SAMSUNG

SAMSUNG

LCD TV

LA32R8
LA37R8
LA40R8
LA40M8
LA46M8
LA52M8

Contact SAMSUNG WORLD-WIDE

If you have any questions or comments relating to Samsung products,
please contact the SAMSUNG customer care centre.

Country	Customer Care Centre ☎	Web Site
AUSTRALIA	1300 362 603	www.samsung.com/au
CHINA	800-810-5858 , 010- 6475 1880	www.samsung.com.cn
HONG KONG	3698 - 4698	www.samsung.com/hk
INDIA	3030 8282 1800 1100 11	www.samsung.com/in
INDONESIA	0800-112-8888	www.samsung.com/id
JAPAN	0120-327-527	www.samsung.com/jp
MALAYSIA	1800-88-9999	www.samsung.com/my
PHILIPPINES	1800-10-SAMSUNG (7267864)	www.samsung.com/ph
SINGAPORE	1800-SAMSUNG (7267864)	www.samsung.com/sg
THAILAND	1800-29-3232 02-689-3232	www.samsung.com/th
TAIWAN	0800-329-999	www.samsung.com/tw
VIETNAM	1 800 588 889	www.samsung.vn
SOUTH AFRICA	0860 7267864 (SAMSUNG)	www.samsung.com/za
U.A.E	800SAMSUNG (7267864) 8000-4726	www.samsung.com/mea

Owner's Instructions

Before operating the unit,
please read this manual thoroughly,
and retain it for future reference.

ON-SCREEN MENUS
PC DISPLAY
PICTURE IN PICTURE (PIP)
TELETEXT

Contents

Symbol	Press	Important	Note	One-Touch Button

List of Parts

Please make sure the following items are included with your LCD TV.
If any items are missing, contact your dealer.

Remote Control & Batteries (AAA x 2)	Power Cord	Cover-Bottom	M4 X L16 Stand Screw X 4	Stand	Cleaning Cloth

◆Owner's Instructions	◆Warranty card	◆Safety Guide	◆Registration Card

➢ Warranty card / Safety Guide / Registration Cards (Not available in all locations)

➢ The stand and stand screw may not be included depending on the model.

Installing the Stand

< 2 >   < 3 >
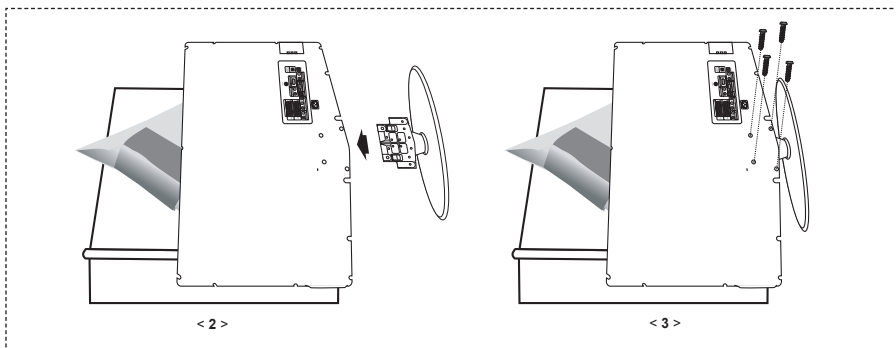
1. Place the TV faced down on a soft cloth or cushion on a table.

2. Put the stand into the hole at the bottom of the TV.

3. Insert screw into the hole indicated and tighten.

➢ The stand is installed for models with the screen size of 37 inch and above.

Installing the Wall Mount Kit
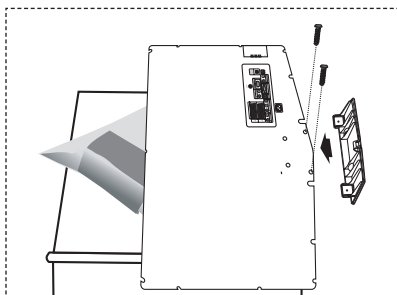
Wall mount items (sold separately) allow you to mount the TV on the wall.
For detailed information on installing the wall mount, see the instructions provided with the Wall Mount items. Contact a technician for assistance when installing the wall mounted bracket.
Samsung Electronics is not responsible for any damage to the product or injury to yourself or others if you elect to install the TV on your own.

➢ Remove the stand and cover the bottom hole with a cap and fasten with two screws.

Viewing the Control Panel

(LA32R8, LA37R8, LA40R8)
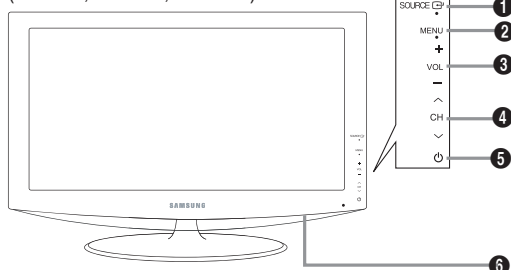
Front Panel buttons

Touch the right side of each button to operate.

(LA40M8, LA46M8, LA52M8)
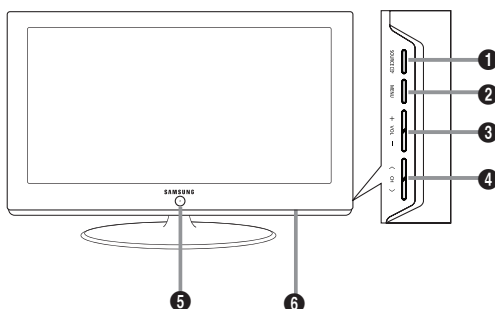
➢ The product colour and shape may vary depending on the model.

❶ **SOURCE** ⊡
Toggles between all the available input sources (TV, AV.1, AV.2, S-Video, Component1, Component2, PC, HDMI1, HDMI2, HDMI3). In the on-screen menu, use this button as you use the **ENTER/OK** button on the remote control.

❷ **MENU**
Press to see an on-screen menu of your TV's features.

❸ **+ VOL -**

Press to increase or decrease the volume. In the on-screen menu, use the + VOL - buttons as you use the ◄ and ► buttons on the remote control.

❹ ⟨ **CH** ⟩
Press to change channels. In the on-screen menu, use the ⟨ **CH** ⟩ buttons as you use the ▲ and ▼ buttons on the remote control. (Without the Remote Control, you can turn on the TV by using the Channel buttons.)

❺ ⏻ **(POWER)**
Press to turn the TV on and off. **Power Indicator** Blinks and turns off when the power is on and lights up in stand-by mode. **Remote Control Sensor** Aim the remote control towards this spot on the TV.

❻ **Speakers**

Viewing the Connection Panel

Power Input
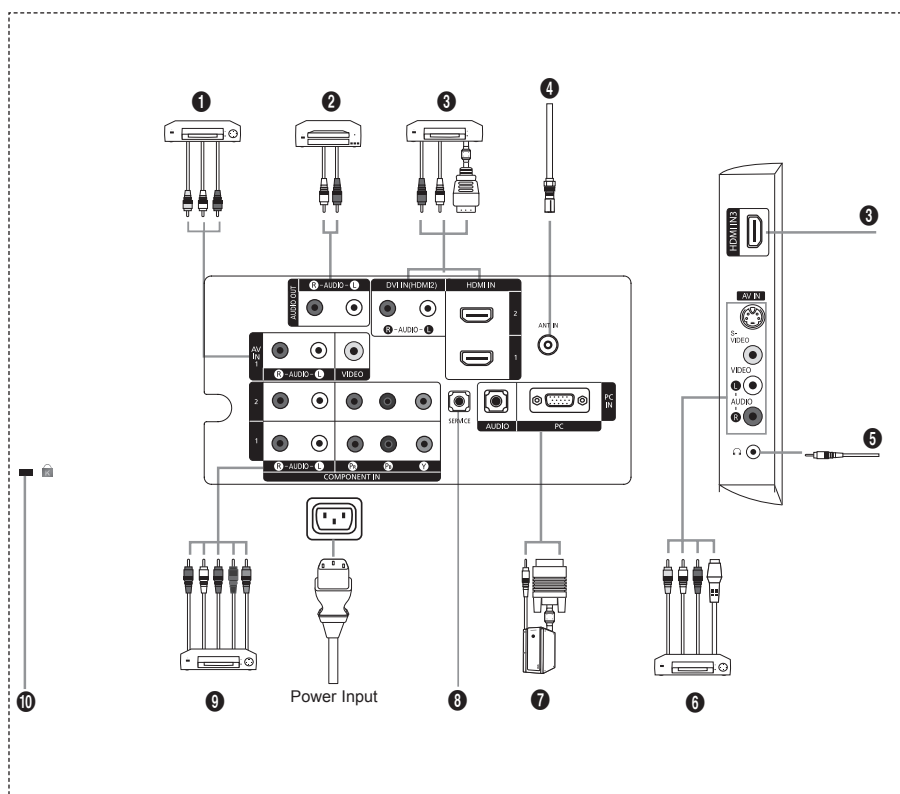
➣ Whenever you connect an external device to your TV, make sure that power on the unit is turned off.
➣ When connecting an external device, match the colour of the connection terminal to the cable.

❶ **Connecting External A/V Devices (AV IN 1)**

- Connect RCA cable to an appropriate external A/V device such as VCR, DVD or Camcorder.
- Connect RCA audio cables to "R - AUDIO - L" on the rear of your set and the other ends to corresponding audio out connectors on the A/V device.

❷ **Connecting AUDIO**

- Connect RCA audio cables to "R - AUDIO - L" on the rear of your set and the other ends to corresponding audio in connectors on the Amplifier or DVD Home Theater.

❸ HDMI IN 1, HDMI IN 2, HDMI IN 3
  - Supports connections between HDMI-connection-enabled AV devices (Set-Top Boxes, DVD players)
  - No additional Audio connection is needed for an HDMI to HDMI connection.
  ➢ What is HDMI?
   - "High Definition Multimedia interface" allows the transmission of high definition digital video
     data and multiple channels of digital audio (5. 1 channels).
   - The HDMI/DVI terminal supports DVI connection to an extended device with the appropriate cable
     (not supplied). The difference between HDMI and DVI is that the HDMI device is smaller in size,
     has the HDCP (High Bandwidth Digital Copy Protection) coding feature installed, and supports
     multi - channel digital audio.

DVI IN(HDMI 2)(AUDIO R/L)
  - When connecting this product via HDMI or DVI to a Set Top Box, DVD Player or Games Console
    etc, make sure that it has been set to a compatible video output mode as shown in the table
    below. Failure to observe this may result in picture distortion, image breakup or no picture.
  - When using an HDMI/DVI cable connection, it is only possible from the HDMI 2 IN terminal.
  ➢ You should use the DVI-to-HDMI cable or DVI-HDMI Adapter for the connection, and the
     "R - AUDIO - L" terminal on DVI for sound output.
  ➢ Supported modes for HDMI/DVI and Component

LA32R8, LA37R8, LA40R8 Models

	480i	480p	576i	576p	720p	1080i
HDMI/DVI 50Hz	X	X	X	O	O	O
HDMI/DVI 60Hz	X	O	X	X	O	O
Component	O	O	O	O	O	O

LA40M8, LA46M8, LA52M8 Models

	480i	480p	576i	576p	720p	1080i	1080p
HDMI/DVI 50Hz	X	X	X	O	O	O	O
HDMI/DVI 60Hz	X	O	X	X	O	O	O
Component	O	O	O	O	O	O	O

  ➢ The external devices that support lower versioned HDMI mode may not implement sound output
     for the TV with the latest HDMI version (HDMI 1.3). In this case, connect to HDMI IN 2 and DVI IN
     (HDMI 2) "R - AUDIO - L" on the back panel of the TV.
     Part of lower versioned HDMI cables may cause annoying flickers or no screen display.
     In this case use the cable that supports the latest HDMI version (HDMI 1.3).

❹ Connecting an Aerial or Cable Television Network
   To view television channels correctly, a signal must be received by the set from one of the following
   sources:
   - An outdoor aerial / A cable television network / A satellite network

❻ Connecting External A/V Devices
  - Connect RCA or S-VIDEO cable to an appropriate external A/V device such as VCR, DVD or
    Camcorder.
  - Connect RCA audio cables to "R - AUDIO - L" on the rear of your set and the other ends to corre
    sponding audio out connectors on the A/V device.
  - Headphone may be connected to the headphone output (❺) on the rear of your set. While the
    head phone is connected, the sound from the built-in speakers will be disabled.

❼ Connecting Computer
  - Connect the D- Sub cable (optional) to "PC (PC IN)" on the rear of your set and the other end to
    the Video Card of your computer.
  - Connect the stereo audio cable (optional) to "AUDIO (PC IN)" on the rear of your set and the other
    end to "Audio Out" of the sound card on your computer.

❽ SERVICE
  - Service connection for qualified service engineer.
  - Auto Wall-Mount (Refer to page 46)

❾ Connecting Component Devices (DVD)
- Connect component video cables (optional) to component connector ("PR", "PB", "Y") on the rear of your set and the other ends to corresponding component video out connectors on the DVD.
- If you wish to connect both the Set-Top Box and (or DVD), you should connect the Set-Top Box to the (or DVD) and connect the (or DVD) to component connector ("PR", "PB", "Y") on your set.
- The PR, PB and Y connectors on your component devices (DVD) are sometimes labeled Y, B-Y and R-Y or Y, Cb and Cr.
- Connect RCA audio cables (optional) to "R - AUDIO - L" on the rear of your set and the other ends to corresponding audio out connectors on the DVD.
- This LCD TV displays its optimum picture resolution in 720p mode.
- This LCD TV displays its maximum picture resolution in 1080i mode.

❿ Kensington Lock
- The Kensington lock (optional) is a device used to physically fix the system when used in a public place.
- If you want to use a locking device, contact the dealer where you purchased the TV.
- The place of the Kensington Lock may be different depending on its model.

Viewing the Remote Control

❶ Selects a target device to be controlled by the Samsung remote control (TV, DVD, STB, CABLE, VCR) (Refer to page 36~38)

❷ Television Standby button

❸ Number buttons for direct channel access

❹ One/Two-digit channel selection

❺ It display "Channel List" on the screen.

❻ Selects the TV mode directly

❼ VCR/DVD Functions Rewind, Stop, Play/Pause, Fast/Forward

❽ ☉ Volume increase
☉ Volume decrease

❾ Temporary sound switch-off

❿ Menu display and change confirmation

⓫ Returns to the previous menu.

⓭ Sound effect selection

⓮ SRS TS XT selection

⓯ Adjusts 5 separate devices - TV, DVD, STB, CABLE, or VCR.

⓰ When pressing this button, a number of buttons on the remote control (e.g. Selects a target device, volume, channel and MUTE buttons) light up for a few seconds and then turn off to save power. This function is to conveniently use the remote control at night or when dark.

⓱ Available source selection

⓲ Previous channel

⓳ Automatic Power-off

⓴ Records for Live Broadcasting (Anynet+ function only) (Refer to page 43)

㉑ P☉: Next channel
P☉: Previous channel

㉒ Exit the OSD

㉓ Control the cursor in the menu

㉔ Use to see information on the current broadcast

㉕ Runs the Anynet view functions and sets up Anynet devices.

㉖ Picture size selection

㉗ PIP:Picture-In-Picture On / Off
SOURCE: Input source selection
POSITION: PIP position selection
P ▭: Next channel
P ▭: Previous channel

㉘ When your remote does not work, change the batteries and press the "RESET" button for 2-3 seconds before use.

Teletext Functions

❽ Exit from the teletext display

❿ Teletext index

⓬ Alternately select Teletext, Double, or Mix.

⓱ Teletext mode selection (LIST/FLOF)

⓳ Teletext sub page

㉒ P☉: Teletext next page
P☉: Teletext previous page

㉓ Teletext cancel

㉔ Teletext reveal
㉖ Fastext topic selection
㉗ PIP:Teletext Hold
㉗ SOURCE: Teletext Store
㉗ POSITION: Teletext size selection
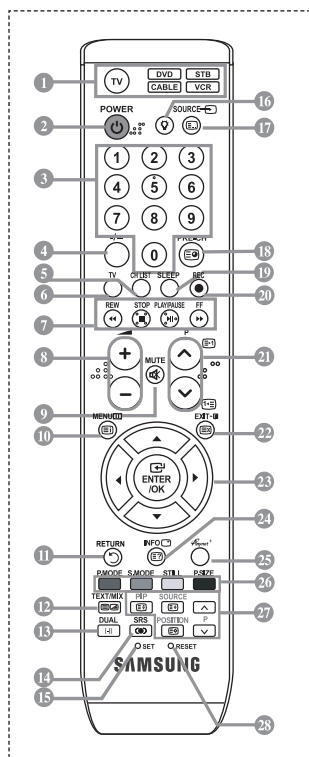
➢ The performance of the remote control may be affected by bright light.

➢ This is a special remote control for the visually impaired, and has Braille points on the Power, Channel, STOP, PALY/PAUSE and Volume buttons.

Installing Batteries in the Remote Control

1. Lift the cover at the back of the remote control upward as shown in the figure.

2. Install two AAA size batteries.
   ➢ Make sure to match the "+" and "–" ends of the batteries with the diagram inside the compartment.

3. Replace the cover.
   ➢ Remove the batteries and store them in a cool, dry place if you won't be using the remote control for a long time. The remote control can be used up to about 23 feet from the TV.
   (Assuming typical TV usage, the batteries last for about one year.)

➢ If the remote control doesn't work, check the following:
1. Is the TV power on?
2. Are the plus and minus ends of the batteries reversed?
3. Are the batteries drained?
4. Is there a power outage, or is the power cord unplugged?
5. Is there a special fluorescent light or neon sign nearby?
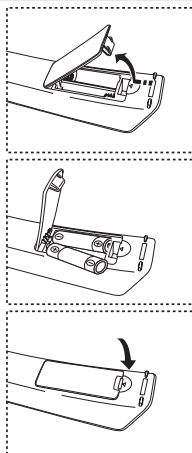
Switching On and Off

The mains lead is attached to the rear of your set.

1. Plug the mains lead into an appropriate socket.
   ➢ The standby indicator lights up on the front of the set.

2. Press the ⏻ button on the front of the set.
   ➢ You also can press the **POWER** ⏻ button or the **TV** button on the remote control to turn the TV on.
   ➢ The programme that you were watching last is reselected automatically.

3. Press the numeric button (0~9) or channel up/down (⊘/⊘) button on the remote control or ‹ **CH** › button on the right side of the set.
   ➢ When you switch the set on for the very first time, you will be asked to choose language in which the menus are to be displayed.

4. To switch your set off, press the **POWER** ⏻ button again.

Placing Your Television in Standby Mode

Your set can be placed in standby mode in order to reduce the power consumption. The standby mode can be useful when you wish to interrupt viewing temporarily (during a meal, for example).

1. Press the **POWER** ⏻ button on the remote control.
   ➢ The screen is turned off and a red standby indicator appears on the front of your set.

2. To switch your set back on, simply press the **POWER** ⏻ , numeric buttons **(0~9)**, **TV** button or channel up/down (⊘/⊘) button again.
   ➢ Do not leave your set in standby mode for long periods of time (when you are away on holiday, for example).
   It is best to unplug the set from the mains and aerial.

Plug & Play

When the TV is initially powered on, several basic settings proceed automatically and subsequently. The following settings are available.

```
                                    ┌─────────────────────────┐
                                    │      Plug & Play        │
                                    │                         │
                                    │   Start Plug & Play.     │
                                    │      ┌────────┐         │
                                    │      │   OK   │         │
                                    │      └────────┘         │
                                    │  ⏎Enter      ▥Exit      │
                                    └─────────────────────────┘
```

1. Press the **POWER**⏻ button on the remote control.
    The message "Start Plug & Play" is displayed with "OK" selected.

2. Select the appropriate language by pressing the ▲ or ▼ button.
    Press the **ENTER/OK** button to confirm your choice.

3. Press the ◄ or ► buttons to select "Shop" or "Home", then the **ENTER/OK** button.
    ➣ We recommend setting the TV to Home mode for the best picture in your home envronment.
    ➣ Shop mode is only intended for use in retail environments.
    ➣ If the unit is accidentally set to Shop mode and you want to return to Dynamic (Home) mode,
       press the Volume button and then hold down the **MENU** button for five seconds on the side
       panel of the TV.

4. The message "Check antenna input." is displayed with "OK" selected.
    Press the **ENTER/OK** button.
    ➣ Please check that the antenna cable is connected correctly.

5. Select the appropriate country by pressing the ▲ or ▼ button.
    Press the **ENTER/OK** button to confirm your choice.

6. The "Auto Store" menu is displayed with the "Start" selected. Press the **ENTER/OK** button.
    ➣ The channel search will start and end automatically.
    ➣ After all the available channels are stored, the "Clock Set" menu appears.
    ➣ Press the **ENTER/OK** button at any time to interrupt the memorization process.

7. Press the **ENTER/OK** button.
    Select the "Month" , "Day" , "Year", "Hour", "Minute", or "am/pm" by pressing the ◄ or ► button..
    Set the "Month" , "Day" , "Year", "Hour", "Minute" or, "am/pm" by pressing the ▲ or ▼ button.
    ➣ You can also set the hour and minute by pressing the number buttons on the remote control.
    When you have finished, press the **ENTER** button
    The message "Enjoy your viewing." is displayed.

8. Press the **ENTER/OK** button to confirm your setting.

   ⬧ **Language**: Select your language.
   ⬧ **Area :** Select your country.
   ⬧ **Auto Store**: Automatically scans for and stores channels available in the local area.
   ⬧ **Clock Set**: Sets the current time for the TV clock.

If you want to reset this feature...

1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ button to select "Setup", then press the **ENTER/OK** button.

2. Press the **ENTER/OK** button again, to select "Plug & Play".

3. The message to "Start Plug & Play" is displayed. (On page 9)

TV	Setup	
	Plug & Play	▷
	Language	: English ▷
	Time	▷
	Game Mode	: Off ▷
	Blue Screen	: Off ▷
	Melody	: Off ▷
	PC	▷
	Home Theatre PC	: Off ▷
	▽More	
	♦Move ⏎Enter �Return	

Plug & Play
Start Plug & Play.
OK
⏎Enter ↩ Return

- Storing Channels Automatically
- Storing Channels Manually

TV	Channel	
	Area	: Asia/W.Europe ▷
	Auto Store	▷
	Manual Store	▷
	Channel Manager	▷
	Sort	▷
	Name	▷
	Fine Tune	▷
	♦Move ⏎Enter ↩Return	

Storing Channels Automatically

You can scan for the frequency ranges available to you (and availability depends on your country). Automatically allocated programme numbers may not correspond to actual or desired programme numbers. However, you can sort numbers manually and clear any channels you do not wish to watch.

1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ button to select "Channel", then press the **ENTER/OK** button.

2. Press the **ENTER/OK** button to select "Area".

3. Select the appropriate area by pressing the ▲ or ▼ button.
   Press the **ENTER/OK** button to confirm your choice.

4. Press the ▲ or ▼ button to select "Auto Store" then press the **ENTER/OK** button.

5. Press the **ENTER/OK** button.

➢ The TV will begin memorizing all of the available channels.
➢ Press the **ENTER/OK** button at any time to interrupt the memorization process and return to the "Channel" menu.

6. After all the available channels are stored, the "Sort" menu appears.

Storing Channels Manually

You can store up to 100 channels, including those received via cable networks.
When storing channels manually, you can choose:
◆ **Whether or not to store each of the channels found.**
◆ **The programme number of each stored channel which you wish to identify.**

1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ button to select "Channel", then press the **ENTER/OK** button.

2. Press the ▲ or ▼ button to select "Manual Store", then press the **ENTER/OK** button.

3. Press the **ENTER/OK** button to select "Programme".

4. To assign a programme number to a channel, find the correct number by pressing the ▲ or ▼ button and then press the **ENTER/OK** button.
   ➣ You can also set a programme number by pressing number buttons on the remote control.

5. Press the ▲ or ▼ button to select "Colour System", then press the **ENTER/OK** button.

6. Select the colour standard required by pressing the ▲ or ▼ button then, press the **ENTER/OK** button.

7. Press the ▲ or ▼ button to select "Sound System", then press the **ENTER/OK** button.

8. Select the sound standard required by pressing the ▲ or ▼ button, then press the **ENTER/OK** button.
   ➣ If there is an abnormal sound or no sound, re-select the sound system required.

9. If you know the number of the channel to be stored, press the ▲ or ▼ button to select "Channel".
   Press the **ENTER/OK** button. Select **C** (Air channel) or **S** (Cable channel) by pressing the ▲ or ▼ button. Press the ► button to select channel.
   Select the required number by pressing the ▲ or ▼ button and then press the **ENTER/OK** button.
   ➣ Channel mode: **P** (Programme mode), **C** (Air channel mode), **S** (Cable channel mode)
   ➣ You can also set a channel number by pressing number buttons on the remote control.

10. If you do not know the channel numbers, press the ▲ or ▼ button to select "Search".
    Press the **ENTER/OK** button. Search by pressing the ▲ or ▼ button and then press the **ENTER/OK** button.

11. Press the ▲ or ▼ button to select "Store". Press the **ENTER/OK** button to select "OK".

12. Repeat steps **3** to **11** for each channel to be stored.

⬧ **Programme:** Selects a program number for the channel.
⬧ **Colour System:** Sets the colour supporting system.
⬧ **Sound System:** Sets the sound supporting system.
⬧ **Channel:** Selects a channel.
⬧ **Search:** Scans for the frequency value for the channel.
⬧ **Store:** Saves your settings.

Setting the Channel Lists

**Set the channels according to your preference.
You can easily delete, add, or lock the channel you want.**

1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ button to select "Channel", then press the **ENTER/OK** button.

2. Press the ▲ or ▼ button to select "Channel Manager", then press the **ENTER/OK** button.

3. Press the **ENTER/OK** button again, to select "Channel List".

4. Press the ► button to select " ⊞ " line.

5. Press the ▲ or ▼ button to select the undesired channel, then press the **ENTER/OK** button to cancel.

6. Repeat steps 5 for each channel to be selected or canceled

7. Press the **EXIT** button to exit.

➢ " 🔒 " is active when "Child Lock" is selected to "On".

🖐 You can select these options by simply pressing the **CH LIST** button on the remote control.

Activating the Child Lock

**This feature allows you to prevent unauthorized users, such as children, from watching unsuitable programmes by muting out video and audio.
Child Lock cannot be released using the buttons on the side.
Only the remote control can release the Child Lock setting, so keep the remote control away from children.**

1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ button to select "Channel", then press the **ENTER/OK** button.

2. Press the ▲ or ▼ button to select "Channel Manager", then press the **ENTER/OK** button.

3. Press the ▲ or ▼ button to select "Child Lock", then press the **ENTER/OK** button.

4. Press the ▲ or ▼ button to select "On" or "Off". Press the **ENTER/OK** button.

5. Press the ▲ or ▼ button to select "Channel List", then press the **ENTER/OK** button.

6. Press the ► button to select "🔒" line.

7. Press the ▲ or ▼ button to select the channels you want to lock, then press the **ENTER/OK** button.

8. Repeat steps **7** for each channel to be locked or unlocked.

9. Press the **EXIT** button to exit.

➢ Select "On" or "Off" in "Child Lock" to easily turn the channels which selected on "🔒" to be active or inactive.
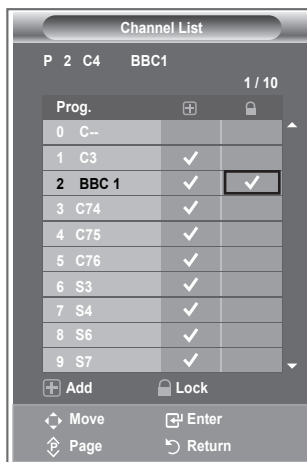
Sorting the Stored Channels

You can exchange the numbers of two channels, in order to:

◆ **Modify the numeric order in which the channels have been automatically stored.**

◆ **Give easily remembered numbers to the channels that you watch most often.**

1. Press the **MENU** button to display the menu. Press the ▲ or ▼ button to select "Channel", then press the **ENTER/OK** button.

2. Press the ▲ or ▼ button to select "Sort", then press the **ENTER/OK** button.

3. Select the channel number that you wish to change by pressing the ▲ or ▼ button repeatedly. Press the **ENTER/OK** button.
   ➢ The selected channel number and name are moved to right side.

4. Press the ▲ or ▼ button to move to the position in which you would like to change and then press the **ENTER/OK** button.
   ➢ The selected channel is exchanged with the one previously stored to the chosen number.

5. Repeat steps **3** to **4** for another channel to be sorted.

6. Press the **EXIT** button to exit.

TV	Channel	
Area	: Asia/W.Europe	▷
Auto Store		▷
Manual Store		▷
Channel Manager		▷
Sort		▷
Name		▷
Fine Tune		▷

♦Move ⏎Enter ↺Return

TV	Sort	
Prog.	**Ch.**	**Name**
0	C--	
1	C23	▷
2	C16	
3	C3	
4	S1	

♦Move ⏎Enter ↺Return

Assigning Channels Names

Channel names will be assigned automatically when channel information is broadcast. These names can be changed, allowing you to assign new names.

1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ button to select "Channel", then press the **ENTER/OK** button.

2. Press the ▲ or ▼ button to select "Name", then press the **ENTER/OK** button.

3. If necessary, select the channel to be assigned to a new name by pressing the ▲ or ▼ button. Press the **ENTER/OK** button.
   ➢ The selection bar is displayed around the name box.

TV	Channel	
Area	: Asia/W.Europe	▷
Auto Store		▷
Manual Store		▷
Channel Manager		▷
Sort		▷
Name		▷
Fine Tune		▷

♦Move ⏎Enter ↺Return

TV	Name	
Prog.	**Ch.**	**Name**
0	C--	-----
1	C23	-----
2	C16	-----
3	C3	-----
4	S1	-----

♦Move ⏎Enter ↺Return

4.

To...	Then...
Select a letter, number or symbol	Press the ▲ or ▼ button
Move on the next letter	Press the ▶ button
Move back the previous letter	Press the ◀ button
Confirm the name	Press the **ENTER/OK** button

➢ The characters available are : Letters of the alphabet (A~Z) / Numbers (0~9) / Special characters (-, space)

5. Repeat steps **3** to **4** for each channel to be assigned to a new name.

6. Press the **EXIT** button to exit.
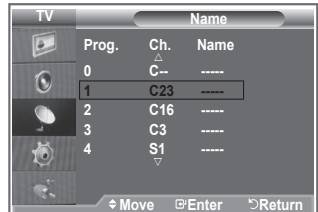
Fine Tuning Channel Reception

Use fine tuning to manually adjust a particular channel for optimal reception.

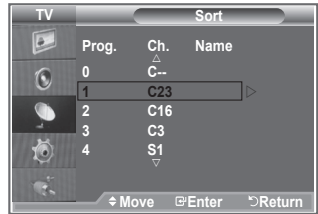1. Use the number buttons to directly select the channel that you want to fine tune.

2. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ button to select "Channel", then press the **ENTER/OK** button.

3. Press the ▲ or ▼ button to select "Fine Tune", then press the **ENTER/OK** button.

4. Press the ◄ or ► button to adjust the fine tuning.
   Press the **ENTER/OK** button.

5. Press the **EXIT** button to exit.

➢ 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. And the channel number turns red.

➢ To reset the fine-tuning, select "Reset" by pressing the ▲ or ▼ button and then press the **ENTER/OK** button.

TV	Channel
Area	: Asia/W.Europe ▷
Auto Store	▷
Manual Store	▷
Channel Manager	▷
Sort	▷
Name	▷
Fine Tune	▷

‡Move Enter ↰Return

Fine Tune

P 1

0

Reset

◄►Adjust Save ↰Return
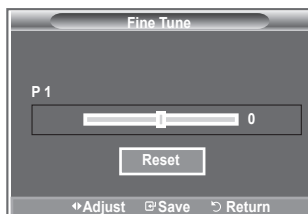
Changing the Picture Standard

You can select the type of picture which best corresponds to your viewing requirements.

1. Press the **MENU** button to display the menu.
   Press the **ENTER/OK** button to select "Picture".

2. Press the **ENTER/OK** button again, to select "Mode".

3. Press the ▲ or ▼ button to select the desired picture effect.
   Press the **ENTER/OK** button.

4. Press the **EXIT** button to exit.

   ⬧ **Dynamic:** Selects the picture for high-definition in a bright room.
   ⬧ **Standard:** Selects the picture for optimum display in a normal environment.
   ⬧ **Movie:** Selects the picture for comfortable display in a dark room.

➢ The Picture mode must be adjusted separately for each input source.

➢ You can return to the factory defaults picture settings by selecting the "Reset".
(Refer to "Resetting the Picture Settings to the Factory Defaults" on page 19)

TV	Picture
Mode	: Dynamic ▷
Contrast	100
Brightness	45
Sharpness	75
Colour	55
Tint	G50 R50
Colour Tone	: Cool1
Detailed Settings	▷
Backlight	: 10 ▷
▽More	

‡Move Enter ↰Return

TV	Picture
Mode	: **Dynamic**
Contrast	**Standard**
Brightness	**Movie**
Sharpness	75
Colour	55
Tint	G50 R50
Colour Tone	: Cool1
Detailed Settings	
Backlight	: 10
▽More	

‡Move Enter ↰Return

P.MODE S.MODE STILL P.SIZE
TEXT/MIX   SOURCE
DUAL SRS POSITION P

🄰 You can also press the **P.MODE** button on the remote control to select one of the picture settings.

Adjusting the Custom Picture

Your set has several settings which allow you to control picture quality.

1. To select the desired picture effect, follow the "Changing the Picture Standard" instructions number 1 to 3.
2. Press the ▲ or ▼ button to select a particular item. Press the **ENTER/OK** button.
3. Press the ◄ or ► button to decrease or increase the value of a particular item. Press the **ENTER/OK** button.
4. Press the **EXIT** button to exit.

TV	**Picture**
Mode	: Dynamic ▷
Contrast	100
Brightness	45
Sharpness	75
Colour	55
Tint G50	R50
Colour Tone	: Cool1 ▷
Detailed Settings	▷
Backlight	: 10 ▷
▽More	
	◆Move ⏎Enter ↩Return
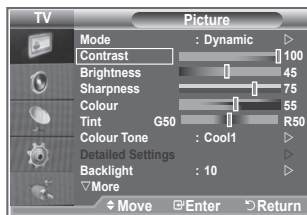
- **Contrast:** Adjusts the lightness and darkness between objects and the background.
- **Brightness:** Adjusts the brightness of the whole screen.
- **Sharpness:** Adjusts the outline of objects to either sharpen them or make them more dull.
- **Colour:** Adjusts the colours, making them lighter or darker.
- **Tint :** Adjusts the colour of objects, making them more red or green for a more natural look.

➢ The adjusted values are stored according to the selected Picture mode.
➢ In PC Mode, Only "Contrast", "Brightness" can be adjusted.

Changing the Colour Tone

You can select the most comfortable colour tone to your eyes.

1. To select the desired picture effect, follow the "Changing the Picture Standard" instructions number 1 to 3. (on page 14)
2. Press the ▲ or ▼ button to select "Colour Tone", then press the **ENTER/OK** button.
3. Press the ▲ or ▼ button to select the desired colour tone setting. Press the **ENTER/OK** button.
4. Press the **EXIT** button to exit

TV	**Picture**
Mode	: Dynamic ▷
Contrast	100
Brightness	45
Sharpness	75
Colour	55
Tint G50	R50
Colour Tone	: Cool1 ▷
Detailed Settings	▷
Backlight	: 10 ▷
▽More	
	◆Move ⏎Enter ↩Return

TV	**Picture**
Mode	: Dynamic
Contrast	100
Brightness	45
Sharpness	75
Colour	55
Tint G50	Cool 2 50
Colour Tone :	Cool 1
Detailed Settings	Normal
Backlight :	Warm 1
▽More	Warm 2
	◆Move ⏎Enter ↩Return

- **Cool2:** Makes the colour temperature bluer than "Cool1" menu.
- **Cool1:** Makes whites bluish.
- **Normal:** Keeps whites white.
- **Warm1:** Makes whites reddish.
- **Warm2:** Makes the colour temperature redder than "Warm1" menu.
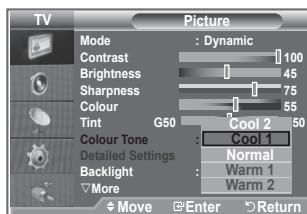
➢ The adjusted values are stored according to the selected Picture mode.
➢ When the picture mode is set to Dynamic or Standard, Warm1 and Warm2 cannot be selected.

Configuring Detailed Settings on the Picture

You can set detailed picture settings.

1 Press the **MENU** button to display the menu.

2 Press the **ENTER/OK** button, to select "Picture".

3 Press the ▲ or ▼ button to select Detailed Settings, then press the **ENTER/OK** button.

4 Select the required option by pressing the ▲ or ▼ button, then press the **ENTER/OK** button.
Available options: Black Adjust, Dynamic Contrast, Gamma, White Balance, My Colour Control, Edge Enhancement, Colour Space.

5 When you are satisfied with your setting, press the **ENTER/OK** button.

6 Press the **EXIT** button to exit.

➣ Detailed Settings is available in Standard or Movie mode.
➣ If DNIe is Off, the Detailed Settings cannot be selected when the Picture mode is in Standard mode.

◆ **Black Adjust: Off/Low/Medium/High**
You can directly select the black level on the screen to adjust the screen depth.

◆ **Dynamic Contrast: Off/Low/Medium/High**
You can adjust the screen contrast so that the optimal contrast is provided.

◆ **Gamma: -3 ~ 3**
You can adjust the middle brightness of pictures.
Press the ◄ or ► button until you reach the optimal setting.

◆ **White Balance: R Offset/G Offset/B Offset/R Gain/G Gain/B Gain/Reset**
You can adjust the color temperature for more natural picture colors.
R Offset/G Offset/B Offset/R Gain/G Gain/B Gain: Changing the adjustment value will refresh the adjusted screen.
Select the required option by pressing the ▲ or ▼ button, then press the **ENTER/OK** button.
Press the ◄ or ► button until you reach the optimal setting.
Reset: The previously adjusted white balance will be reset to the factory defaults.

◆ **My Colour Control: Pink/Green/Blue/White/Reset**
This setting can be adjusted to suit your personal preferences.
Pink/Green/Blue/White: Changing the adjustment value will refresh the adjusted screen.
Select the required option by pressing the ▲ or ▼ button, then press the **ENTER/OK** button.
Press the ◄ or ► button until you reach the optimal setting.
➣ Reset: The previously adjusted white balance will be reset to the factory defaults.

◆ **Edge Enhancement: On/Off**
You can emphasize object boundaries.

◆ **Colour Space: Auto/Wide**
You can set the colour reproduction space for the input signal to Auto or Wide.

◆ **xvYCC : On/Off (LA40M8, LA46M8, LA52M8)**
Setting the xvYCC mode to On increases detail and color space when watching movies from an external device (ie. DVD player) connected to the HDMI or Component IN jacks. You must set the Picture Mode to Movie to enjoy this feature.
➣ External devices with an older HDMI version may not implement color space for TVs with the latest HDMI version (HDMI 1.3).
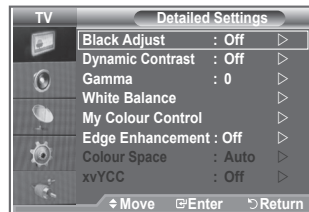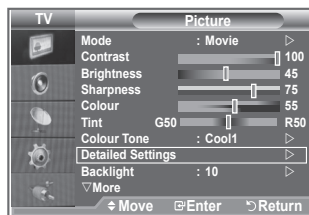
Activating Backlight

You can adjust the screen brightness by adjusting the LCD backlight brightness. (0~10)

1. To select the desired picture effect, follow the "Changing the Picture Standard" instructions number 1 to 3. (On page 14)

2. Press the ▲ or ▼ button to select "Backlight", then press the **ENTER/OK** button.

3. Press the ◄ or ► button to decrease or increase the value of a particular item.
   Press the **ENTER/OK** button.

4. Press the **EXIT** button to exit.

TV	Picture	
	Mode	: Dynamic ▷
	Contrast	100
	Brightness	45
	Sharpness	75
	Colour	55
	Tint G50	R50
	Colour Tone	: Cool1
	Detailed Settings	▷
	Backlight	: 10 ▷
	▽More	
	‡Move ⏎Enter ↩Return	

Backlight	5
↔Adjust ↩Return	
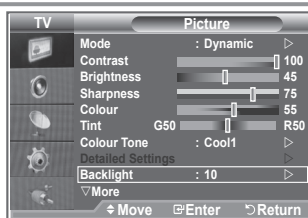
Changing the Picture Size

You can select the picture size which best corresponds to your viewing requirements.

1. Press the **MENU** button to display the menu.
   Press the **ENTER/OK** button , to select "Picture".

2. Press the ▲ or ▼ button to select "Size", then press the **ENTER/OK** button.

3. Select the required option by pressing the ▲ or ▼ button.
   Press the **ENTER/OK** button.

4. Press the **EXIT** button to exit.

TV	Picture	
	△More	
	Size	: 16 : 9 ▷
	Digital NR	: Auto ▷
	Active Colour	: Off ▷
	DNIe	: Off ▷
	Movie Plus	: On ▷
	Reset	: OK ▷
	‡Move ⏎Enter ↩Return	

TV	Size	
	16 : 9	
	Wide Zoom	
	Zoom	
	4 : 3	
	Just Scan	
	‡Move ⏎Enter ↩Return	

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

⬥ **Wide Zoom:** Magnify the size of the picture more than 4:3.

⬥ **Zoom:** Magnifies the 16:9 wide picture (in the vertical direction) to fit the screen size.

⬥ **4:3:** This is the default setting for a video movie or normal broadcasting.

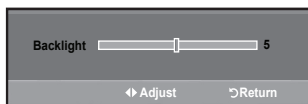⬥ **Just Scan (HDMI only):** Displays the input scenes as they are without any cutoff when 720p,1080i,1080p(LA40M8, LA46M8, LA52M8) signals are input.

➣ In PC Mode, only "16:9" and "4:3" mode can be adjusted.

➣ Zoom: Select ▣ by pressing the ◄ or ► buttons.
   Use the ▲ or ▼ button to move the picture up and down.After selecting ▣, use the ▲ or ▼ button to magnify or reduce the picture size in the vertical direction.

➣ Wide Zoom : Move the screen up/down using the▲ or ▼ buttons after selecting the ▣ by pressing the ► or **ENTER/OK** button.

P.MODE S.MODE STILL P.SIZE
TEXT/MIX PIP SOURCE
DUAL SRS POSITION P
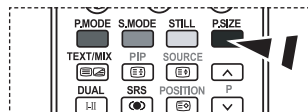
You can select these options by simply pressing the **P.SIZE** button on the remote control.

Freezing the Current Picture

**Press the STILL button to freeze a moving picture into a
still one. Press again to cancel.**
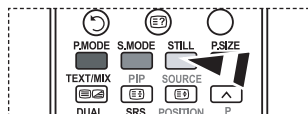
Digital NR / Active Colour / DNIe / Movie Plus

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

TV	Picture	
	△ More	
	Size	: 16 : 9 ▷
	Digital NR	: Auto ▷
	Active Colour	: Off ▷
	DNIe	: Off ▷
	Movie Plus	: On ▷
	Reset	: OK ▷
	‡Move 🖆Enter ↺Return	

1. Press the **MENU** button to display the menu.
    Press the **ENTER/OK** button , to select "Picture".

2. Select the required option by pressing the ▲ or ▼ button,
    then press the **ENTER/OK** button.
    Available options: Digital NR, Active Colour, DNIe,Movie Plus.

3. When you are satisfied with your setting, press the
    ENTER/OK button.

4. Press the **EXIT** button to exit.
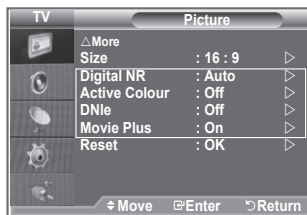
◆ **Digital NR: Off/Low/Medium/High/Auto**
    If the signal received by the television is weak, you can activate this feature to reduce any static and
    ghosting that may appear on the screen.
    ➢ This function is not available in PC mode.

◆ **Active Colour: Off/On**
    If you turn on this option, the colors of the sky and grass will be stronger and clearer for a more
    vivid on-screen picture.
    ➢ This function is not available in PC mode.
    ➢ This function is available in Dynamic mode

◆ **DNIe : Off/Demo/On**
    This TV includes the DNIe function so as to provide a high visual quality. If you set DNIe to on, you
    can view the screen with the DNIe feature activated. If you set the DNIe to Demo, you can view the
    applied DNIe and normal pictures on the screen, for demonstration purposes. Using this function,
    you can view the difference in the visual quality.

    ➢ DNIe™ (Digital Natural Image engine) DNIe™
    This feature brings you more detailed image with 3D noise reduction, detail enhancement,
    contrast enhancement and white enhancement. New image compensation Algorithm gives
    brighter, clearer, more detailed image to you. DNIeTM technology will fit every signal into your eyes.

    ➢ This function is not available in PC mode.
    ➢ This function is not available in Movie mode

◆ **Movie Plus: Off/On**
    You can view more natural skin and clear text even in fast moving scenes.
    ➢ Use this function when watching movies.
    ➢ The Wide Zoom, Zoom and Just Scan mode is not supported.
    ➢ This function is not available in PC mode.

Resetting the Picture Settings to the Factory Defaults
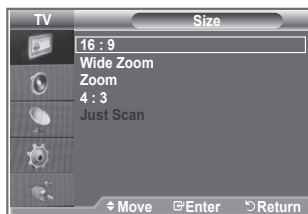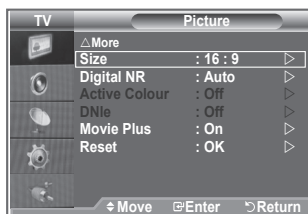
You can return to the factory defaults picture settings.

1. To select the desired picture effect, follow the "Changing the Picture Standard" instructions number 1 to 3 (on page 14.)

2. Press the ▲ or ▼ button to select "Reset", then press the **ENTER/OK** button.

3. Press the ▲ or ▼ button to select "OK"," Cancel", then press the **ENTER/OK** button.

4. Press the **EXIT** button to exit.

➤ The "Reset" will be set for each picture mode.

TV	Picture
△More	
Size	: 16 : 9
Digital NR	: Auto
Active Colour	: Off
DNIe	: Off
Movie Plus	: On
Reset	: OK
	Cancel
◆Move ⏎Enter ↵Return	
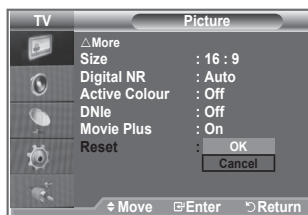
Viewing the Picture In Picture (PIP)

You can display a sub picture within the main picture of set programme or video input. In this way, you can watch the picture of set programme or video input from any connected equipment while watching the main picture.

1. Press the **MENU** button to display the menu. Press the ▲ or ▼ button to select "Setup", then press the **ENTER/OK** button.

2. Press the ▲ or ▼ button to select "PIP", then press the **ENTER/OK** button.

3. Press the **ENTER/OK** button again. Press the ▲ or ▼ button to select "On", then press **ENTER/OK** button.

4. Press the ▲ or ▼ button to select "Source", then press **ENTER/OK** button. Select a source of the sub picture by pressing the ▲ or ▼ button and press the **ENTER/OK** button.
   ➤ The sub picture can serve different source selections based on what the main picture is set to.

5. Press the ▲ or ▼ button to select "Size" of the sub picture and then press the **ENTER/OK** button. Select a size of the sub picture by pressing the ▲ or ▼ button and then press the **ENTER/OK** button.
   ➤ If main picture is in "PC" and "Component" mode, "Size" is not available.

TV	Setup
△More	
Wall-Mount Ajustment	▷
Energy Saving	: Off ▷
HDMI Black level	: Low ▷
PIP	▷
◆Move ⏎Enter ↵Return	

TV	PIP
PIP	: On ▷
Source	: TV ▷
Size	: ▷
Position	: ▷
Programme	: P 1 ▷
◆Move ⏎Enter ↵Return	

P.MODE S.MODE STILL P.SIZE

TEXT/MIX PIP SOURCE

DUAL SRS P
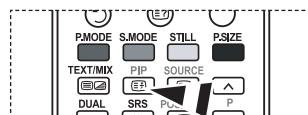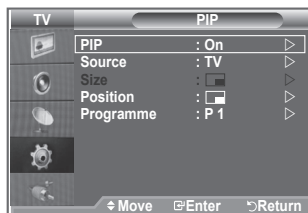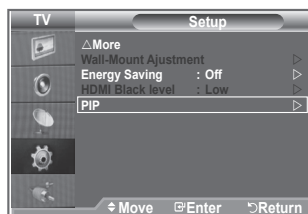
Press the **PIP** button on the remote control repeatedly to activate or deactivate the "PIP".

6. Press the ▲ or ▼ button to select "Position", then press the **ENTER/OK** button.
   Select the position of the sub picture by pressing the ▲ or ▼ button and then press the **ENTER/OK** button.

7. Press the ▲ or ▼ button to select "Programme" and then press the **ENTER/OK** button.
   You can select the channel that you want to view through sub picture by pressing the ▲ or ▼ button. Press the **ENTER/OK** button.
   ➤ The "Programme" can be active when the sub picture is set to TV.

8. Press the **EXIT** button to exit.

➤ You may notice that the picture in the PIP window becomes slightly unnatural when you use the main screen to view a game or karaoke.

- **Source:** Used to select a source of the sub picture.
- **Size:** Used to select a size of the sub picture.
- **Position:** Used to move the sub picture.
- **Programme:** Used to Change the sub picture.

PIP Settings

O: PIP operates, **X**: PIP doesn't operate

Main　Sub	TV	AV1	AV2	S-Video	Component1,2	PC	HDMI1,2,3
Component	O	O	O	X	X	X	X
HDMI	O	O	O	X	X	X	X
PC	O	O	O	X	X	X	X

Changing the Sound Standard

You can select the type of the special sound effect to be used when watching a given broadcast.

1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ button to select "Sound", then press the **ENTER/OK** button.

2. Press the **ENTER/OK** button again, to select "Mode".

3. Select the required sound effect by pressing the ▲ or ▼ button repeatedly and then press the **ENTER/OK** button.

4. Press the **EXIT** button to exit.

- **Standard:** Selects the normal sound mode.
- **Music:** Emphasizes music over voices.
- **Movie:** Provides live and full sound for movies.
- **Speech:** Emphasizes voices over other sounds.
- **Custom:** Selects your custom sound settings.
  (Refer to "Adjusting the Sound Settings")

TV	Sound	
	Mode	: Standard ▷
	Equalizer	▷
	SRS TS XT	: Off ▷
	Auto Volume	: Off ▷
	Internal Mute	: Off ▷
	Sound Select	: Main ▷
	Reset	
	♦ Move ⏎ Enter ⤺ Return	

TV	Sound	
	Mode	: **Standard**
	Equalizer	**Music**
	SRS TS XT	: **Movie**
	Auto Volume	: **Speech**
	Internal Mute	: **Custom**
	Sound Select	: Main
	Reset	
	♦ Move ⏎ Enter ⤺ Return	
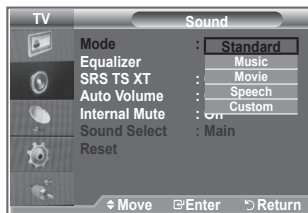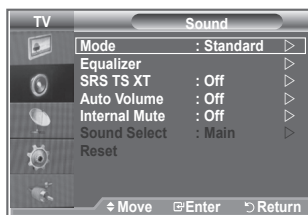
Adjusting the Sound Settings

The sound settings can be adjusted to suit your personal preferences.

1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ button to select "Sound", then press the **ENTER/OK** button.

2. Press the ▲ or ▼ button to select "Equalizer", then press the **ENTER/OK** button.

3. Press the ◄ or ► button to select a particular item.
   Press the **ENTER/OK** button.

4. Press the ▲ or ▼ button to reach the required setting.
   Press the **ENTER/OK** button.

5. Press the **EXIT** button to exit.

➢ If you make any changes to these settings, the Sound Mode is automatically switched to "Custom".

TV	Sound	
	Mode	: Standard ▷
	Equalizer	▷
	SRS TS XT	: Off ▷
	Auto Volume	: Off ▷
	Internal Mute	: Off ▷
	Sound Select	: Main ▷
	Reset	
	♦ Move ⏎ Enter ⤺ Return	

TV	Equalizer	
	R + +	
	0 0	
	L - -	
	Balance 100Hz 300Hz 1kHz 3kHz 10kHz	
	► Move ♦ Adjust ⤺ Return	
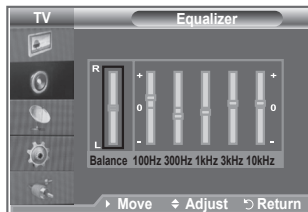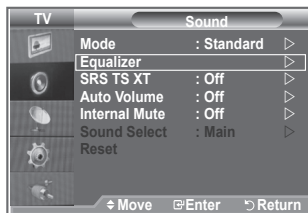
Setting the TruSurround XT (SRS TS XT)

TruSurround XT is a patented SRS technology that solves the problem of playing 5.1 multichannel content over two speakers. TruSurround delivers a compelling, virtual surround sound experience through any two-speaker playback system, including internal television speakers. It is fully compatible with all multichannel formats.

1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ button to select "Sound", then press the **ENTER/OK** button.

2. Press the ▲ or ▼ button to select "SRS TS XT", then press the **ENTER/OK** button.

3. Press the ▲ or ▼ button to select "On" or "Off". Press the **ENTER/OK** button.

4. Press the **EXIT** button to exit.

SRS ◖●◗
TruSurround XT
TruSurround XT, SRS and ◖●◗ symbol are trademarks of SRS Labs, Inc. TruSurround XT technology is incorporated under license from SRS Labs, Inc.

TV	Sound	
Mode	: Standard	▷
Equalizer		▷
SRS TS XT	: Off	▷
Auto Volume	: Off	▷
Internal Mute	: Off	▷
Sound Select	: Main	▷
Reset		
≑Move	⏎Enter	↩Return

TV	Sound	
Mode	: Standard	
Equalizer		
SRS TS XT	: **Off**	
Auto Volume	: **On**	
Internal Mute	: Off	
Sound Select	: Main	
Reset		
≑Move	⏎Enter	↩Return

TEXT/MIX PIP SOURCE
DUAL SRS POSITION P
○ SET ⏻ SET
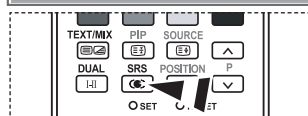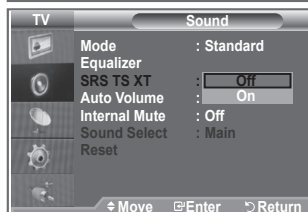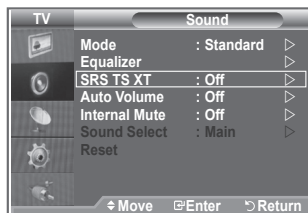
You can also set these options simply by pressing the **SRS** button on remote control.

Adjusting the Volume Automatically

Each broadcasting station has its own signal conditions, and so it is not easy for you to adjust the volume every time the channel is changed. This feature allows you to automatically adjust the volume of the desired channel by lowering the sound output when the modulation signal is high or by raising the sound output when the modulation signal is low.

1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ button to select "Sound", then press the **ENTER/OK** button.

2. Press the ▲ or ▼ button to select "Auto Volume", then press the **ENTER/OK** button.

3. Press the ▲ or ▼ button to select "On" or "Off". Press the **ENTER/OK** button.

4. Press the **EXIT** button to exit.

TV	Sound	
Mode	: Standard	▷
Equalizer		▷
SRS TS XT	: Off	▷
Auto Volume	: Off	▷
Internal Mute	: Off	▷
Sound Select	: Main	▷
Reset		
≑Move	⏎Enter	↩Return

TV	Sound	
Mode	: Standard	
Equalizer		
SRS TS XT	: Off	
Auto Volume	: **Off**	
Internal Mute	: **On**	
Sound Select	: Main	
Reset		
≑Move	⏎Enter	↩Return
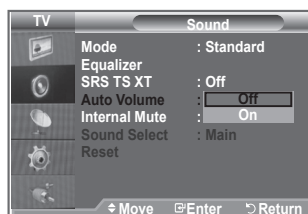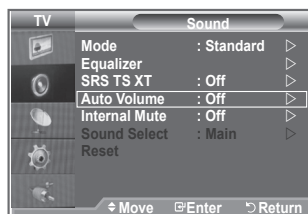
Selecting the Internal Mute

If you want to hear the sound through separate speakers, cancel the internal amplifier.

1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ button to select "Sound", then press the **ENTER/OK** button.

2. Press the ▲ or ▼ button to select "Internal Mute", then press the **ENTER/OK** button.

3. Press the ▲ or ▼ button to select "On" or "Off". Press the **ENTER/OK** button.

4. Press the **EXIT** button to exit.

➢ When "Internal Mute" is set to "On', the Sound menus except for "Sound Select" (in PIP mode) cannot be adjusted.

TV	Sound
Mode	: Standard ▷
Equalizer	▷
SRS TS XT	: Off ▷
Auto Volume	: Off ▷
Internal Mute	**: Off** ▷
Sound Select	: Main ▷
Reset	
‡Move ↵Enter ↩Return	

TV	Sound
Mode	: Standard
Equalizer	
SRS TS XT	: Off
Auto Volume	: Off
Internal Mute	: Off
Sound Select	On
Reset	
‡Move ↵Enter ↩Return	

Listening to the Sound of the Sub Picture

During the PIP features activation, you can listen to the sound of the sub picture.

1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ button to select "Sound", then press the **ENTER/OK** button.

2. Press the ▲ or ▼ button to select "Sound Select", then press the **ENTER/OK** button.

3. Press the ▲ or ▼ button to select "Main".
   Press the **ENTER/OK** button.

4. Press the **EXIT** button to exit.

⬩ **Main :** Used to listen to the sound of the main picture.
⬩ **Sub :** Used to listen to the sound of the sub picture.

➢ You can select this option when the "PIP" is set to "On".

TV	Sound
Mode	: Custom ▷
Equalizer	▷
SRS TS XT	: Off ▷
Auto Volume	: Off ▷
Internal Mute	: Off ▷
Sound Select	**: Main** ▷
Reset	
‡Move ↵Enter ↩Return	

TV	Sound
Mode	: Custom
Equalizer	
SRS TS XT	: Off
Auto Volume	: Off
Internal Mute	: Off
Sound Select	Main
Reset	Sub
‡Move ↵Enter ↩Return	
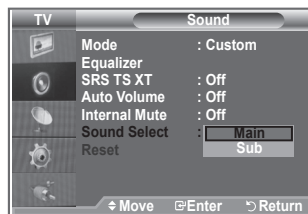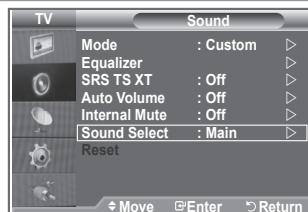
Resetting the Sound Settings to the Factory Defaults

If Game Mode is On, the Reset Sound function is activated. Selecting the Reset function after setting the equalizer resets the equalizer setting to the factory defaults.

TV	Sound	
	Mode	: Custom ▷
	Equalizer	▷
	SRS TS XT	: Off ▷
	Auto Volume	: Off ▷
	Internal Mute	: Off ▷
	Sound Select	: Main ▷
	Reset	
	‡Move 🖰Enter ⤺Return	

1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ button to select "Sound", then press the **ENTER/OK** button.

2. Press the ▲ or ▼ button to select "Reset", then press the **ENTER/OK** button.

3. Press the **EXIT** button to exit.

➤ You can select this option when the "Game Mode" is set to "On".
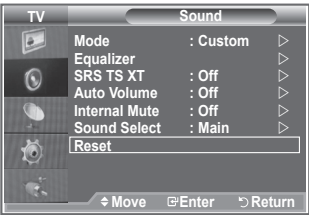
Connecting Headphones

You can connect a set of headphones to your set if you wish to watch a TV programme without disturbing the other people in the room.

➤ When you insert the head set jack into the corresponding port, you can operate only "SRS TS XT" and "Auto Volume" in Sound menu.
➤ Prolonged use of headphones at a high volume may damage your hearing.
➤ You will not receive sound from the speakers when you connect headphones to the system.
➤ The headphone volume and TV volume are adjusted differently.

Selecting the Sound Mode

You can set the sound mode by pressing the "DUAL" button. When you press it, the current sound mode is displayed on the screen.

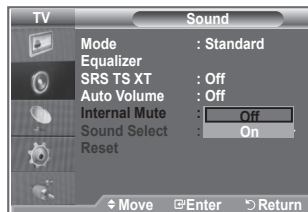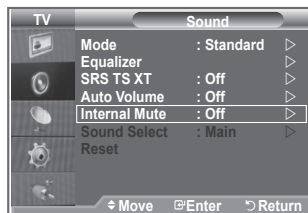|	Audio Type	DUAL 1/2	Default
FM Stereo	Mono	MONO	Automatic change
	Stereo	STEREO ↔ MONO	
	Dual	DUAL 1 ↔ DUAL 2	DUAL 1
NICAM Stereo	Mono	MONO	Automatic change
	Stereo	MONO ↔ STEREO	
	Dual	┌→ MONO ↔ DUAL 1 ─┐ └── DUAL 2 ←──	DUAL 1
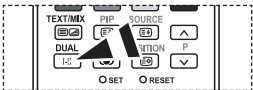
🖹 You can also set these options simply by pressing the **DUAL** button on remote control.

➤ If the stereo signal is weak and an automatic switching occurs, then switch to the Mono.

Setting and Displaying the Current Time

You can set the TV's clock so that the current time is displayed when you press the INFO button. You must also set the time if you wish to use the automatic On/Off timers.

1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ button to select "Setup", then press the **ENTER/OK** button.

2. Press the ▲ or ▼ button to select "Time", then press the **ENTER/OK** button.

3. Press the **ENTER/OK** button to select "Clock Set".

4.

To...	Press the...
Move to Month, Day, Year, Hour, Minute or "am/pm	◄ or ► button.
Set the Month, Day, Year, Hour Minute or "am/pm	▲ or ▼ button.
Press the **ENTER/OK** button.	

5. Press the **EXIT** button to exit.

➢ If you disconnect the power cord, you have to set the clock again.
➢ You can also set Year, Month, Day, Hour and Minute by pressing the number buttons on the remote control.

TV	Setup	
	Plug & Play	▷
	Language : English	▷
	Time	▷
	Game Mode : Off	▷
	Blue Screen : Off	▷
	Melody : Off	▷
	PC	▷
	Home Theatre PC : Off	▷
	▽More	
	‡Move ↵Enter ↺Return	

TV	Clock Set	
	Month Day Year	
	▲	
	01 01 2007	
	▼	
	Hour Minute am/pm	
	01 00 am	
	►Move ‡Adjust ↺Return	
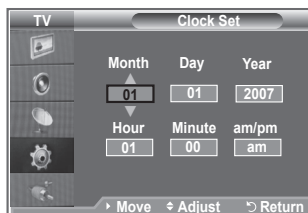
Setting the Sleep Timer

You can select a time period of between 30 and 180 minutes after which the television automatically switches to standby mode.

1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ button to select "Setup", then press the **ENTER/OK** button.

2. Press the ▲ or ▼ button to select "Time", then press the **ENTER/OK** button.

3. Press the ▲ or ▼ button to select "Sleep Timer", then press the **ENTER/OK** button.

4. Press the ▲ or ▼ button dly until the desired time appears (Off, 30, 60, 90, 120, 150, 180).
   Press the **ENTER/OK** button.

5. Press the **EXIT** button to exit.

➢ The TV automatically switches to standby mode when the timer reaches 0.

TV	Setup	
	Plug & Play	▷
	Language : English	▷
	Time	▷
	Game Mode : Off	▷
	Blue Screen : Off	▷
	Melody : Off	▷
	PC	▷
	Home Theatre PC : Off	▷
	▽More	
	‡Move ↵Enter ↺Return	

TV	Time	
	Clock Set :	Off
	Sleep Timer :	30
	Timer1 :	60
	Timer2 :	90
	Timer3 :	120
		150
		180
	‡Move ↵Enter ↺Return	
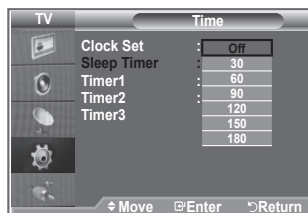
Switching the Television On and Off Automatically

1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ buttons to select "Setup", then press the **ENTER/OK** button.
   Press the ▲ or ▼ buttons to select "Time", then press the **ENTER/OK** button.

2. Press the ▲ or ▼ buttons to select "Timer 1,Timer 2,Timer 3 ", then press the **ENTER/OK** button.

3. Press the ▲ or ▼ buttons to adjust "Hour", then press the ► button to move to the next step.
   Set other items using the same method as above.

	Yes/ No	Press the ▲or▼ button
Repeat	Select a Once, Everyday, Mon-Fri, Mon-Sat, Sat-Sun	Press the ▲or▼ button
Volume	Adjust a 0~100	Press the ▲or▼ button
Programme	Adjust a Programme	Press the ▲or▼ button

➢ When finished, press the **RETURN** button to return.

   • The current time will appear every time you press the **INFO** button.
   • You can set the hour, minute directly by pressing the number buttons on the remote control.

   Press the **EXIT** button to exit.

TV | Setup
Plug & Play ▷
Language : English ▷
Time ▷
Game Mode : Off ▷
Blue Screen : Off ▷
Melody : Off ▷
PC ▷
Home Theatre PC : Off ▷
▽ More
‡Move ⏎Enter ⤴Return

TV | Timer1
On Time
▲
12 : 00 am No
▼
Off Time
12 : 00 am No
Repeat Volume
Once 10
Programme
01
▸Move ‡Adjust ⤴Return
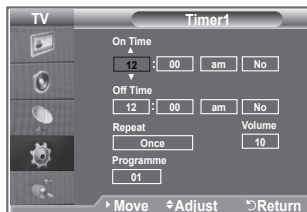
Choosing Your Language

When you start using your set for the first time, you must select the language which will be used for displaying menus and indications.

1. Press the **MENU** button to display the on-screen menu.
    Press the ▲ or ▼ button to select "Setup", then press the **ENTER/OK** button.

2. Press the ▲ or ▼ button to select "Language", then press the **ENTER/OK** button.

3. Select a particular language by pressing the ▲ or ▼ button repeatedly.
    Press the **ENTER/OK** button.
    ➣ You can choose one of 5 languages.

4. Press the **EXIT** button to exit.
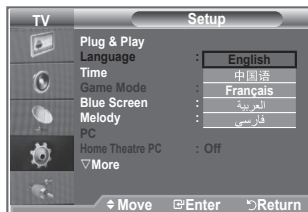
Using Game Mode

When connecting to a game console such as PlayStation^{TM} or Xbox^{TM}, you can enjoy a more realistic gaming experience by selecting game menu.

1. Press the **MENU** button to display the menu.
    Press the ▲ or ▼ button to select "Setup", then press the **ENTER/OK** button.

2. Press the ▲ or ▼ button to select "Game Mode", then press the **ENTER/OK** button.

3. Press the ▲ or ▼ button to select "On" or "Off". Press the **ENTER/OK** button.

4. Press the **EXIT** button to exit.

➣ To disconnect the game console and connect another external device, cancel game mode in the setup menu.
➣ If you display the TV menu in Game mode, the screen shakes slightly.
➣ Game Mode is not available in TV mode.
➣ If Game Mode is On:
  • Picture Mode changes to Standard and Sound Mode changes to Custom automatically.
    The user cannot change these to other modes.
  • Sound Mode in the Sound menu is deactivated. Adjust the sound using the equalizer.
  • The Reset Sound function is activated. Selecting the Reset function after setting the equalizer resets the equalizer setting to the factory defaults.

Setting the Blue Screen Mode / Selecting the Melody

Blue Screen:
If no signal is being received or the signal is very weak, a
blue screen automatically replaces the noisy picture
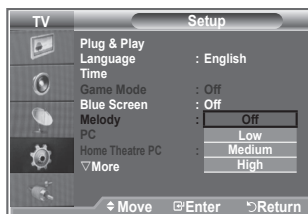**background. If you wish to continue viewing the poor picture,**
you must set the "Blue Screen" mode to "Off".

Melody:
You can hear melody sound when the television is powered
on or off.

1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ button to select "Setup", then press the
   ENTER/OK button.

2. Press the ▲ or ▼ button to select "Blue Screen" or "Melody".
   Press the **ENTER/OK** button.

3. When you are satisfied with your setting, press the
   ENTER/OK button.

◆ **Blue Screen: Off/On**
◆ **Melody: Off/Low/Medium/High**

4. Press the **EXIT** button to exit.

TV	Setup
Plug & Play	▷
Language	: English ▷
Time	▷
Game Mode	: Off ▷
Blue Screen	: Off ▷
Melody	: Off ▷
PC	▷
Home Theatre PC	: Off ▷
▽More	
♦Move ⏎Enter ↩Return	

TV	Setup
Plug & Play	
Language	: English
Time	
Game Mode	: Off
Blue Screen	: **Off**
Melody	: **On**
PC	
Home Theatre PC	: Off
▽More	
♦Move ⏎Enter ↩Return	

TV	Setup
Plug & Play	
Language	: English
Time	
Game Mode	: Off
Blue Screen	: Off
Melody	: **Off**
PC	**Low**
Home Theatre PC	**Medium**
▽More	**High**
♦Move ⏎Enter ↩Return	

Setting the Home Theatre PC

You can view higher quality pictures by configuring the
screen settings in PC Mode.
If you set the Home Theatre PC function to On, you can
configure the Detailed Settings (when Picture Mode is set to
Standard or Movie) as in PC Mode.

1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ button to select "Setup", then press the
   ENTER/OK button.

2. Press the ▲ or ▼ button to select "Home Theatre PC".
   Press the **ENTER/OK** button.

3. Press the ▲ or ▼ button to select "Off" or "On".
   Press the **ENTER/OK** button.

4. Press the **EXIT** button to exit.

➣ This function is available only in PC mode.

TV	Setup
Plug & Play	▷
Language	: English ▷
Time	▷
Game Mode	: Off ▷
Blue Screen	: Off ▷
Melody	: Off ▷
PC	▷
Home Theatre PC	: Off ▷
▽More	
♦Move ⏎Enter ↩Return	

TV	Setup
Plug & Play	
Language	: English
Time	
Game Mode	: Off
Blue Screen	: Off
Melody	: Off
PC	
Home Theatre PC	: **Off**
▽More	**On**
♦Move ⏎Enter ↩Return	

Setting the Light Effect (LA32R8, LA37R8, LA40R8)

You can turn on/off the blue LED on the front of TV according to the situation. Use it for saving power or when the LED dazzles your eyes.

1. Press the **MENU** button to display the on-screen menu. Press the ▲ or ▼ buttons to select "Setup", then press the **ENTER/OK** button.

2. Press the ▲ or ▼ buttons to select "Light Effect", then press the **ENTER/OK** button.

3. Select the required option (Off, Standby Mode On, Watching Mode On, On) by pressing the ▲ or ▼ button. Press the **ENTER/OK** button.

   • **Off:** LED will not come on
   • **Standby Mode On:** Turns the LED on in standby mode
   • **Watching Mode On:** Turns the LED on while watching TV.
   • **On:** The LED ON condition if the unit in ON or OFF.

4. Press the **EXIT** button to exit.
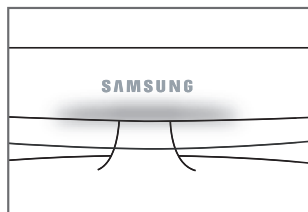
Using the Energy Saving Feature

This function adjusts the brightness of the TV so as to reduce power consumption. When you watching TV at night, set the "Energy Saving " mode option to "High" so as to reduce the dazzling of your eyes as well as the power consumption.

1. Press the **MENU** button to display the on-screen menu. Press the ▲ or ▼ button to select "Setup", then press the **ENTER/OK** button.

2. Press the ▲ or ▼ button to select "Energy Saving", then press the **ENTER/OK** button.

3. Select the required option (Off, Low, Medium, High, Auto) by pressing the ▲ or ▼ button. Press the **ENTER/OK** button.

4. Press the **EXIT** button to exit.

TV	Setup
△More	
Wall-Mount Ajustment	▷
Energy Saving : Off	▷
HDMI Black level : Low	▷
PIP	▷
	⬍Move ⏎Enter ↩Return

TV	Setup
△More	
Wall-Mount Ajustment	
Energy Saving :	**Off**
HDMI Black level :	Low
PIP	Medium
	High
	Auto
	⬍Move ⏎Enter ↩Return

HDMI Black Level

You can directly select the black level on the screen to adjust the screen depth.

1. Press the **MENU** button to display the menu. Press the ▲ or ▼ buttons to select "Setup", then press the **ENTER/OK** button.

2. Press the ▲ or ▼ buttons to select "HDMI Black Level", then press the **ENTER/OK** button.

3. Press the ▲ or ▼ buttons to select "Normal" or "Low", then press the **ENTER/OK** button.

4. Press the **EXIT** button to exit.
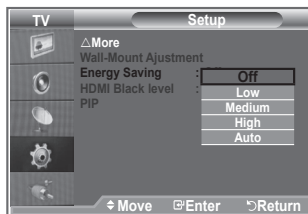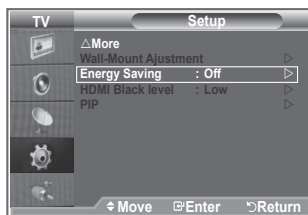   ➣ This Function is active only when the externel input connects HDMI(RGB siginal).

   • **Normal:** The screen gets brighter.
   • **Low:** The screen gets darker.

4. Press the **EXIT** button to exit.

TV	Setup
△More	
Wall-Mount Ajustment	
Energy Saving : Off	▷
HDMI Black level : Normal	▷
PIP	▷
	⬍Move ⏎Enter ↩Return

TV	Setup
△More	
Wall-Mount Ajustment	
Energy Saving : Off	
HDMI Black level :	**Normal**
PIP	Low
	⬍Move ⏎Enter ↩Return
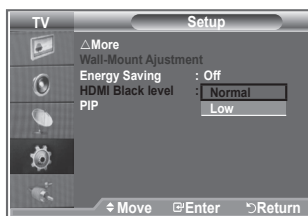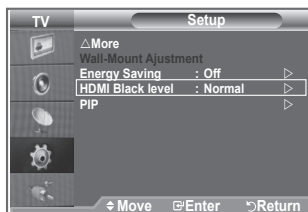
Selecting the Source

You can select among external sources connected to your TV's input jacks.

1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ button to select "Input", then press the **ENTER/OK** button.

2. Press the **ENTER/OK** button again, to select "Source List".
   ➤ When no external device is connected to your set, only "TV" are activated in the "Source List", "AV1", "AV2", "S-Video", "Component1", "Component2", "PC", "HDMI1", "HDMI2", "HDMI3" are activated only when they are connected to your set.

3. Select the required device by pressing the ▲ or ▼ button. Press the **ENTER/OK** button.

⌨ Press the **SOURCE** button on the remote control to toggel between all the available source.
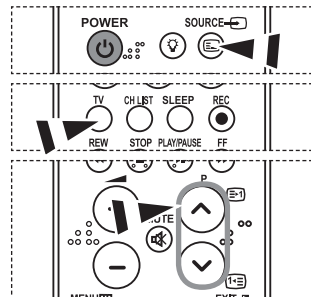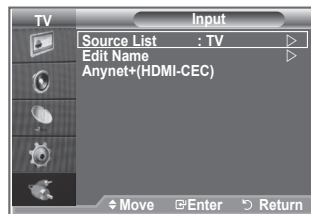   TV mode can be selected by pressing the **TV** button, number buttons(0~9), and the **P**⊙/⊙ button on the remote control. But it cannot be selected using the **SOURCE** button.

TV	Input	
	Source List : TV	▷
	Edit Name	▷
	Anynet+(HDMI-CEC)	
	⬍Move ↵Enter ↺Return	

TV	Source List	
	TV	
	AV1 : ----	
	AV2 : ----	
	S-Video : ----	
	Component1 : ----	
	Component2 : ----	
	PC : ----	
	HDMI1 : ----	
	HDMI2 : ----	
	HDMI3 : ----	
	⬍Move ↵Enter ↺Return	

Editing the Input Source Names

Name the device connected to the input jacks to make your input source selection easier.

1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ button to select "Input", then press the **ENTER/OK** button.

2. Press the ▲ or ▼ button to select "Edit Name", then press the **ENTER/OK** button.

3. Press the ▲ or ▼ button to select the device that you wish to edit.
   Press the **ENTER/OK** button.

4. Press the ▲ or ▼ button to select the required device. Press the **ENTER/OK** button.

5. Press the **EXIT** button to exit.

TV	Input	
	Source List : TV	▷
	Edit Name	▷
	Anynet+(HDMI-CEC)	
	⬍Move ↵Enter ↺Return	

TV	Edit Name	
	AV1 : ----	
	AV2 : VCR	
	S-Video : DVD	
	Component1 : D-VHS	
	Component2 : Cable STB	
	PC : HD STB	
	HDMI1 : Satellite STB	
	HDMI2 : ---- ▼	
	HDMI3 : ----	
	⬍Move ↵Enter ↺Return	
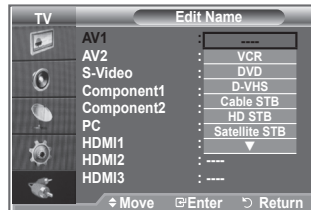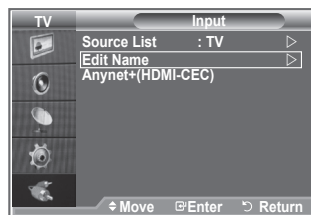
Teletext Decoder

Most set channels carry " teletext ", pages of written
information that provide information such as:
◆Television programme times.
◆News bulletins and Weather forecasts.
◆Sports results.
◆Subtitles for the hard of hearing.

The teletext pages are organized according to six categories:
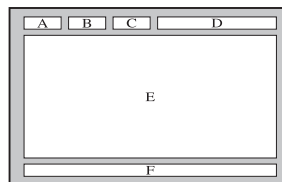
Part	Contents
A	Selected page number.
B	Broadcasting station identity.
C	Current page number or search status.
D	Date and time.
E	Text.
F	Status information.

Displaying the Teletext Information

You can display teletext information at any time, but signal reception
must be good. Otherwise:

◆Information may be missing.

◆Some pages may not be displayed.

To activate the teletext mode and display the contents page:

1. Using the P⊙ (▤) or P⊙ (▤) button, select the channel providing
   the teletext service.

2. Press the **TEXT/MIX** (▤/⊿) button to activate the teletext mode.
   ➢ The contents page is displayed. It can be redisplayed at any time
   by pressing the **MENU** (▤) button.

3. Press the **TEXT/MIX** (▤/⊿) button again.
   ➢ The actual broadcast will be displayed with "Teletext", "Double",
   and "Mix" in order on the screen.

4. Press the **TV** button to exit from the Text display.

➢ If any broken character appears while Text is being viewed, make
   sure that the Text language is identical with the language in the
   "Setup" menu mode. If both languages are different, select the same language with the Text
   language on the "Setup" menu.
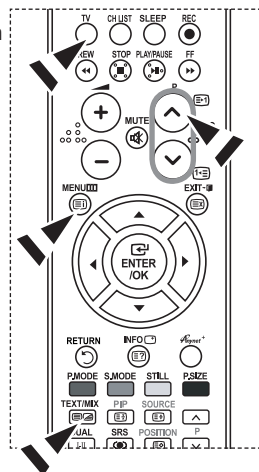
Selecting a Specific Teletext Page

Press the number buttons on the remote control to enter the page number directly:

1. Enter the three-digit page number listed in the contents by pressing the corresponding numeric buttons.

2. If the selected page is linked with several secondary pages, the secondary pages are displayed in sequence. To freeze the display on a given page, press the **PIP** (▤) . Press the **PIP** (▤) button again to resume.

3. Using the various display options:

To display...	Press the...
Both teletext information and the normal broadcast	**TEXT/MIX** (▤/▧)
Hidden text (answers to quiz games, for example)	**INFO** (▤?)
The normal screen	**INFO** (▤?)
A secondary page, by entering its 4-digit number	**PRE-CH** (▤)
The next page The previous page	**P** ⊙ (▤) **P** ⊙ (▤)
Double-size letters in the: ⬩ Upper half of the screen ⬩ Lower half of the screen	**SOURCE** (▤) ⬩ Once ⬩ Twice
Normal screen	⬩ Three times
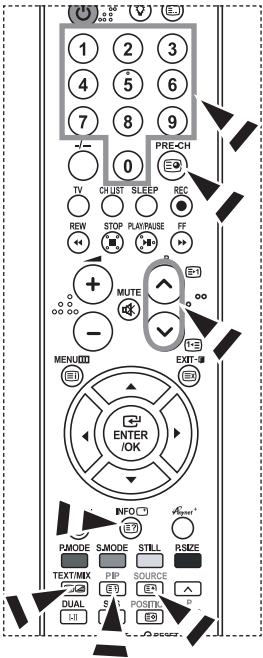
Using Fastext to Select a Teletext Page

The various topics included in the teletext pages are colour-coded, and can be selected by pressing the coloured buttons on the remote control.

1. Display the teletext contents page by pressing the **TEXT/MIX** (▤/▧) button.

2. Press the coloured button corresponding to the topic that you wish to select (The available topics are listed on the status information line).

3. Press the Red button to display the previous page.
   Press the Green button to display the next page.

4. Press the **TV** button to exit from the Text display.
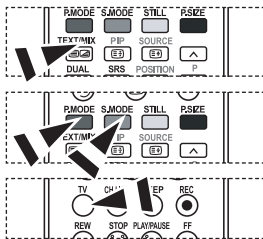
Setting Up Your Remote Control

After it has been set up properly, your remote control can operate in five different modes: TV, DVD, Cable, Set-Top Box, VCR. Pressing the corresponding button on the remote control allows you to switch between these modes, and control whichever piece of equipment you choose.

➣ The remote control might not be compatible with all DVD Players, VCRs, Cable boxes, and Set-Top Boxes.

Setting Up the Remote to Operate Your VCR

1. Turn off your VCR.

2. Press the **VCR** button on your TV's remote control.

3. Press the **SET** button on your TV's remote control.
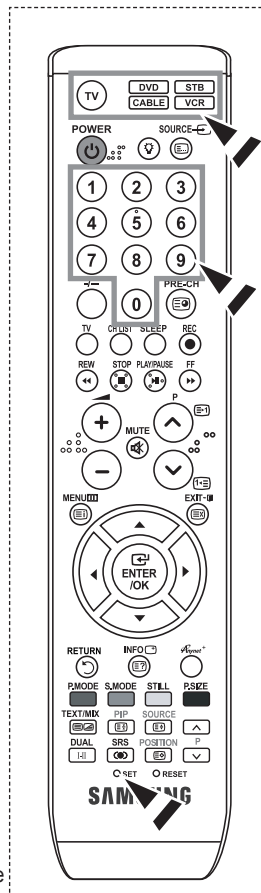
4. Using the number buttons on your remote control, enter three digits of the VCR code listed on page 36 of this manual for your brand of VCR. Make sure you enter three digits of the code, even if the first digit is a "0". (If more than one code is listed, try the first one.)

5. Press the **POWER**⏻ button on the remote control.
   Your VCR should turn on if your remote is set up correctly.
   If your VCR does not turn on after set up, repeat steps 2, 3, and 4, but try one of the other codes listed for your brand of VCR.
   If no other codes are listed, try each VCR code, 000 through 080.

➣ Note on Using Remote Control Modes: VCR
   When your remote control is in "VCR" mode, the volume buttons still control your TV's volume.

Setting Up the Remote to Operate Your Cable Box

1. Turn off your cable box.

2. Press the **CABLE** button on your TV's remote control.

3. Press the **SET** button on your TV's remote control.

4. Using the number buttons on your remote control, enter three digits of the cable box code listed on page 37 of this manual for your brand of cable box. Make sure you enter three digits of the code, even if the first digit is a "0".
   (If there is more than one code listed, try the first one.)

5. Press the **POWER**⏻ button on the remote control.
   Your cable box should turn on if your remote is set up correctly.
   If your cable box does not turn on after set up, repeat steps 2, 3, and 4, but try one of the other codes listed for your brand of cable box. If no other codes are listed, try each code, 000 through 046.

➣ Note on Using Remote Control Modes: Cable Box
   When your remote control is in "CABLE" mode, the volume buttons still control your TV's volume.

Setting Up the Remote to Operate Your DVD

1. Turn off your DVD.

2. Press the **DVD** button on your TV's remote control.

3. Press the **SET** button on your TV's remote control.

4. Using the number buttons on your remote control, enter three digits
   of the DVD code listed on page 37~38 of this manual for your brand
   of DVD. Make sure you enter three digits of the code, even if the first
   digit is a "0". (If there is more than one code listed, try the first one.)

5. Press the **POWER**⏻ button on the remote control.
   Your DVD should turn on if your remote is set up correctly.
   If your DVD does not turn on after set up, repeat steps 2, 3, and 4,
   but try one of the other codes listed for your brand of DVD.
   If no other codes are list-ed, try each code, 000 through 141.

➢ Note on Using Remote Control Modes: DVD
   When your remote control is in "DVD" mode, the volume buttons still
   control your TV's volume.

Setting Up the Remote to Operate Your STB

1. Turn off your STB.

2. Press the **STB** button on your TV's remote control.

3. Press the **SET** button on your TV's remote control.

4. Using the number buttons on your remote control, enter three digits
   of the STB code listed on page 38 of this manual for your brand of
   STB. Make sure you enter three digits of the code, even if the first digit is
   a "0". (If there is more than one code listed, try the first one.)

5. Press the **POWER**⏻ button on the remote control.
   Your STB should turn on if your remote is set up correctly.
   If your STB does not turn on after set-up, repeat steps 2, 3 and 4, but
   try one of the other codes listed for your brand of STB.
   (If no other codes are listed, try each code, 000 through 074.)

➢ Note on Using Remote Control Modes: STB
   When your remote control is in "STB" mode, the volume buttons still
   control your TV's volume.
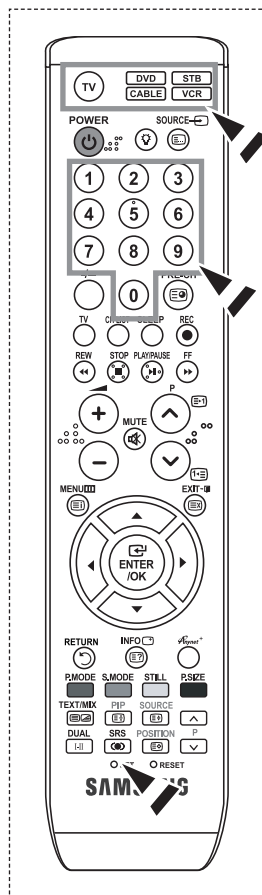
Remote Control Codes

➢ **VCR**

Brand	Code
SAMSUNG	000 001 002 003 004 005 077 078 079
ADMIRAL	020
AIWA	025
AKAI	004 027 032
AUDIO DYNAMICS	007 026
BELL&HOWELL	018
BROKSONIC	022
CANDLE	002 003 006 008 015 055
CANON	021 056
CITIZEN	002 003 006 008 015 055
COLORTYME	007
CRAIG	002 024
CURTIS MATHES	002 007 008 017 021 025 056 064 066
DAEWOO	003 010 011 012 013 014 015 016
DB	007 026
DIMENSIA	017
DYNATECH	025
ELECTROHOME	034
EMERSON	001 003 006 021 022 025 030 032 034 040 047 050 052 060 063 065 066 067 069 073
FISHER	018 024 028 029 048 051 061
FUNAI	025
GENERAL ELECTRIC	002 005 017 021 056
GO VIDEO	002
HARMAN KARDON	007
HITACHI	019 025 041 042 074
INSTANT REPLAY	021
JC PENNEY	002 007 018 019 021 026 037 041 054 056
JCL	007 008 018 021 026 037
JVC	081 082 083
KENWOOD	007 008 018 021 026 037
KLH	070
KONIA	036
LG(Goldstar)	006 007 008 009 010
LIOYD	025
LOGIK	038
LXI	025
MAGNAVOX	021 056 059
MARANTZ	007 008 018 021 026 037 062
MARTA	006
MEI	021
MEMOREX	006 021 024 025
MGA	034
MIDLAND	005
MINOLTA	019 041 075
MITSUBISHI	019 034 041 046

Brand	Code
MONTGOMERY WARD	020
MTC	002 025
MULTITECH	002 005 025 038
NEC	007 008 018 026 037 062 064
OPTIMUS	020
ORION	073 074 075 076
PANASONIC	021 056 071 072
PENTAX	019 041 075
PENTEX RESEARCH+	008
PHILCO	021 056 059
PHILIPS	021 080
PIONEER	019 026 039 053
PORTLAND	015 049 055
PROSCAN	017
QUARTZ	018
QUASAR	021 056
RADIO SHACK/ REALISTIC	006 018 020 021 024 025 029 034 048 056
RCA	002 017 019 021 035 041 043 057 068 076
SANSUI	026
SANYO	018 024
SCOTT	003 047 052 067
SEARS	006 018 019 024 028 029 041 048 051
SHARP	020 034 045 015
SHIMTOM	027 033 038 058
SIGNATURE	025
SONY	027 033 044
SYLVANIA	021 025 056 059
SYMPHONIC	025
TANDY	018 025
TASHIKA	006
TATUNG	037
TEAC	025 037 068
TECHNICS	021
TEKNIKA	006 021 025 031
TMK	066
TOSHIBA	003 019 029 051 052
TOTEVISION	002 006
UNITECH	002
VECTOR RESEARCH	007 026
VICTOR	026
VIDEO CONCEPTS	007 026
VIDEOSONIC	002
WARDS	002 003 006 019 020 021 024 025 034 038 041
YAMAHA	007 008 018 026 037
ZENITH	023 027 033

CABLE BOX

Brand	Code		Brand	Code
SAMSUNG	000 001 002 003 004 005 006 007		REGENCY	015 023
GI	041		SA	042 043
HAMLIN	003 024 031		SCIENTIFIC ATLAN	042 043
HITACHI	025 030		SPRUCER	022
JERROLD	038 039		STARGATE 2000	036
MACOM	025 030		SYLVANIA	016
MAGNAVOX	019 023 028		TEXSCAN	016
OAK	026		TOCOM	032
PANASONIC	003 022 027 037 044		UNIVERSAL	033 034
PHILIPS	019 021 023 028		VIEWSTAR	019 021 023 028
PIONEER	004 018 020 044		WAMER AMEX	046
RCA	014 022 040		ZENITH	017 029 035 037 045
REGAL	003			

SAMSUNG DVD

Product	Code		Product	Code
DVD	000 001 002		Home Theater VCR COMBO	014 015 016
DVDR	003 004		HDD Recorder COMBO	017
BD Record	005 006		TWIN TRAY COMBO	018
VCR COMBO	007 008 009 010 011		STB DVD COMBO	019
VCR Record	012		DVD Receiver	020
DHR COMBO	013		AV Receiver	021

DVD

Brand	Code		Brand	Code
ANAM	030		INTEGRA	092
AUDIOVOX	075		JBL	091
AUDIOLOGIC	085		JVC	022 033 115 116
ANABA	072		JATON	073
APEX DIGITAL	070 071 074 086 083 084 088 111 112		KENWOOD	051 108 109
AIWA	114		KISS	073
BROKSONIC	062		KONKA	059 100 106 107
BLAUPUNKT	074		KLH	074 075
B&K	122 123		LG(Goldstar)	025 031
CURTIS MATHES	027		LOEWE	057
CYBER HOME	077 078 079 082		LASONIC	058
CLARION	080 125		MOBILE AUTHORITY	054
CIRRUS	081		MEMOREX	055
CYBER HOME	065		MALATA	056
CINEVISION	095		MAGNAVOX	076 093
DAEWOO	066		MINTEK	074 094
DENON	146		MONYKA	073
FARENHEIT	067 068		NORCENT	048 049 050
FISHER	090		NEXT BASE	052
GPX	060		NEC	053
GO VIDEO	061 089 133 135		NANTAUS	144
GE	069 074		NESA	074
GREENHILL	074		OPTOMEDIA ELECTRONICS	105
HITACHI	064 113		OPTIVIEW	072
HITEKER	071		ONKYO	076 092 119
HOYO	073		PHILCO	044 045
HARMAN / KARDON	091 110		PRINCETON	046 047
IRT	089		PROSCAN	023

☞ DVD

Brand	Code		Brand	Code
PANASONIC	024 034 124 134 136 137 138		THOMSON	145
PHILIPS	036 076		TOSHIBA	028 062 076
ROTEL	117 118		TECHNICS	139
RIO	120		TVIEW	072
RCA	023 035 074 075 131 132		TOKAI	073
RAITE	073		TEAC	096
ROWA	038		TECHWOOD	097
SAMPO	104		TREDEX	098 099 101
SONY	026 029 126 127 128 129 130 141		URBAN CONCEPTS	076
SHERWOOD	039 041		VENTURER	075
SVA	042		VOCOPRO	102
SYLVANIA	043 093		YAMAHA	032 063
SHARP	140		YAMAKAWA	040 073
SANSUI	062		XWAVE	103
SANYO	062 090		ZENITH	076 121
SHINSONIC	094			

☞ SAMSUNG SET-TOP BOX

Product	Code		Product	Code
Ground wave STB	001 002		Satellite STB HDD COMBO Premium	010
Satellite STB	003		CABLE STB HDD COMBO Standard	011
CABLE STB	004		CABLE STB HDD COMBO Premium	012
STB DVD COMBO	008		Ground wave STB HDD COMBO Standard	013
Satellite STB HDD COMBO Standard	009		Ground wave STB HDD COMBO Premium	014

☞ SET-TOP BOX

Brand	Code		Brand	Code
ALPHASTAR	023		MAGNAVOX	016 021 036 038 039 040 041 042
ANAM	043		MEMOREX	016
CHANNEL MASTER	018 034		MOTOROLA	064
CROSSDIGITAL	019		MACOM	018
CHAPARRAL	035		MITSUBISHI	015
DIRECT TV	015 016 017 019 022 045 060 061 062 065 066 067 068		NEXT LEVEL	047 048 064
DAEWOO	074		PHILIPS	015 016 017 021 033 036 038 039 040 041 042 067
DISH NETWORK SYSTEM	069 070		PRIMESTAR	046 049 050 063
DISHPRO	069		PANASONIC	058 059 061 062
DRAKE	018 024 032		PAYSAT	016
DX ANTENNA	027		PROSCAN	065 066
ECHOSTAR	025 069 070 071		RCA	051 052 053 065 066
EXPRESSVU	069		RADIOSHACK	064
GOI	069		REALISTIC	057
GE	065		STAR TRAK	026
GENERAL INSTRUMENT	046 047 048 063 064		STS	020 027
HTS	069		SKY	031
HOME CABLE	056		SKY LIFE	005 006 007
HITACHI	022		SHACK	064
HUGHES NETWORK	015 017		STAR CHOICE	064
IQ	020		SONY	054 060
IQ PRISM	020		TOSHIBA	015 017 028 029 030 072
JANEIL	059		ULTIMATE TV	060 066
JERROID	063		UNIDEN	016 021 037 055 056 057
JVC	069 070		ZENITH	024 031 068
LG(Goldstar)	044 073			

Setting up Your PC Software (Based on Windows XP)

The Windows display-settings for a typical computer are shown below. The actual screens on your PC may be different depending upon your particular version of Windows and your particular video card. Even if your actual screens look different, the same, basic set-up information will apply in almost all cases. (If not, contact your computer manufacturer or Samsung Dealer.)

1. First, click on "Control Panel" on the Windows start menu.

2. When the control panel window appears, click on "Appearance and Themes" and a display dialog-box will appear.

3. When the control panel window appears, click on "Display" and a display dialog-box will appear.

4. Navigate to the "Settings" tab on the display dialog-box.
   The correct size setting (resolution):
   Optimum- (LA32R8, LA37R8, LA40R8) : 1360 X 768
            (LA40M8, LA46M8, LA52M8) : 1920 X 1080

   If a vertical-frequency option exists on your display settings dialog box, the correct value is "60" or "60 Hz". Otherwise, just click "OK" and exit the dialog box.

Display Modes

Both screen position and size will vary depending on the type of PC monitor and its resolution. The resolutions in the table are recommended. (All resolutions between the supported limits are supported)

(LA32R8, LA37R8, LA40R8)

➢ **D-Sub Input**

Mode	Resolution	Horizontal Frequency (kHz)	Vertical Frequency (Hz)	Pixel Clock Frequency (MHz)	Sync Polarity (H/V)
IBM	640 × 350	31.469	70.086	25.175	+ / -
	640 x 480	31.469	59.940	25.175	- / -
	720 x 400	31.469	70.087	28.322	- / +
VESA	640 x 480	37.861	72.809	31.500	- / -
	640 x 480	37.500	75.000	31.500	- / -
	800 x 600	37.879	60.317	40.000	+ /+
	800 x 600	48.077	72.188	50.000	+ /+
	800 x 600	46.875	75.000	49.500	+ /+
	1024 x 768	48.364	60.000	65.000	- / -
	1024 x 768	56.476	70.069	75.000	- / -
	1024 x 768	60.023	75.029	78.750	+ /+
	1360 x 768	47.712	60.015	85.800	+ /+

➢ **HDMI/DVI Input**

Mode	Resolution	Horizontal Frequency (kHz)	Vertical Frequency (Hz)	Pixel Clock Frequency (MHz)	Sync Polarity (H/V)
IBM	640×350	31.469	70.086	25.175	+/-
	720×400	31.469	70.087	28.322	-/+
	640×480	31.469	59.940	25.175	-/-
VESA	800×600	37.879	60.317	40.000	+/+
	1024×768	48.364	60.000	65.000	-/-
	1360×768	47.712	60.015	85.800	+/+

(LA40M8, LA46M8, LA52M8)

➣ **D-Sub Input**

Mode	Resolution	Horizontal Frequency (kHz)	Vertical Frequency (Hz)	Pixel Clock Frequency (MHz)	Sync Polarity (H/V)
IBM	640 X 350	31.469	70.086	25.175	+ / -
	640 x 480	31.469	59.940	25.175	- / -
	720 x 400	31.469	70.087	28.322	- / +
VESA	640 X 480	35.000	70.000	28.560	- / +
	640 x 480	37.861	72.809	31.500	- / -
	640 x 480	37.500	75.000	31.500	- / -
	800 x 600	43.750	70.000	45.500	- / +
	800 x 600	37.879	60.317	40.000	+ / +
	800 x 600	48.077	72.188	50.000	+ / +
	800 x 600	46.875	75.000	49.500	+ / +
	1024 x 768	57.672	72.000	78.434	- / -
	1024 x 768	48.364	60.000	65.000	- / -
	1024 x 768	56.476	70.069	75.000	- / -
	1024 x 768	60.023	75.029	78.750	+ /+
	1152 x 864	67.500	75.000	108.000	+ / +
	1280 x 960	60.000	60.000	108.000	+ / +
	1280 x 1024	63.981	60.020	108.000	+ / +
	1280 x 1024	74.620	70.000	128.943	- / -
	1280 x 1024	76.824	72.000	132.752	- / -
	1280 x 1024	79.976	75.025	135.000	+ / +
	1600 x 1200	75.000	60.000	162.000	+ / +
	1920 x 1080	66.587	59.934	138.500	+ / -

➣ **HDMI/DVI Input**

Mode	Resolution	Horizontal Frequency (kHz)	Vertical Frequency (Hz)	Pixel Clock Frequency (MHz)	Sync Polarity (H/V)
IBM	640 X 350	31.469	70.086	25.175	+ / -
	640 X 480	31.469	59.940	25.175	- / -
	720 X 400	31.469	70.087	28.322	- / +
VESA	800×600	37.879	60.317	40.000	+ / +
	1024×768	48.364	60.000	65.000	- / -
	1280×1024	63.981	60.020	108.000	+ / +
	1920×1080	66.587	59.934	138.500	+ / -

➣ The interlace mode is not supported.

➣ The set might operate abnormally if a non-standard video format is selected.

➣ Separate and Composite modes are supported. SOG is not supported.

Setting the PC

Coarse and Fine Tuning of the Image (Image Lock):
The purpose of picture quality adjustment is to remove or reduce picture noise.
If the noise is not removed by Fine-tuning alone, then adjust the frequency as best as possible (coarse) and Fine-tune again. After the noise has been reduced, re-adjust the picture so that it is aligned on the center of screen.

1. Preset: Press the **SOURCE** button to select PC mode.

2. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ button to select "Setup", then press the **ENTER/OK** button.

3. Press the ▲ or ▼ button to select "PC", then press the **ENTER/OK** button.

4. Press the **ENTER/OK** button to select "Image Lock".

5. Press the ▲ or ▼ button to select "Coarse" or "Fine", then press the **ENTER/OK** button.

6. Press the ◄ or ► button to adjust the screen quality.
   Press the **ENTER/OK** button.

7. Press the **EXIT** button to exit.
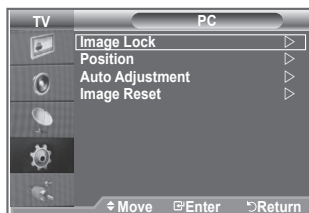
Changing the Image Position:
Adjust the PC's screen positioning if it does not fit the TV screen.

1. Follow the "Coarse and Fine Tuning of the Image (Image Lock)" instructions number 1 to 3.

2. Press the ▲ or ▼ button to select "Position", then press the **ENTER/OK** button.

3. Press the ▲ or ▼ button to adjusting the Vertical-Position.
   Press the ◄ or ► button to adjust the Horizontal-Position.
   Press the **ENTER/OK** button.

4. Press the **EXIT** button to exit.
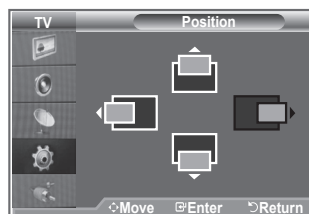
Adjusting the PC Screen Automatically (Auto Adjustment):
Auto adjustment allows the PC screen of set to self-adjust to the incoming PC video signal. The values of fine, coarse and position are adjusted automatically.

1. Follow the "Coarse and Fine Tuning of the Image (Image Lock)" instructions number 1 to 3.

2. Press the ▲ or ▼ button to select "Auto Adjustment", then press the **ENTER/OK** button.

3. Press the **EXIT** button to exit.
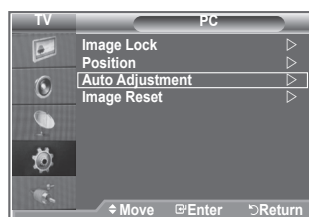
Initializing the Image Settings (Image Reset):
You can replace all image settings with the factory default values.

1. Follow the "Coarse and Fine Tuning of the Image (Image Lock)" instructions number 1 to 3.

2. Press the ▲ or ▼ button to select "Image Reset", then press the **ENTER/OK** button.

3. Press the **EXIT** button to exit.
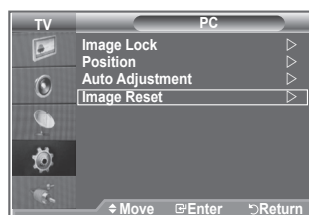
What is Anynet+?

Anynet+ is an AV network system that enables an easy-to-use AV interface for users by controlling all connected AV devices through the Anynet+ menu when Samsung Electronics AV devices are connected.
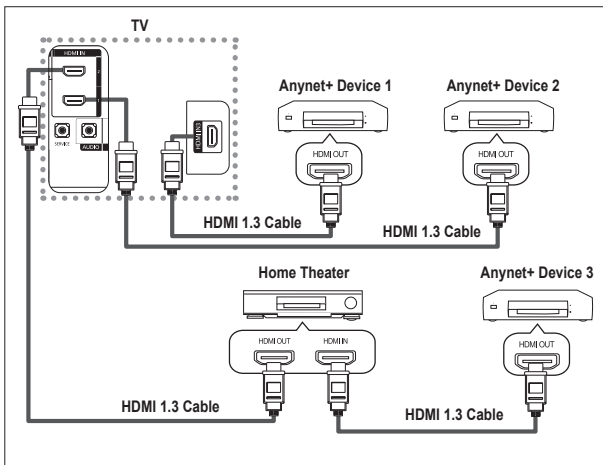
Connecting Anynet+ Devices

The Anynet+ system supports AV devices supporting Anynet+ only.
Check if there is an Anynet+ mark on the AV device to be connected to the TV.

To directly connect to TV
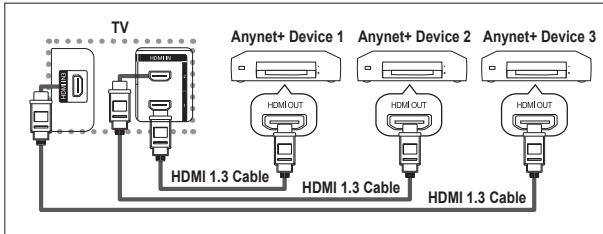
Connect the [HDMI 1], [HDMI 2] or [HDMI 3] jack on the TV and the HDMI OUT jack of the corresponding Anynet+ device using the HDMI cable.

To connect to Home Theater

1. Connect the [HDMI 1], [HDMI 2] or [HDMI 3] jack on the TV and the HDMI OUT jack of the corresponding Anynet+ device using the HDMI cable.
2. Connect the HDMI IN jack of the home theater and the HDMI OUT jack of the corresponding Anynet+ device using the HDMI cable.

➢ Connect only one receiver.
➢ You can connect an Anynet+ device using the HDMI 1.3 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 8 AV devices in total.

Setting Up Anynet+

**The following settings are to use Anynet+ functions.**

Using the Anynet+ Function

1. Press the **Anynet+** button.
    Press the ▲ or ▼ button to select **Setup**, then press the **ENTER/OK** button.
2. Press the **ENTER/OK** button to select **Anynet+ (HDMI-CEC)**, then press the **ENTER/OK** button.
3. Press the ▲ or ▼ button to select **On**, then press the **ENTER/OK** button.
➣ The Anynet+ (HDMI-CEC) function is enabled.
➣ If you select **Off**, Anynet+ (HDMI-CEC) is disabled.
➣ When the Anynet+ (HDMI-CEC) function is disabled, all the Anynet+ related operations are deactivated.

Turning an Anynet+ Device Off Automatically when the TV is Turned Off

1. Press the ▲ or ▼ button to select **Auto Turn Off**, then press the **ENTER/OK** button.
2. Press the ▲ or ▼ button to select **On**, then press the **ENTER/OK** button.
    ➣ The Auto turn off function is enabled.
    ➣ If you select **Off**, the Auto turn off function is canceled.
    Press the **EXIT** button to exit.
➣ The Select Device setting of the TV remote control is to be set to TV to use the Anynet+ function.
➣ If you set Auto Turn Off to On, connected external devices are also turned off when the TV is turned off. However, if the device is recording, it may not be turned off.
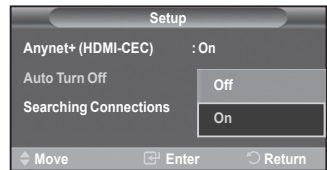
Scanning and Switching between Anynet+ Devices

1. Press the **Anynet+** button.
2. Press the ▲ or ▼ button to select **Select Device**, then press the **ENTER/OK** button.
3. Press the ▲ or ▼ button to select to a particular device and press the **ENTER/OK** button.
    It is switched to the selected device.
4. If you cannot find a device you want, press the ▲ or ▼ button to select **Searching Connections**, then press the **ENTER/OK** button.
    The meassage **Configuring Anynet+ connection...** is displayed. When searching devices completes, the connected devices are listed in the Anynet+ menu.
➣ Switching to the selected devices may take up to 2 minutes. You cannot cancel the operation during the switching operation.
➣ The time required to scan for devices is determined by the number of connected devices.
➣ When the device scan is complete, the number of found devices is not displayed.
➣ Although the TV automatically scans devices when it is turned on using the **POWER** button, devices connected when the TV is on or under a specific circumstance are not displayed in the device list. Therefore select **Searching Connections** menu to search devices.
➣ If you have selected external input mode by pressing the **SOURCE** button, you cannot use the Anynet+ function. Make sure to switch to an Anynet+ device by using the **Anynet+** button.
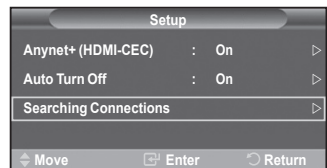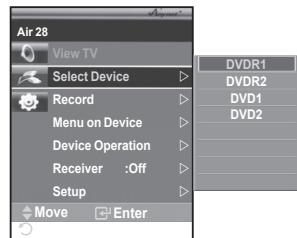
Anynet+ Menu

The Anynet+ menu changes depending on the type and status of the Anynet+ devices connected to the TV.

Anynet+ Menu	Description
View TV	Switches from Anynet+ to TV broadcast mode.
Select Device	Your TV connects to the corresponding device.
Record	Starts a recording. (This menu works only for a device supporting recording.)
Menu on Device	Shows the menu of the connected device. Example. When a DVD Recorder is connected, the DVD Recorder's title menu appears.
Device Operation	Shows the play control menu of the connected device. Example. When a DVD Recorder is connected, the play control menu of the DVD Recorder appears.
Receiver	Sound is output through the receiver.
Setup	You can set the environment for using Anynet+.

TV Remote Control Buttons Available in Anynet+ Mode

Device Type	Operating Status	Available Buttons
Anynet+ Device	After switching to the device, when the menu of the corresponding device is displayed on the screen.	Numeric buttons ▲/▼/◄/►/**ENTER** buttons Color buttons **EXIT** button
	After switching to the device, while playing a file	◄◄(Backward search) ►►(Forward search) ■(Stop) ►ǀǀ (Play/Pause)
Device with built-in Tuner	After switching to the device, when you are watching a TV program	CH ▲/▼ button
Audio Device	When Receiver is activated	VOL +/- button MUTE button
Anyview2	When watching TV	►ǀǀ (Play/Pause)

➢ The Anynet+ function only works when the remote control is set to TV.
➢ The **REC** button works only while in the recordable state.
➢ You cannot control Anynet+ devices using the buttons on the side of the TV. You can control Anynet+ devices only using the TV remote control.
➢ The TV remote control may not work under certain conditions. In this case, re-select the Anynet+ device.
➢ The Anynet+ functions don't operate for the products from other manufacturers.
➢ In Anynet+ mode, the color buttons may not work properly.
➢ The ◄◄, ►► operations may differ depending on the device.

Recording

You can make a recording of a TV program using a recorder.

Press the **REC** button.
Recording begins. (Only when the Anynet+ enabled recording device is connected.)
➢ The current TV program is recorded in the Watching TV status. If you are watching video from another device, the video from the device is recorded.
➢ You can also record the source streams by selecting **Record** after pressing the Anynet+ button.
➢ Before recording, check whether the antenna jack is properly connected to the recording device. For the antenna connection to the recording device, refer to its user manual.

Listening through a Receiver

You can listen to sound through a receiver instead of the TV speaker.

1. Press the **Anynet+** button.
   Press the ▲ or ▼ button to select **Receiver**, then press the **ENTER/OK** button.
2. Press the ◄ or ► button to select to **On**, then press the **ENTER/OK** button.
   Now you can listen to sound through the receiver.
3. Press the **EXIT** button to exit.

➤ When the receiver is set to On, you can listen to the TV sound through the 2-channel receiver.

➤ If the receiver is exclusively for a home theater only (supporting audio only), it may not appear in the device list.

➤ In case of a content with copyright problem, listening through the receiver may not properly operate.

➤ When listening through the receiver, there are restrictions for using the PIP and audio-related menu.

Air 28	
View TV	
Select Device	▷
Record	▷
Menu on Device	▷
Device Operation	▷
Receiver :On	▷
Setup	▷
◆Move ⏎Enter	

Check Points before Requesting Service

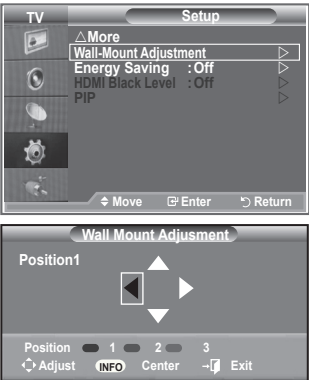| Symptom	Solution
Anynet+ does not work.	■ Check if the device is an Anynet+ device. The Anynet+ system supports Anynet+ devices only. ■ Connect only one receiver. ■ Check if the Anynet+ device power cord is properly connected. ■ Check the Anynet+ device's Video/Audio/HDMI 1.3 cable connections. ■ Check 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 it is Anynet+ exclusive remote control. ■ Anynet+ doesn't work at a certain condition. (Searching channels) ■ When connecting or removing the HDMI 1.3 cable, please make sure to search devices again or restart your TV. ■ Check if the Anynet+ Function of Anynet+ device is set on.
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 in the Anynet+ Setup menu. ■ Press the **TV** button on the TV remote control to switch to TV. Then press the Anynet+ button to show the **Anynet+** menu and select a menu you want.
I want to exit Anynet+.	■ Select **View TV** in Anynet+ menu. ■ Press the **SOURCE** button on the TV remote control and select a device other than Anynet+ devices. ■ Press any of **CH**, **CH LIST**, **PRE-CH**, and such to change to the TV mode. (Note that the channel button operates only when a tuner-embedded Anynet+ device is not connected.)
The Connecting to Anynet+ device… message 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 when the Anynet+ setting or switching to view mode is complete.
The Anynet+ device does not play.	You cannot use the play function when Plug & Play is in progress.
The connected device is not displayed.	■ Check whether or not the device supports Anynet+ functions. ■ Check whether or not the HDMI 1.3 cable is properly connected. ■ Check whether Anynet+ (HDMI-CEC) is set to On in the Anynet+ setup menu. ■ Search Anynet+ devices again. ■ You can connect an Anynet+ device using the HDMI 1.3 cable only. Some HDMI cables may not support Anynet+ functions.
The TV program cannot be recorded.	Check whether the antenna jack on the recording device is properly connected.

Wall-Mount Adjustment (LA40R8, LA40M8, LA46M8, LA52M8)(Sold separately)

Once the wall mount is installed, the position of your TV can be easily adjustable.

TV Rear Panel   Auto Wall-Mount

Serial Cable(1P to 1P)(Not supplied)
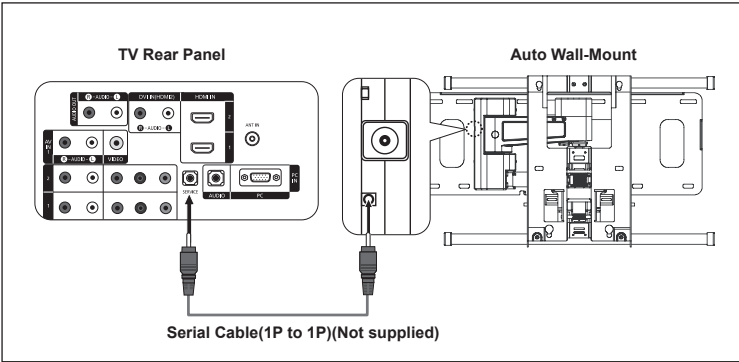
Entering the menu

1. Press the **MENU** button to display the menu.
Press the ▲ or ▼ button to select "Setup", then press the
ENTER/OK button.

2. Press the ▲ or ▼ buttons to select "Wall-Mount Adjustment",
then press the **ENTER/OK** button.

3. Adjust to the desired position using the ▲,▼,◄,► buttons
Press the **EXIT** button to exit.

➢ If you press an arrow button when no OSD is displayed on the
TV screen, the Adjustment screen appears.

➢ When you turn the power off, your TV moves to the initial installa-
tion position.
When you turn the power on, your TV moves to the last
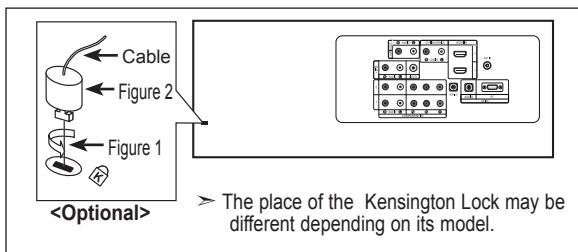remembered position you adjusted.

TV	Setup
	△More
	Wall-Mount Adjustment ▷
	Energy Saving : Off ▷
	HDMI Black Level : Off ▷
	PIP ▷
	↕ Move ⏎ Enter ↩ Return

Wall Mount Adjusment

Position1

Position   1   2   3
↻ Adjust   INFO   Center   →∎ Exit

Using the Remote Control Buttons

Button	Operations	
	Wall-mount angle adjustment	Tilt Up, Tilt Down, Move right, Move left
INFO	Reset	Moves to the initial installation position
P.MODE S.MODE STILL	Remembering the position and moving to the remembered position	Remembers 3 positions with the Red, Green and Yellow buttons. Moves to the remembered position using these 3 color buttons.

➢ For installation, refer to the Installation Manual provided.

➢ For product installation and the installation and moving of the wall mount, make sure to consult a
specialized installation company.

➢ This installation manual is to be used when attaching the wall mount to a wall.
When attaching to other building materials, please contact your nearest dealer

Using the Anti-Theft Kensington Lock

The Kensington lock is a device used to physically fix the system when using it in a public place. The locking device has to be purchased separately. The appearance and locking method may differ from the illustration depending on the manufacturer. Please refer to the manual provided with the Kensington lock for proper use.

1. Insert the locking device into the Kensington slot on the LCD TV (Figure 1), and turn it in the locking direction (Figure 2).

2. Connect the Kensington lock cable.

3. Fix the Kensington lock to a desk or a heavy stationary object.

Cable

Figure 2

Figure 1

<Optional>

➢ The place of the Kensington Lock may be different depending on its model.

Troubleshooting: Before Contacting Service Personnel

No sound or picture	• Check that the mains lead has been connected to a wall socket. • Check that you have pressed the POWER ⏻ buttons on the front of the set. • Check the picture contrast and brightness settings. • Check the volume.
Normal picture but no sound	• Check the volume. • Check whether the MUTE ⬚ button has been pressed on the remote control. • Check if "Internal Mute" is on
No picture or black and white picture	• Adjust the colour settings. • Check that the broadcast system selected is correct.
Sound and picture interference	• Try to identify the electrical appliance that is affecting the set and move it further away. • Plug your set into a different mains socket.
Blurred or snowy picture, distorted sound	• Check the direction, location and connections of your aerial. This interference is often due to the use of an indoor aerial.
Remote control malfunctions	• Replace the remote control batteries. • Clean the upper edge of the remote control (transmission window). • Check the battery terminals.
"Check signal cable." message is displayed.	• Check that the signal cable is firmly connected to the PC or video sources. • Check that the PC or video sources are turned on.
On PC mode, "Not Supported Mode." message is displayed.	• Check the maximum resolution and the frequency of the video adaptor. • Compare these values with the data in the Display Modes.

The TFT LCD panel uses a panel consisting of sub pixels (3,147,264 (LA32R8, LA37R8, LA40R8), 6,220,800 (LA40M8, LA46M8, LA52M8)) which require sophisticated technology to produce. However, there may be few bright or dark pixels on the screen. These pixels will have no impact on the performance of the product.

Technical and Environmental Specifications

Model Name	LA32R8	LA37R8	LA40R8
Screen Size (Diagonal)	32 inch	37 inch	40 inch
Power Consumption	150 W	170 W	210 W
PC Resolution	1360 x 768 @ 60 Hz	1360 x 768 @ 60 Hz	1360 x 768 @ 60 Hz
Sound Output	10 W X 2	10 W X 2	10 W X 2
Dimension (WxDxH) Body With stand	800 X 91 X 541 mm 800 X 252 X 581 mm	917 x 107 x 618 mm 917 x 300 x 661 mm	992 X 107 X 655 mm 992 X 300 x 698 mm
Weight With stand	13.1 kg	20.1 kg	21.1 kg
Environmental Considerations Operating Temperature Operating Humidity Storage Temperature Storage Humidity	10 °C to 40 °C (50 °F to 104 °F) 10 % to 80 %, non-condensing -20 °C to 45 °C (-4 °F to 113 °F) 5 % to 95 %, non-condensing	10 °C to 40 °C (50 °F to 104 °F) 10 % to 80 %, non-condensing -20 °C to 45 °C (-4 °F to 113 °F) 5 % to 95 %, non-condensing	10 °C to 40 °C (50 °F to 104 °F) 10 % to 80 %, non-condensing -20 °C to 45 °C (-4 °F to 113 °F) 5 % to 95 %, non-condensing

Model Name	LA40M8	LA46M8	LA52M8
Screen Size (Diagonal)	40 inch	46 inch	52 inch
Power Consumption	240 W	260 W	310 W
PC Resolution	1920 X 1080 @ 60 Hz	1920 X 1080 @ 60 Hz	1920 X 1080 @ 60 Hz
Sound Output	10 W X 2	10 W X 2	10 W X 2
Dimension (WxDxH) Body With stand	971 x 87 x 628 mm 971 x 300 x 687 mm	1106 x 104x 706 mm 1106 x 326 x 768 mm	1257 x 111 x 800 mm 1257 x 326 x 860 mm
Weight With stand	20.7 kg	29.6 kg	36.4 kg
Environmental Considerations Operating Temperature Operating Humidity Storage Temperature Storage Humidity	10 °C to 40 °C (50 °F to 104 °F) 10 % to 80 %, non-condensing -20 °C to 45 °C (-4 °F to 113 °F) 5 % to 95 %, non-condensing	10 °C to 40 °C (50 °F to 104 °F) 10 % to 80 %, non-condensing -20 °C to 45 °C (-4 °F to 113 °F) 5 % to 95 %, non-condensing	10 °C to 40 °C (50 °F to 104 °F) 10 % to 80 %, non-condensing -20 °C to 45 °C (-4 °F to 113 °F) 5 % to 95 %, non-condensing

Stand Swivel (Left / Right)

-20˚ ~ 20˚   -20˚ ~ 20˚
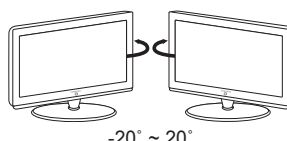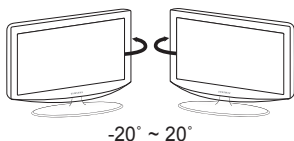
➢ Design and specifications are subject to change without prior notice.
➢ This device is a Class B digital apparatus.
➢ For the power supply, refer to the label attached to the product.

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