The TV is not receiving all channels.

- Make sure the Antenna 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 Antenna 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.

The wireless network connection failed.

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

  for LED 4500 - 5600 series

- Make sure the TV is connected to a wireless IP sharer (router).

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.

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 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 using the Setup procedure. Select TV in the Source using your remote, and go to System → Setup.

You have intermittent loss of audio or video.

- Check the cable connections and reconnect them.

- Loss of audio or video can be caused by using overly rigid or thick cables. Make sure the cables are flexible enough for long term use. If mounting the TV to 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.

You turned the TV off 45 minutes ago, and it turned on again.

- It is normal. The TV operates the OTA (Over The Aerial) function itself

to upgrade firmware downloaded whilst you're watching TV.

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 (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.

The Plasma TV is making humming noise.

for PDP TV Plasma TVs typically make a soft humming sound. This is normal. It's caused by the electrical charges that are used to create the images on the screen.

If the humming sound is loud, you may have set the brightness on the TV too high. Try setting the brightness lower.

You can also have loud humming if the

back of your Plasma TV is too close to a wall or other hard surface. Also, try rerouting your connection cables.

An improperly installed wall mount can also create excessive noise.

Image Retention (Burn In) Issue.

for PDP TV To minimize the possibility of screen burn, this unit is equipped with Pixel Shift screen burn reduction technology. Pixel Shift lets you set the

picture so it moves slightly up and down (Vertical Line) and side to side (Horizontal Dot). The regular, slight movement of the picture reduces screen burn in.

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 and then select Anynet+ (HDMI-CEC). Then select a menu you want.

I want to exit Anynet+.

Select View TV in the Anynet+ menu.

Go to the Source screen using your remote and select a non- Anynet+ device.

The message Connecting to Anynet+ device ... appears on the screen.

You cannot use the remote control when you are configuring Anynet+ or switching to a view mode.

Use the remote control after the TV has completed Anynet+ configuration or has finished switching to Anynet+.

The Anynet+ device does not play.

You cannot use the play function when Setup is in progress.

The connected device is not displayed.

Check whether or not the device supports Anynet+ functions.

Check whether or not the HDMI cable is properly connected.

Check whether Anynet+ (HDMI-CEC) is set to On. (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)** port and can only be operated when the TV is connected to an audio receiver that supports the ARC function.

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.

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 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.

25. Some video or audio content may

not play during Flash playback depending on the video/audio codec supported.

26. A sudden change in the picture brightness inside the video window may affect the brightness of the surrounding stationary picture. for PDP TV

27. If you use QWERTY keyboard screen when you use Web Browser with PIP function, the PIP function turns off

automatically except inputting a URL address.

Supported Subtitle and AllShare Play file formats

Subtitle

External

- MPEG-4 timed text (.ttxt)
- SAMI (.smi)
- SubRip (.srt)
- SubViewer (.sub)
- Micro (.sub or .txt)

- SubStation Alpha (.ssa)
- Advanced SubStation Alpha (.ass)
- Powerdivx (.psb)

Internal

- **Xsub**

  Container: AVI

- **SubStation Alpha**

  Container: MKV

- **Advanced SubStation Alpha**

  Container: MKV

– **SubRip**

Container: MKV

– **MPEG-4 timed text**

Container: MP4

Supported image resolutions

File Extension	Type	Resolution
*.jpg	JPG	15360 x 8640
*.png	PNG	1920 x 1080
*.bmp	BMP	1920 x 1080
*.mpo	MPO	15360 x 8640

Supported music file formats

File Extension	Type	Codec	Comments
*.mp3	MP3	MPEG1 Audio Layer 3	
*.m4a *.mpa *.aac *.3ga	MPEG4	AAC	
*.flac	FLAC	FLAC	The Seek (jump) function is not supported. Supports up to 2 channel
*.ogg	OGG	Vorbis	Supports up to 2 channel
*.wma	WMA	WMA	WMA 10 Pro supports up to 5.1 channel. WMA lossless audio is not supported.

Video Codec

File Extension	Container	Video Codec	Resolution	Frame rate (fps)	Bit rate (Mbps)	Audio Codec
*.avi *.mkv *.asf *.wmv *.mp4 *.3gp *.vro *.mpg *.mpeg *.ts *.tp *.trp *.mov *.flv *.vob *.svi *.m2ts *.mts *.webm *.divx	AVI MKV ASF MP4 3GP VRO VOB PS TS WebM	DIVX 3.11/4.x/5.x/6.x	1920 x 1080	6 - 30	30	AC3 LPCM ADMPCM(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	640 x 480		8	
		Window Media Video v9	1920 x 1080		30	
		MPEG2				
		MPEG1				
		VP8				
		VP6	640 x 480		4	

This part is just supported by the models of China and HongKong.

*.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 SVAF Top/Bottom and Side by Side.
- Supports only BD MVC Spec.

Audio decoder

- WMA 9, 10 Pro supports up to 5.1 channel and M2 profile (except LBR mode of M0).
- WMA lossless audio is not supported.
- If Vorbis is only in Webm container, supports up to 2 channel.

Teletext Feature

(Depending on the country)

The index page of the Teletext service gives you information on how to use the Service. For Teletext information to be displayed correctly, channel reception must be stable. Otherwise, information may be missing or some pages may not be displayed.

- You can change Teletext pages by select numeric using your remote

control.

Teletext on / mix / off: Activates the Teletext mode for the current channel. Press the button twice to overlap the Teletext mode with the current broadcasting screen. Press it one more time to exit teletext.

Store: Stores the Teletext pages.

Size: Displays the teletext on the upper half of the screen in double-size. To move the text to the lower half of

the screen, press it again. For normal display, press it once again.

Hold: Holds the display at the current page, in the case that there are several secondary pages that follow automatically. To undo, press it again.

Colour buttons (**red**, **green**, **yellow**, **blue**): If the FASTEXT system is used by the broadcasting company, the different topics on a Teletext page are colour-coded and can be selected by coloured

buttons. Press the colour corresponding to the topic of your choice. A new colour coded page is displayed. Items can be selected in the same way. To display the previous or next page, select corresponding coloured button.

Mode: Selects the Teletext mode (LIST / FLOF).If pressed during LIST mode, switches the mode to List save mode. In List save mode, you can save a Teletext page into a list using the 8

(store) button.

Sub-page: Displays the available sub-page.

Page up: Displays the next Teletext page.

Page down: Displays the previous Teletext page.

Index: Displays the index (contents) page at any time while you are viewing Teletext.

Reveal: Displays the hidden text

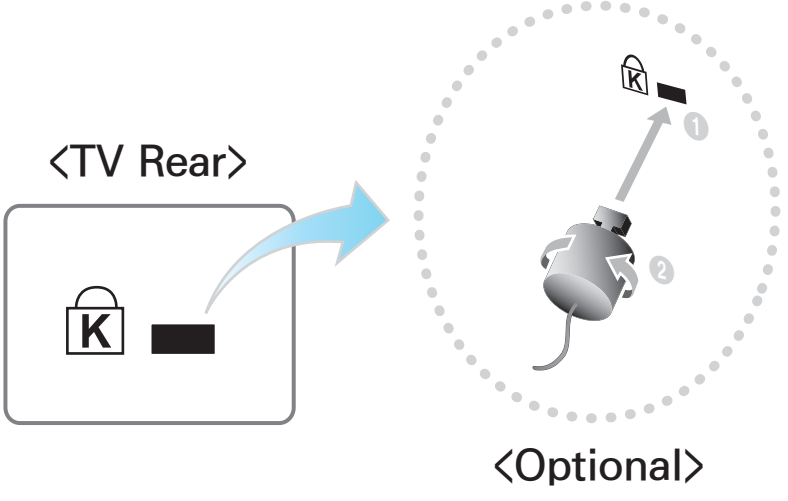
(answers to quiz games, for example). To display the normal screen, press it again.

Cancel: Shrinks the Teletext display to overlap with the current broadcast.

Typical Teletext page

Part	Contents
A	Selected page number.
B	Broadcasting channel identity.
C	Current page number or search indications.
D	Date and time.
E	Text.
F	Status information. FASTEXT information.

Anti-theft Kensington Lock



A Kensington Lock is a device you can use to physically fix your TV in place when using it in a public place.

You wrap the Kensington Lock's cable

around a large, immobile object and then attach the lock to the Kensington slot on the back of the TV.

The appearance and locking method may differ from the illustration below depending on the manufacturer.

Refer to the manual provided with the Kensington Lock for additional information on proper use. The Kensington Lock is not supplied by Samsung.

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

To lock the product, follow these steps:

1. Wrap the Kensington Lock cable around a large, stationary object such as desk or chair.
2. Slide the end of the cable with the lock attached through the looped end of the Kensington Lock cable.

3. Insert the locking device into the Kensington slot on the product.

4. Lock the lock.

- These are general instructions. For exact instructions, see the User manual supplied with the locking device.
- The locking device has to be purchased separately.
- The location of the Kensington slot may be different depending on the

TV model.

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