

SAMSUNG

DIGITAL TELEVISION

Owner's Instructions

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

**ON-SCREEN MENUS
TELETEXT
DIGITAL TERRESTRIAL RECEIVER**

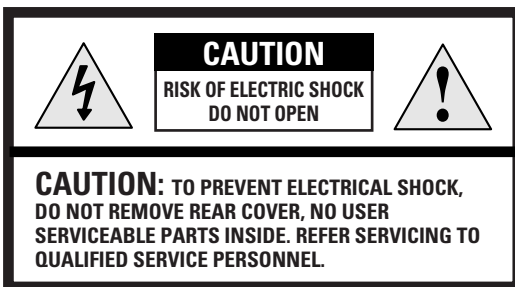
**VIRTUAL
DOLBY
SURROUND**

Safety Instructions

- ◆ *Do not expose the television to extreme temperature conditions or to extreme humidity conditions.*
- ◆ *Do not expose the television to direct sunlight and other sources of heat.*
- ◆ *Do not expose the television to any liquids.*
- ◆ *Never put objects of any kind into the television, and do not place a water-containing vessel on the television.*
- ◆ *During a storm conditions (especially when there is lightning) unplug the television from the mains socket and aerial.*
- ◆ *Do not step on or twist the power cord.*
- ◆ *Do not overload wall outlets or extension cords as this can result in a risk of fire or electric shock.*
- ◆ *Please use a soft and dry cloth (not containing volatile matter) when you clean the TV.*
- ◆ *If the television is broken, do not try to repair it yourself. Contact qualified service personnel.*
- ◆ *If the remote control is not used for a long period of time, remove the batteries and store it in a cool, dry place.*
- ◆ *Do not drop the remote control.*

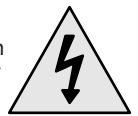
This device is not for use in industrial environments.

Caution




WARNING: TO PREVENT DAMAGE WHICH MAY RESULT IN FIRE OR SHOCK HAZARD. DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

The lightning flash and arrow head within the triangle is a warning sign alerting you of "dangerous voltage" inside the product.



The exclamation point within the triangle is a warning sign alerting you of important instructions accompanying the product.



 *The main voltage is indicated on the rear of the TV set and the frequency is 50 or 60Hz.*

Contents

◆ FOREWORD	
■ Safety Instructions	2
■ Caution	2
◆ CONNECTING AND PREPARING YOUR TELEVISION	
■ View of Your Television	5
■ Becoming Familiar with the Remote Control	6
■ Inserting the Batteries in the Remote Control.....	7
■ Connecting to an Aerial or Cable Television Network	8
■ Switching Your Television On and Off.....	9
■ Placing Your Television in Standby Mode	9
■ Plug & Play Feature.....	10
■ Viewing the Demonstration.....	11
■ Choosing Your Language.....	11
◆ USING THE DTV FEATURE	
■ Previewing the DTV Menu System.....	12
■ Updating the Channel List	13
■ Editing Your Favourite Channels.....	14
■ Selecting Channel Lists	15
■ Viewing EPG (E <u>l</u> ectronic P <u>r</u> ogramme G <u>u</u> ide) Information.....	16
■ Viewing All Channels and Favourite Channels.....	18
■ Viewing Channel Lists	19
■ Displaying Programme Information	19
■ Selecting Category Colours.....	20
■ Using the Preferences	21
– Subtitle	
– Translucency Level	
– Digital Text	
■ Selecting the Preferred Language (Subtitle or Audio).....	22
■ Viewing Product Information.....	23
■ Checking the Signal Information.....	23
■ Upgrading the Software (Option).....	24
■ Resetting	25
◆ SETTING THE CHANNELS (ANALOG TV)	
■ Storing Channels Automatically.....	26
■ Sorting the Stored Channels	27
■ Storing Channels Manually.....	28
■ Skipping Unwanted Channels	30
■ Assigning Names to Channels	31
■ Fine Tuning Channel Reception	32

Symbols



Press



Important



Note

Contents (continued)

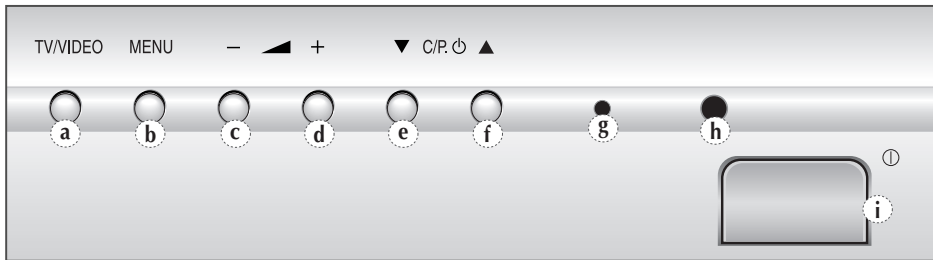
◆ USING YOUR TELEVISION	
■ Changing the Picture Standard	33
■ Adjusting the Picture Settings.....	34
■ Extra Picture Settings	35
– Digital NR	
– Tilt	
– LNA (L ow N oise A mplifier)	
■ Setting the Blue Screen.....	36
■ Selecting the Picture Size.....	36
■ Freezing the Current Picture	37
■ Changing the Sound Standard	37
■ Adjusting the Sound Settings	38
■ Extra Sound Settings.....	39
– Auto volume	
– Melody	
– Pseudo stereo / Virtual surround	
■ Selecting the Sound Mode (depending on the model)	40
■ Setting the Sleep Timer.....	41
■ Setting and Displaying the Current Time.....	42
■ Switching the Television On and Off Automatically	43
◆ USING THE TELETEXT FEATURE	
■ Teletext Feature	44
■ Displaying the Teletext Information	44
■ Selecting a Page by Number.....	45
■ Using FLOF to Select a Page.....	46
■ Storing Teletext Pages	46
◆ ADDITIONAL INFORMATION ON CONNECTIONS	
■ Connecting to the External Input/Outputs.....	47
■ Connecting to the Audio Output	47
■ Connecting to the RCA Input.....	48
■ Connecting to the S-Video Input.....	48
■ Connecting Headphones.....	49
■ Viewing Pictures From External Sources	49
◆ RECOMMENDATIONS FOR USE	
■ Automatic Degaussing to Remove Colour Patches.....	50
■ Troubleshooting: Before Contacting Service Personnel.....	50
■ Wiring the Mains Power Supply Plug (UK Only).....	51
■ European Notice.....	51

View of Your Television

➤ The actual configuration on your TV may be different, depending on your model.

Control Panels

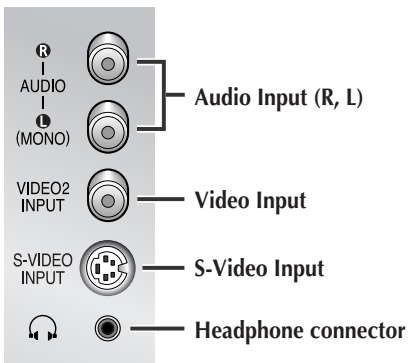
Front of the TV



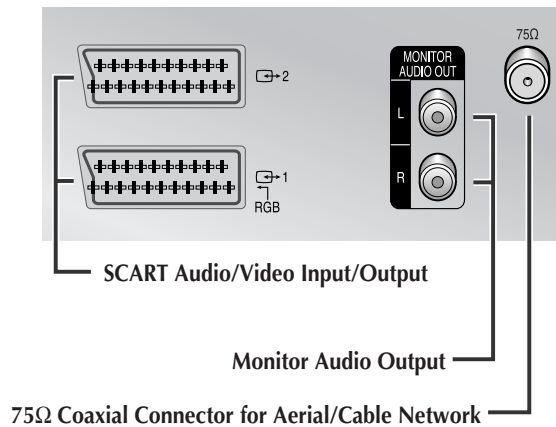
- | | |
|---------------------------|--------------------------|
| a) Input source selection | f) Next channel |
| b) Menu display | g) Standby indicator |
| c) Volume decrease | h) Remote control sensor |
| d) Volume increase | i) Power On/Off |
| e) Previous channel | |

Connection Panels

Side of the TV



Rear of the TV

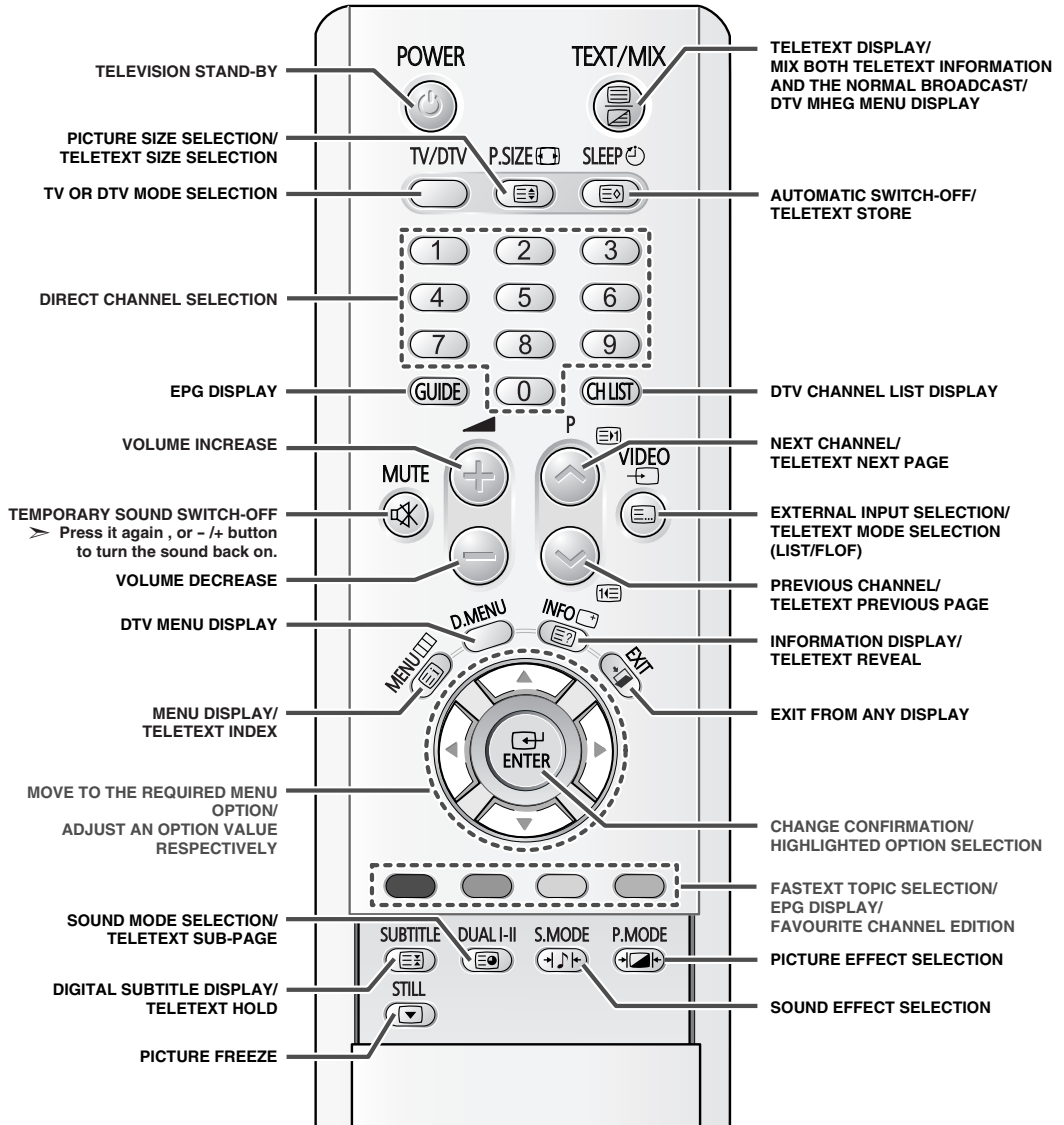


Becoming Familiar with the Remote Control

➤ Buttons and markings are subject to change.

The remote control is used mainly to:

- ◆ Change channels and adjust the various settings
- ◆ Use the EPG (Electronic Programme Guide)
- ◆ Set up the television using the on-screen menu system



➤ The performance of the remote control may be affected by bright light.

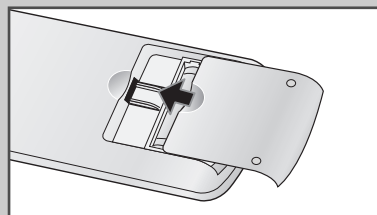
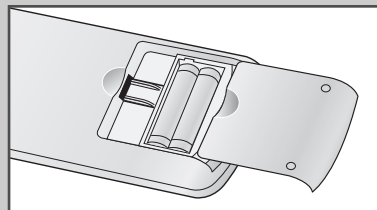
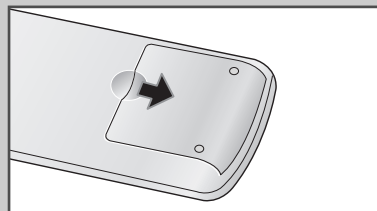
Inserting the Batteries in the Remote Control

ENG

You must insert or replace the batteries in the remote control when you:

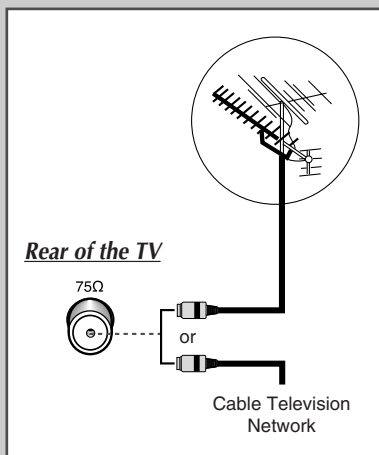
- ◆ Purchase the television
- ◆ Find that the remote control is no longer operating correctly

- 1 Remove the cover on the rear of the remote control by pressing the symbol downwards and then pulling firmly to remove it.
- 2 Insert two R03, UM4, "AAA" 1.5V or equivalent batteries taking care to respect the polarities:
 - ◆ - on the battery against - on the remote control
 - ◆ + on the battery against + on the remote control
- 3 Replace the cover by aligning it with the base of the remote control and pressing it back into place.



Connecting to an Aerial or Cable Television Network

ENG



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

- 1 In the first three cases, connect the aerial or network input cable to the 75Ω coaxial socket on the rear of the television.
- 2 If you are using an indoor aerial, you may need to turn it when tuning your television until you obtain a picture that is both sharp and clear.
For further details, refer to:
 - ◆ **(Digital TV)** "Updating the Channel List" on page 13
 - ◆ **(Analog TV)** "Storing Channels Automatically" on page 26
 - ◆ **(Analog TV)** "Storing Channels Manually" on page 28

Switching Your Television On and Off

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

- ☛ If you have purchased this television in the United Kingdom, refer to page 51 for further instructions on plug wiring.

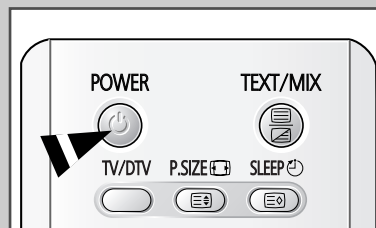
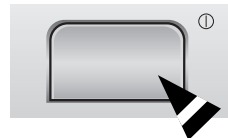
- 1 Plug the mains lead into an appropriate socket.
 - The main voltage is indicated on the rear of the television and the frequency is 50 or 60Hz.
- 2 Press the “⓪” (On/Off) button on the front of the television.

Result: The Standby indicator on the front of the television lights up.
- 3 Press the **POWER** (⏻) button on the remote control to switch the television on.

Result: The programme that you were watching last is re-selected automatically.

 - If you have not yet stored any channels, No clear picture appears. Refer to “Storing Channels Automatically” on page 26 or “Storing Channels Manually” on page 28.
- 4 To switch your television off, press the “⓪” (On/Off) button again.

Front of the TV



Placing Your Television in Standby Mode

Your television can be placed in Standby mode, in order to reduce:

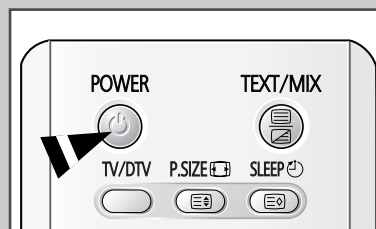
- ◆ *Power consumption*
- ◆ *Wear of the cathode ray tube*

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.

Result: The screen is turned off and the Standby indicator on the front of the television lights up in red.
- 2 To switch the television back on, simply press the **POWER** (⏻) button again.

- ☛ Do not leave your television in Standby mode for long periods of time (when you are away on holiday, for example). Turn your television off by pressing the “⓪” (On/Off) button on the front of the television. It is best to unplug the set from the mains and aerial.



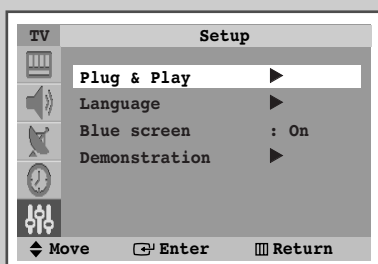
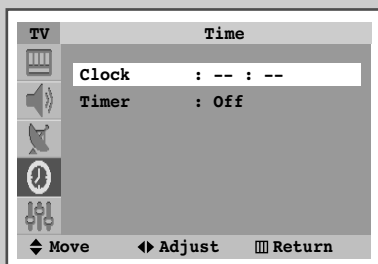
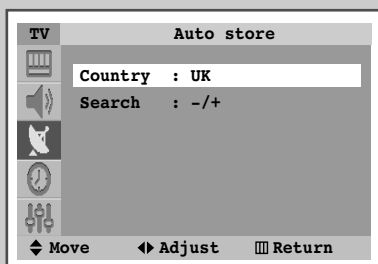
Plug & Play Feature

Plug & Play



Ant. Input Check

◀ Move ▶ Exit



When the television is initially powered on, three basic customer settings proceed automatically and subsequently: setting the language, channel and clock.

- 1 If the television is in Standby mode, press the **POWER** (⏻) button on the remote control.

Result: The message **Plug & Play** is displayed. It flickers for a little while and then **Language** menu is automatically displayed.

- 2 Select the appropriate language by pressing the **▲** or **▼** button. Press the **MENU** button to enter the language.

Result: The message **Ant. Input Check** is displayed.

➤ If any language is not selected on the **Language** menu, the **Language** menu will disappear about 30 seconds later.

- 3 Make sure that the antenna is connected to the TV. Press the **◀** or **▶** button.

Result: The **Auto store** menu is displayed with **Country** is selected.

- 4 Select your country by pressing the **◀** or **▶** button. To search the channels, select **Search** by pressing the **▲** or **▼** button, and then press the **◀** or **▶** button. Press the **MENU** button to stop the search.

Result: The **Time** menu is displayed with **Clock** is selected.

➤ Refer to "Storing Channels Automatically" on page 26.

- 5 Press the **◀** or **▶** button to move to the hour or minute. Set the hour or minute by pressing the **▲** or **▼** button.

➤ Refer to "Setting and Displaying the Current Time" on page 42.

- 6 When you have finished, press the **MENU** button.

Result: The menu is turned to **UPDATE CHANNEL LIST** in DTV mode automatically.

- 7 **If you want to reset this feature...**

➤ The **Setup** and **Channel** menus are available in Analog TV mode.

- 1 Press the **MENU** button.

- 2 Press the **▲** or **▼** button to select **Setup**, and then press the **ENTER** button.

Result: The **Plug & Play** is selected.

- 3 Press the **ENTER** button again.

Result: This feature starts with the message **Plug & Play** is displayed.

Viewing the Demonstration

ENG

To become familiar with the various menus provided by your television, you can view the inbuilt demonstration.

- 1 Press the **MENU** button.

Result: The main menu is displayed.

- 2 Press the **▲** or **▼** button to select **Setup**.

Result: The options available in the **Setup** group are displayed.

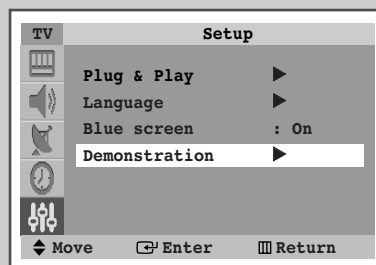
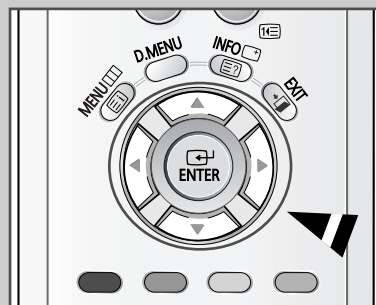
- 3 Press the **ENTER** button.

- 4 Press the **▲** or **▼** button to select **Demonstration**.

- 5 Press the **ENTER** button.

Result: Each of the menu options is displayed in turn.

➤ When you wish to exit from the demonstration, press the **EXIT** button on the remote control. If you press the **MENU** button, the demonstration is stopped immediately.



Choosing Your Language

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

- 1 Press the **MENU** button.

Result: The main menu is displayed.

- 2 Press the **▲** or **▼** button to select **Setup**.

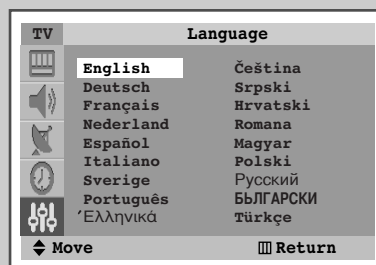
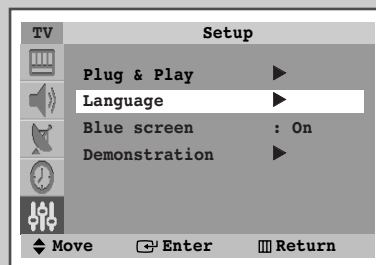
Result: The options available in the **Setup** group are displayed.

- 3 Press the **ENTER** button.

- 4 Press the **▲** or **▼** button to select **Language**. Press the **ENTER** button.

- 5 Select the appropriate language by pressing the **▲** or **▼** button repeatedly.

- 6 To exit displayed menu, press the **EXIT** button.

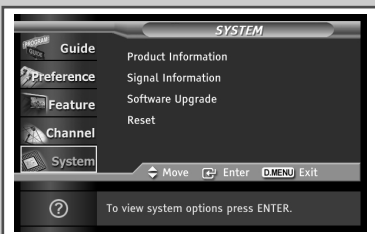
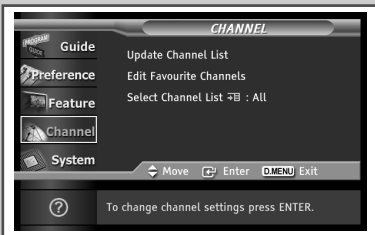
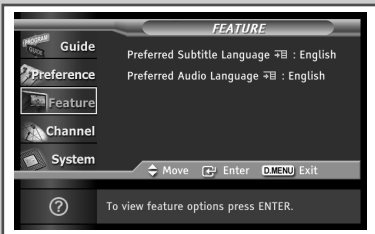
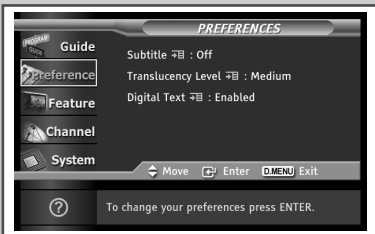
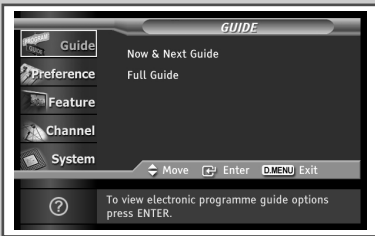


Previewing the DTV Menu System

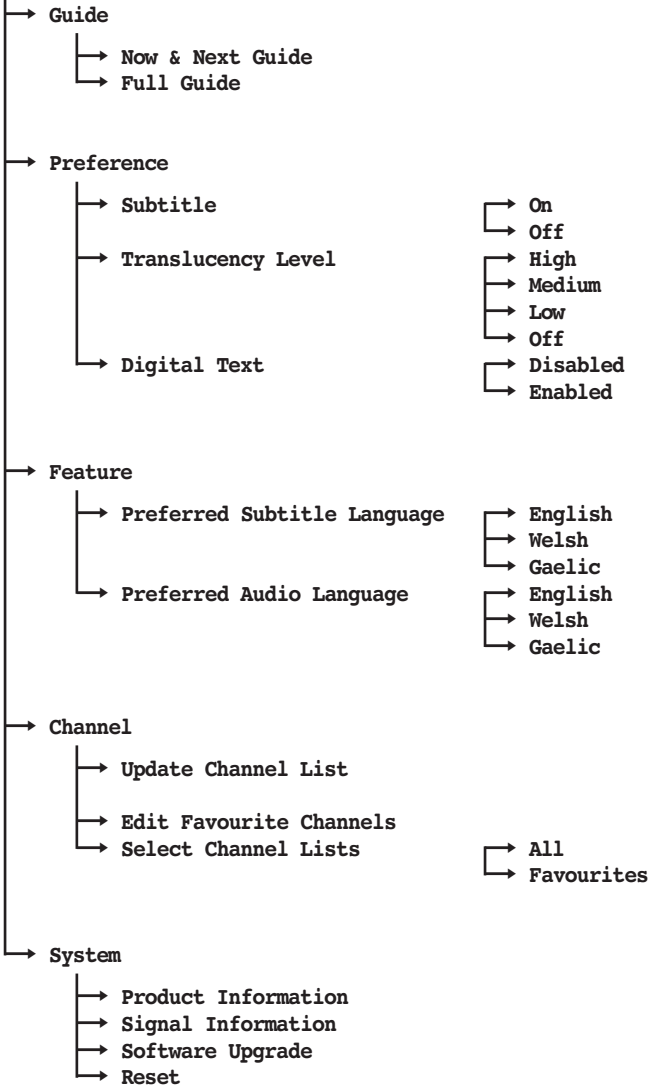
ENG

➤ Available in the Digital TV mode.

To help you navigate around the on-screen menu system and adjust the various settings available, refer to the following illustration.



Press the "D.MENU" button.



Updating the Channel List

ENG

You can update the channel list when the broadcaster adds new services or if you move the TV to a new location.

- 1 Press the **D.MENU** button.

Result: The DTV menu is displayed.

- 2 Press the **▲** or **▼** button to select **Channel**.

Result: The options available in the **Channel** group are displayed.

- 3 Press the **ENTER** button.

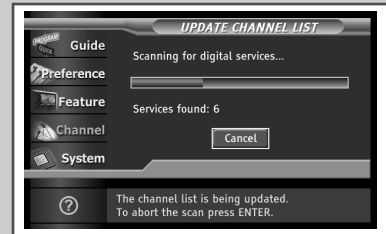
Result: The **Update Channel List** is selected.

- 4 Press the **ENTER** button again to start the search.

Result: When it has finished, the number of scanned services will be displayed.

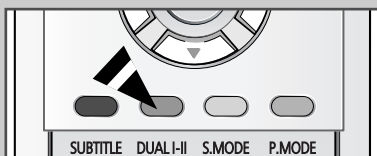
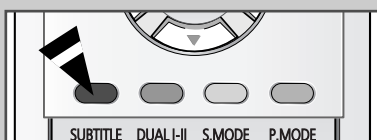
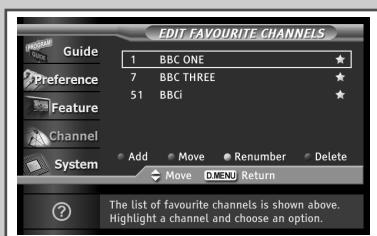
- ◆ The existing favourite channel list will not be deleted when the channel list is updated.
- ◆ To stop the scan before it has finished, press the **ENTER** button.

- If the signal status is poor, the **“No signal. Check the aerial connection”** message is displayed.



Editing Your Favourite Channels

ENG



You can edit your favourite channels using the four colour buttons.

- 1 Press the **D.MENU** button.
Result: The DTV menu is displayed.
- 2 Press the **▲** or **▼** button to select **Channel1**.
Result: The options available in the **Channel1** group are displayed.
- 3 Press the **ENTER** button.
- 4 Press the **▲** or **▼** button to select **Edit Favourite Channels**.
- 5 Press the **ENTER** button.
Result: The **EDIT FAVOURITE CHANNELS** menu is displayed.

◆ Add

- 1 Press the **Red** button in the **Edit Favourite Channels** menu.
Result: The **ADD FAVOURITES** menu is displayed.
 - 2 Press the **▲** or **▼** button to select the required channel.
 - 3 Press the **ENTER** button.
Result: A “★” icon is shown next to the selected channel and the channel will be added to the favourite channel list.
- ◆ To undo, press the **ENTER** button again.
- ◆ To add all channels to the favourite channel list, press the **Red** button.
- ◆ To remove all channels, press the **Green** button.

◆ Move

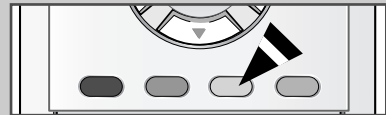
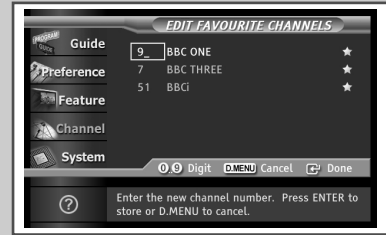
- 1 In the **Edit Favourite Channels** menu, select the required channel using the **▲** or **▼** button.
- 2 Press the **Green** button.
Result: A “◆” icon is displayed on the left side of the channel name.
- 3 Press the **▲** or **▼** button to select the channel that you want to move, and press the **Green** or **ENTER** button.
Result: The channel is moved to its new position.

Editing Your Favourite Channels (continued)

ENG

◆ Renumber

- 1 In the **Edit Favourite Channels** menu, select the channel to be assigned a new number by pressing the **▲** or **▼** button.
- 2 Press the **Yellow** button.
Result: The channel number is highlighted.
➤ You can revert to the previous channel number pressing the **Yellow** button again, or Cancel.
- 3 Enter the new number using the numeric buttons (0-9). Press the **ENTER** button to confirm.



◆ Delete

- 1 In the **Edit Favourite Channels** menu, select the channel to be deleted from the favourite channels list by pressing the **▲** or **▼** button.
- 2 Press the **Blue** button.
Result: The selected channel and number will be deleted.
➤ To add a deleted channel back in to the favourite channel list, see 'Add' on page 14.

Selecting Channel Lists

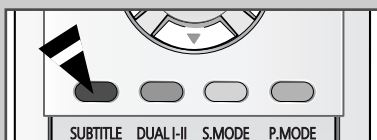
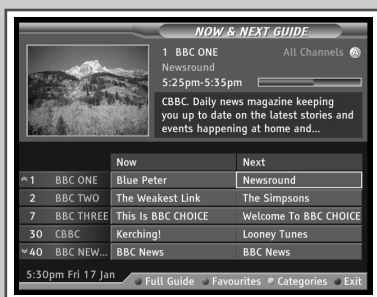
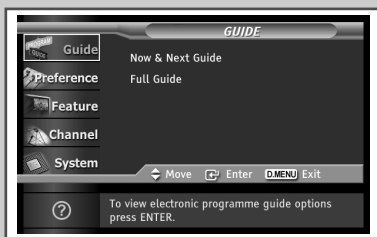
You can determine the channel list that is initially shown when the EPG (GUIDE button), channel list (CH LIST button) or service information (INFO button) is selected.

- 1 Press the **D.MENU** button.
Result: The DTV menu is displayed.
- 2 Press the **▲** or **▼** button to select **Channel1**.
Result: The options available in the **Channel1** group are displayed.
- 3 Press the **ENTER** button.
- 4 Press the **▲** or **▼** button to select (highlight) **Select Channel1 List**. Press the **ENTER** button.
- 5 Select **All** or **Favourites** using the **▲** or **▼** button, and press the **ENTER** button.
Result: The selected option is stored and the preset/default channel list in the EPG menu and channel list will be displayed.



Viewing EPG (Electronic Programme Guide) Information

ENG



You can display EPG information at any time while watching digital programmes.

- The **EPG (Electronic Programme Guide)** information is provided by the broadcasters. Programme entries may appear blank or out of date as result of the information broadcast on a given channel. The display will dynamically update as soon as new information becomes available.

◆ Now & Next Guide

For the five channels indicated in the left-hand column, displays the *Current* programme and the *Next* programme information.

◆ Full Guide

Displays the programme information as time ordered 30 minute segments. One and half hours of programme information is displayed which may be scrolled forwards or backwards in time.

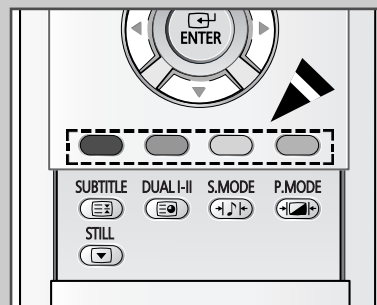
- 1 Press the **D.MENU** button.
Result: The options available in the **Guide** group are displayed.
- 2 Press the **ENTER** button.
- 3 Select the your required guide (**Now & Next Guide** or **Full Guide**) by pressing the **▲** or **▼** button.
- 4 Press the **ENTER** button.
Result: The selected guide menu is displayed.

- You can also display the guide menu simply by pressing the **GUIDE** button. Press the **Red** button to toggle between the **Now & Next Guide** and the **Full Guide**.

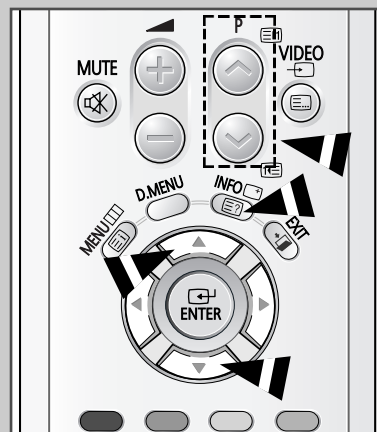
Viewing EPG (Electronic Programme Guide) Information (continued)

ENG

5 To	Then
Display the Now & Next Guide and the Full Guide	<ul style="list-style-type: none"> ◆ Press the Red button. ◆ Press the Red button again to toggle between the Now & Next Guide and the Full Guide. ◆ Select a programme of your choice by pressing the ▲, ▼, ◀, or ▶ button.
Display the Favourites and the All Channels list	<ul style="list-style-type: none"> ◆ Press the Green button. ◆ Press the Green button again to toggle between the Favourites and the All Channels list.
View Categories	◆ Press the Yellow button.
Exit the guide	◆ Press the Blue button.
Watch a programme in the EPG list	<ul style="list-style-type: none"> ◆ Select a programme by pressing the ▲ or ▼ button. ◆ Press the ENTER button.
View programme information	<ul style="list-style-type: none"> ◆ Select a programme of your choice by pressing the ▲ or ▼ button. ◆ Press the INFO button when the programme of your choice is highlighted.

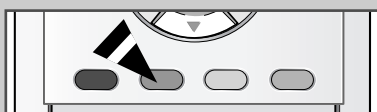
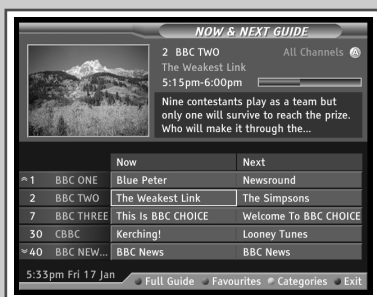
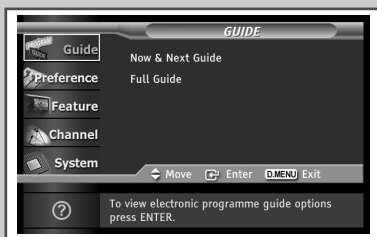


- ◆ Information such as the channel number, programme title and running time, status bar, and brief summary of the highlighted programme will be displayed in the top right corner of the screen. If there is a lengthy summary, "... " will be displayed. Press the **INFO** button for the full summary text.
- ◆ Five channels are displayed. To scroll between channels, move to a channel using the **▲** or **▼** button. To display page by page, use the **P▲** or **P▼** button.



Viewing All Channels and Favourite Channels

ENG



In the EPG menu, you can display all channels or favourite channels.

- 1 Press the **D.MENU** button.
Result: The options available in the **Guide** group are displayed.
- 2 Press the **ENTER** button.
- 3 Select the your required guide (**Now & Next Guide** or **Full Guide**) by pressing the **▲** or **▼** button.
- 4 Press the **ENTER** button.
Result: The selected guide menu is displayed.
- 5 Press the **Green** button.
Result: The “**⊕**” icon for all channels and the “**★**” icon for favourite channels is displayed in the top right corner of the screen.
➤ To toggle between the all and favourite channels list, press the **Green** button again.

- 6 Select a programme of your choice by pressing the **▲**, **▼**, **◀**, or **▶** button.
- 7 Press the **INFO** button to display information about the highlighted programme.
Result: Available programme information is displayed.

8 When the favourite channel list has not been set up:

- ◆ “**The favourites list is empty. Would you like to choose your favourites now?**” message is displayed.
- ◆ Select “**Yes**”.
Result: The **Edit Favourite Channels** menu is displayed. If you select “**No**”, all channels will remain unchanged.
- ◆ To edit the favourite channels, refer to page 14~15 for more details.

- ◆ **All Channels** is the list of channels that have been scanned by the channel list update. All channels are displayed in the all channel mode.
- ◆ **Favourites** (favourite channels) is the list of channels that has been set in the **Edit Favourite Channels** menu (refer to page 14~15).

Viewing Channel Lists

ENG

You can display a list of all channels or your favourite channels.

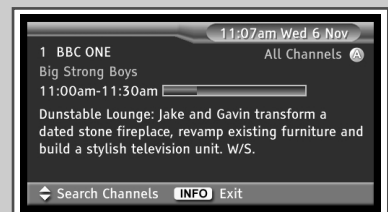
- 1 Press the **CH LIST** button.
Result: The channel list is displayed.
- 2 Move to the channel of your choice by pressing the **▲** or **▼** button.
- 3 To toggle between your favourite channels or all channels, use the **◀** or **▶** button.
➤ Your favourite channels are only displayed if they were previously set in the **Edit Favourite Channels** menu (refer to page 14~15).
- 4 To tune to the selected channel, press the **ENTER** button while the cursor is on the selected channel.
➤ The channel number, name and an icon are displayed in the top left corner while changing the channel. The channel number and name are displayed if the channel is one of the all channels, and a “★” icon if the channel is one of the favourite channels.
- 5 To exit from the channel list, press the **EXIT** button.



Displaying Programme Information

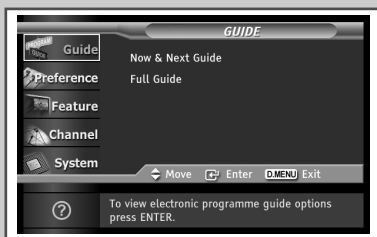
While viewing a channel, additional information about the current programme may be displayed.

- 1 While viewing a programme, press the **INFO** button.
Result: The programme information is displayed.
- 2 To display programme information about other channels, press the **▲** or **▼** button.
- 3 Press the **ENTER** button to switch over to the channel for which information is displayed.
➤ When **Favourites** is displayed in the top right corner, only those channels in the favourite list are displayed. When **All Channels** is displayed in the top right corner, all channels known may be displayed.
- 4 To exit from banner information, press the **EXIT** button.



Selecting Category Colours

ENG



You can change the colours for Categories.

- 1 Press the **D.MENU** button.
Result: The options available in the **Guide** group are displayed.
- 2 Press the **ENTER** button.
- 3 Select the your required guide (**Now & Next Guide** or **Full Guide**) by pressing the **▲** or **▼** button.
- 4 Press the **ENTER** button.
Result: The selected guide menu is displayed.
- 5 Press the **Yellow** button.
Result: A pop up screen that enables you to select category colours is displayed.
- 6 Select a category by pressing the **▲** or **▼** button.
- 7 Press the **ENTER** button.
Result: The selectable colours are displayed on the right side of the screen.
- 8 Select a colour by pressing the **▲** or **▼** button.
Result: The colour selected for a category is stored and the colours for the programme slots of the EPG will change to that selection.
- 9 Press the **ENTER** button to change the setting.

Using the Preferences

You can use various settings to suit your personal preferences.

- ◆ *Activating/deactivating the Subtitle*
- ◆ *Adjusting the Translucency Level*
- ◆ *Activating/deactivating the Digital Text*

1 Press the **D.MENU** button.

Result: The DTV menu is displayed.

2 Press the **▲** or **▼** button to select **Preference**.

Result: The options available in the **Preference** group are displayed.

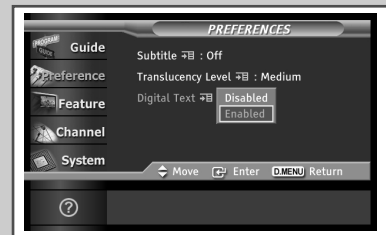
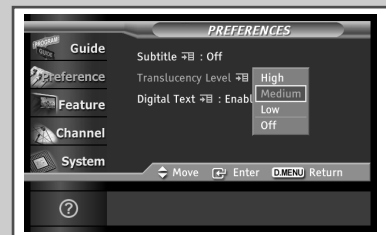
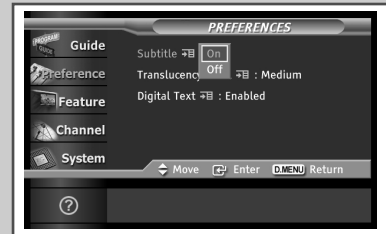
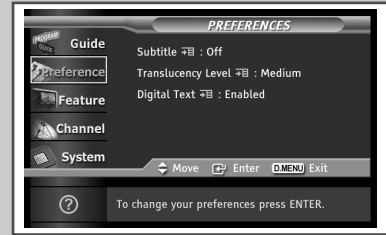
3 Press the **ENTER** button.

4 Select your required menu (**Subtitle**, **Translucency Level**, or **Digital Text**) by pressing the **▲** or **▼** button, and press the **ENTER** button.

Result: The options of the selected menu available are displayed.

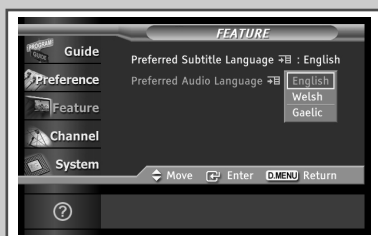
5 Select the required option by pressing the **▲** or **▼** button, and press the **ENTER** button to change the setting.

- ◆ **Subtitle** : On or Off
- ◆ **Translucency Level** : High, Medium, Low or Off
Controls the amount of the TV picture that is visible through the menu.
- ◆ **Digital Text** : Disabled or Enabled
If the programme is broadcast with digital text, this feature is enabled.



Selecting the Preferred Language (Subtitle or Audio)

ENG



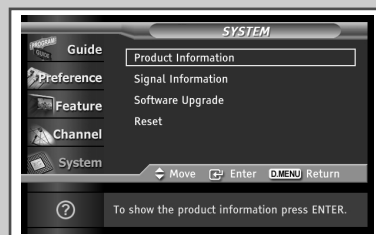
You can change the default value for subtitle and audio languages.

- 1 Press the **D.MENU** button.
Result: The DTV menu is displayed.
- 2 Press the **▲** or **▼** button to select **Feature**.
Result: The options available in the **Feature** group are displayed.
- 3 Press the **ENTER** button.
- 4 Select your required menu (**Preferred Subtitle Language** or **Preferred Audio Language**) by pressing the **▲** or **▼** button, and press the **ENTER** button.
Result: The options of the selected menu available are displayed.
- 5 Select the required option (**English, Welsh, or Gaelic**) by pressing the **▲** or **▼** button, and press the **ENTER** button to change the setting.
➤ **English** is the default in cases where the selected language is unavailable in the broadcast.

Viewing Product Information

You can view your product information. For service or repair please contact a Samsung approved dealer.

- Press the **D.MENU** button.
Result: The DTV menu is displayed.
- Press the **▲** or **▼** button to select **System**.
Result: The options available in the **System** group are displayed.
- Press the **ENTER** button.
Result: The **Product Information** menu is selected.
- Press the **ENTER** button again.
Result: The product information is displayed as below.
 - **Product Name**
 - **Software Version**
 - **Firmware Version**
 - **Hardware Version**

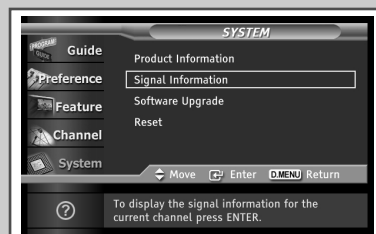


Checking the Signal Information

You can get information about the signal status.

- Press the **D.MENU** button.
Result: The DTV menu is displayed.
- Press the **▲** or **▼** button to select **System**.
Result: The options available in the **System** group are displayed.
- Press the **ENTER** button.
- Press the **▲** or **▼** button to select **Signal Information**, and press the **ENTER** button.
Result: The signal information is displayed.

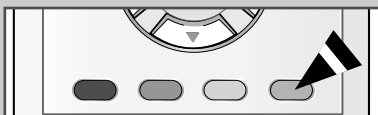
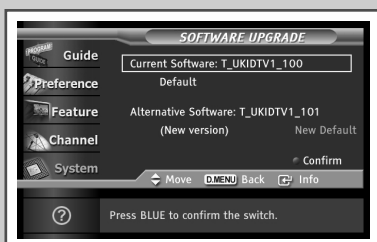
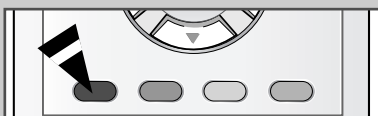
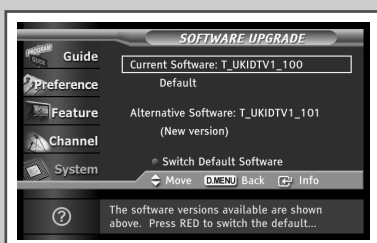
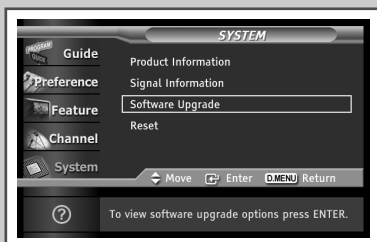
Signal Status	Percentage
Poor	0 ~ 40 %
Satisfactory	40 ~ 80 %
Good	80 ~ 100 %



➤ If the signal status is poor, the “**No signal. Check the aerial connection**” message is displayed.

Upgrading the Software (Option)

ENG



To keep your product up-to-date with new Digital Television features then software upgrades are periodically broadcast as part of the normal Television signal. It will automatically detect these signals and display the software upgrade banner. You are given the option to install the upgrade.

◆ Upgrade Now

If you select **Upgrade Now**, the iDTV immediately installs the new upgrade and then restarts.

◆ Upgrade Later

If you select **Upgrade Later**, the upgrade is postponed until the next restart or channel change some 90 minutes later, when the upgrade dialogue appears again.

◆ Don't Upgrade

If you select **Don't Upgrade**, the iDTV does not perform the upgrade and the software upgrade banner is not displayed again. The upgrade is still stored internally, to subsequently upgrade to the new version then the following sequence of steps are performed.

- 1 Press the **D.MENU** button.
Result: The DTV menu is displayed.
- 2 Press the **▲** or **▼** button to select **System**.
Result: The options available in the **System** group are displayed.
- 3 Press the **ENTER** button.
- 4 Press the **▲** or **▼** button to select **Software Upgrade**, and press the **ENTER** button.
Result: The software upgrade information is displayed.
- 5 To switch to an alternative version, press the **Red** button. Press the **Blue** button to reset, activate the upgrade and restart.

Resetting

You can reset the values stored to the factory default values.

- The Reset operation deletes all channel information and user preferences returning all values to their default factory state.

1 Press the **D.MENU** button.

Result: The DTV menu is displayed.

2 Press the ▲ or ▼ button to select **System**.

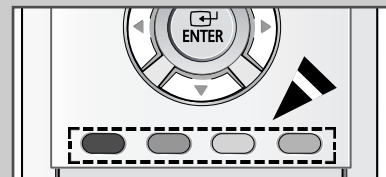
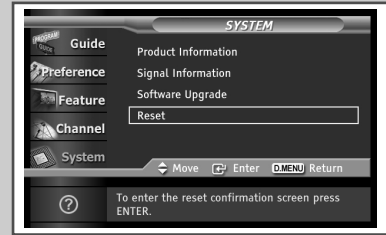
Result: The options available in the **System** group are displayed.

3 Press the **ENTER** button.

4 Press the ▲ or ▼ button to select **Reset**, and press the **ENTER** button.

Result: The warning message is displayed.

5 All values will be reset by pressing the coloured buttons (**Red, Green, Yellow and Blue**) in turn.

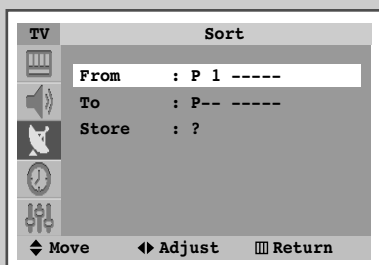
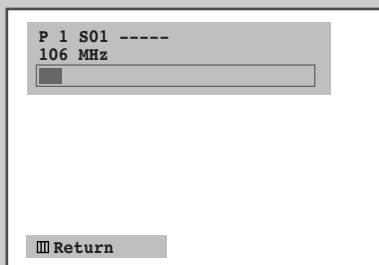
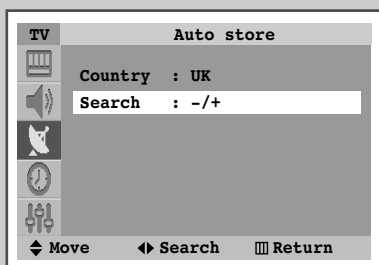
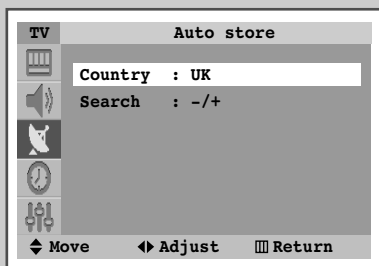
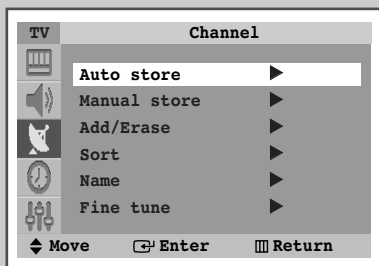


Storing Channels Automatically

ENG

➤ Available in Analog TV mode.

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.
Result: The main menu is displayed.
- 2 Press the **▲** or **▼** button to select **Channel**.
Result: The options available in the **Channel** group are displayed.
- 3 Press the **ENTER** button.
Result: The **Auto store** is selected.
- 4 Press the **ENTER** button again.
Result: The options available in the **Auto store** group are displayed with **Country** is selected.
- 5 Select your country by pressing the **◀** or **▶** button. The countries are displayed in the following order: **UK - East Europe - Others - Belgie - Deutschland - España - France - Italia - Nederland - Schweiz - Sverige**.
- 6 Press the **▲** or **▼** button to select **Search**.
- 7 Press the **◀** or **▶** button to start the search.
Result: The horizontal bar is displayed, and then channels are stored in an order which reflects their positions in the frequency range. Finally, the search will end automatically.
➤ To stop the search before it has finished, press the **MENU** button.
- 8 When searching and storing are complete, the **Sort** menu is displayed.
 - ◆ To sort the stored channels into the desired numerical order, go to Step 6 of the "Sorting the Stored Channels" procedure on page 27.
 - ◆ To exit from the channel store function without sorting the channels, press the **MENU** button repeatedly until the menus disappear.
- 9 When the channels have been stored, you can:
 - ◆ Sort them in the order required (refer to page 27)
 - ◆ Clear a channel (refer to page 30)
 - ◆ Assign a name to the stored channels (refer to page 31)
 - ◆ Fine tune channel reception if necessary (refer to page 32)
 - ◆ Activate the Digital Noise Reduction feature (refer to page 35)

Sorting the Stored Channels

This operation allows you to change the programme numbers of stored channels. This operation may be necessary after using auto store. You can delete the channels you do not want to keep.

- 1 Press the **MENU** button.

Result: The main menu is displayed.

- 2 Press the **▲** or **▼** button to select **Channel1**.

Result: The options available in the **Channel1** group are displayed.

- 3 Press the **ENTER** button.

- 4 Press the **▲** or **▼** button to select **Sort**.

- 5 Press the **ENTER** button.

Result: The options available in the **Sort** group are displayed with **From** is selected.

- 6 Select the channel number that you wish to change by pressing the **◀** or **▶** button repeatedly.

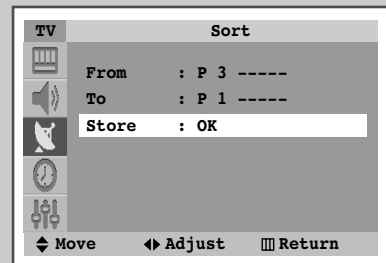
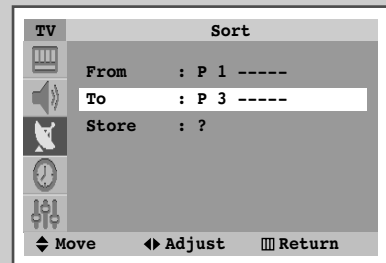
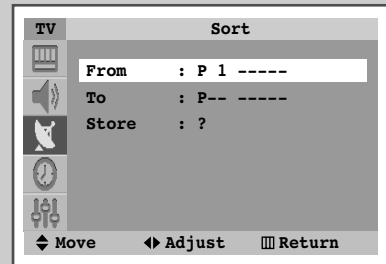
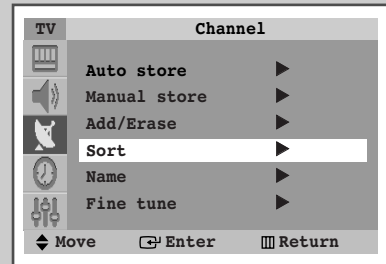
- 7 Press the **▲** or **▼** button to select **To**. Select the new channel number which you wish to identify by pressing the **◀** or **▶** button repeatedly.

➤ You can also select the channel number directly by pressing the numeric buttons (0~9).

- 8 Press the **▲** or **▼** button to select **Store**. Select **OK** to confirm the exchange of channel numbers by pressing the **◀** or **▶** button.

Result: The selected channel is exchanged with the one previously stored to the chosen number.

- 9 For all the channels to move to the required channel numbers, repeat steps **6** to **8** after selecting the **From** by pressing the **▲** or **▼** button.



Storing Channels Manually

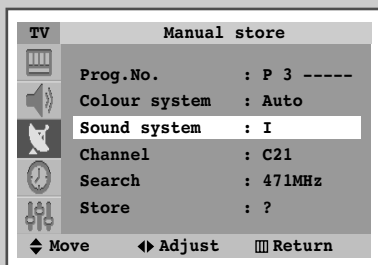
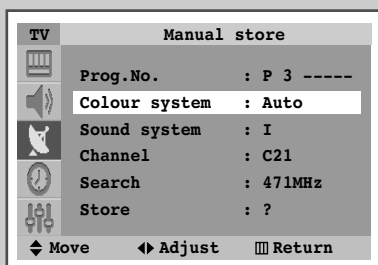
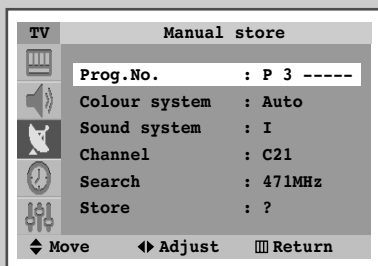
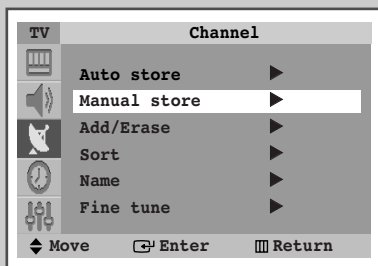
ENG

➤ Available in Analog TV mode.

You can store the television 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.
Result: The main menu is displayed.
- 2 Press the ▲ or ▼ button to select **Channel**.
Result: The options available in the **Channel** group are displayed.
- 3 Press the **ENTER** button.
- 4 Press the ▲ or ▼ button to select **Manual store**.
- 5 Press the **ENTER** button.
Result: The options available in the **Manual store** group are displayed with **Prog.No.** is selected.
- 6 To assign a programme number to a channel, press the ◀ or ▶ button.
- 7 Press the ▲ or ▼ button to select **Colour system**. Indicate the broadcasting standard required by pressing the ◀ or ▶ button repeatedly.
Result: The colour standards are displayed in the following order:
Auto - PAL - SECAM - NT4.43.
- 8 Press the ▲ or ▼ button to select **Sound system**. Select the sound standard required by pressing the ◀ or ▶ button repeatedly.
Result: The sound standards are displayed in the following order:
BG - DK - I - L.

- 9** If you know the number of the channel to be stored, see the following steps.
- ◆ Press the ▲ or ▼ button to select **Channel**.
 - ◆ Press the ◀ or ▶ button.
 - ◆ Press the ▲ or ▼ button to select **C** (Air channel) or **S** (Cable channel).
 - ◆ Press the ◀ or ▶ button.
 - ◆ Press the ▲ or ▼ button to select indicate the required number.
 - You can also select the channel number directly by pressing the numeric buttons (0~9).
 - If no sound or abnormal sound, re-select the sound standard required.

- 10** If you do not know the channel numbers, select **Search** by pressing the ▲ or ▼ button. Press the ◀ or ▶ button to start the search.

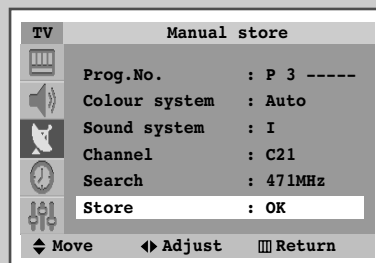
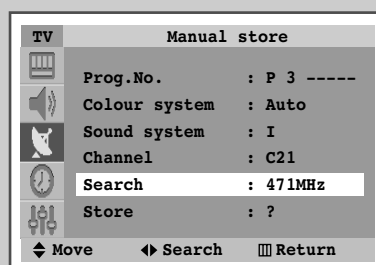
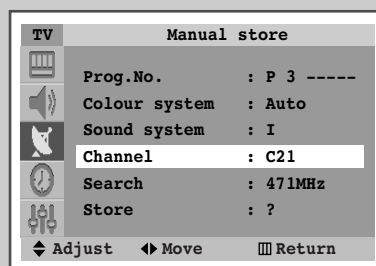
Result: The tuner scans the frequency range until the first channel or the channel that you selected is received on your screen.

- 11** To store the channel and associated programme number, select **Store** by pressing the ▲ or ▼ button. Press the ◀ or ▶ button to select **OK**.

- 12** Repeat Steps 9 to 11 for each channel to be stored.

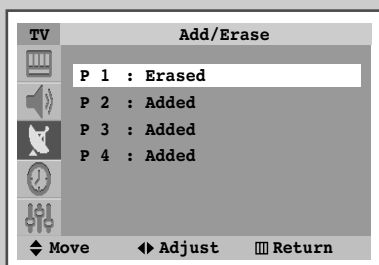
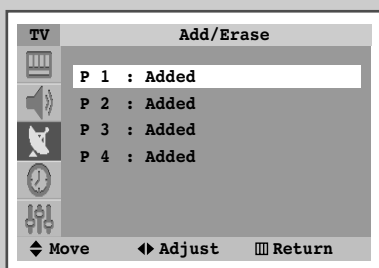
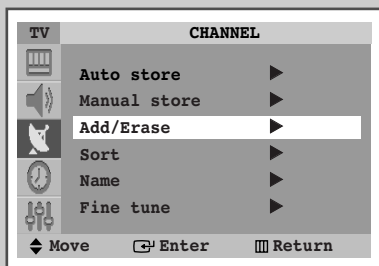
Channel mode

- ◆ **P** (Programme mode): When completing tuning, the broadcasting stations in your area have been assigned to position numbers from P0 to max P99. You can select a channel by entering the position number in this mode.
- ◆ **C** (Real channel mode): You can select a channel by entering the assigned number to each air broadcasting station in this mode.
- ◆ **S** (Cable channel mode): You can select a channel by entering the assigned number for each cable channel in this mode.



Skipping Unwanted Channels

ENG



➤ Available in Analog TV mode.

You can exclude the channels you chosen from the channels you scanned. When you scan through the stored channels, those you have chosen to skip are not displayed.

All of the channels that you do not specifically choose to skip are displayed during scanning.

- 1 Press the **MENU** button.
Result: The main menu is displayed.
- 2 Press the **▲** or **▼** button to select **Channel1**.
Result: The options available in the **Channel1** group are displayed.
- 3 Press the **ENTER** button.
- 4 Press the **▲** or **▼** button to select **Add/Erase**.
- 5 Press the **ENTER** button.
Result: The stored channels are displayed.
- 6 Press the **▲** or **▼** button to select the channel to add or erase. If necessary, select **Added** or **Erased** by pressing the **◀** or **▶** button.
- 7 Repeat Step 6 for each channel to be added or erased.

Assigning Names to Channels

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.

Result: The main menu is displayed.

- 2 Press the **▲** or **▼** button to select **Channel1**.

Result: The options available in the **Channel1** group are displayed.

- 3 Press the **ENTER** button.

- 4 Press the **▲** or **▼** button to select **Name**.

- 5 Press the **ENTER** button.

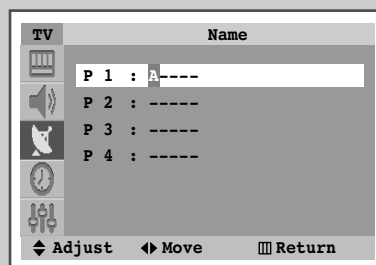
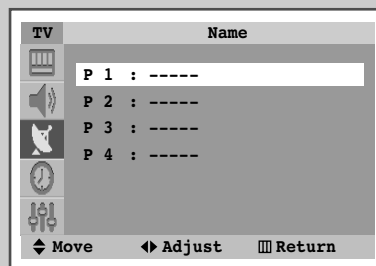
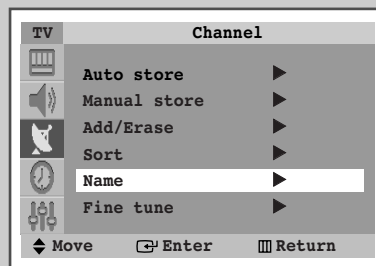
Result: The current channels are displayed.

- 6 If necessary, select the channel to be assigned to a new name by pressing the **▲** or **▼** button.

- 7 Press the **◀** or **▶** button.

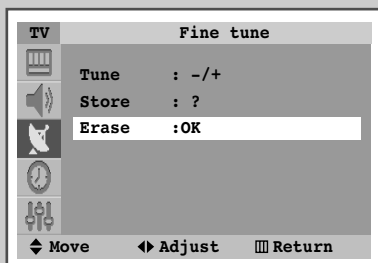
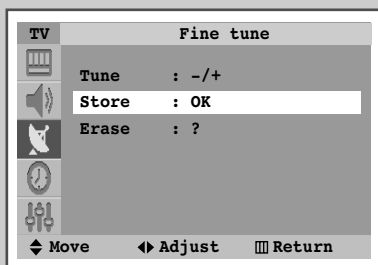
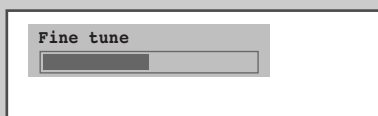
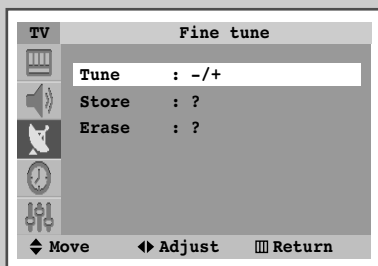
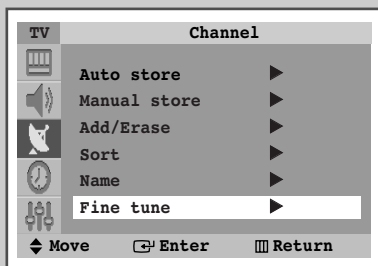
- 8 Press the **▲** or **▼** button to select a letter (A~Z), a number (0~9) or a symbol (-, space). Move on the previous or next letter by pressing the **◀** or **▶** button.

- 9 Repeat Steps 6 to 8 for each channel to be assigned to a new name.



Fine Tuning Channel Reception

ENG



➤ Available in Analog TV mode.

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

- 1 Press the **MENU** button.
Result: The main menu is displayed.
- 2 Press the **▲** or **▼** button to select **Channel**.
Result: The options available in the **Channel** group are displayed.
- 3 Press the **ENTER** button.
- 4 Press the **▲** or **▼** button to select **Fine tune**.
- 5 Press the **ENTER** button.
Result: The options available in the **Fine tune** group are displayed with **Tune** is selected.
- 6 To obtain a sharp and clear picture and good sound quality, press the **◀** or **▶** button.
Result: The horizontal bar is displayed. Move the horizontal bar's cursor left or right by pressing the **◀** or **▶** button.
- 7 To memorise adjusted picture or sound, select **Store** by pressing the **▲** or **▼** button. Press the **◀** or **▶** button.
Result: **OK** is displayed.
- 8 To erase adjusted picture or sound, select **Erase** by pressing the **▲** or **▼** button. Press the **◀** or **▶** button.
Result: **OK** is displayed.

Changing the Picture Standard

ENG

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

1 Press the **MENU** button.

Result: The options available in the **Picture** group are displayed.

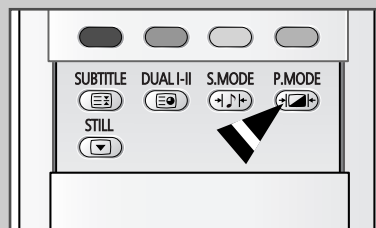
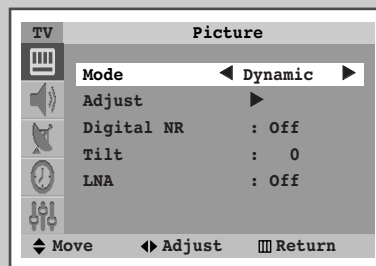
2 Press the **ENTER** button.

Result: The **Mode** is selected.

3 Select the required picture effect by pressing the ◀ or ▶ button repeatedly.

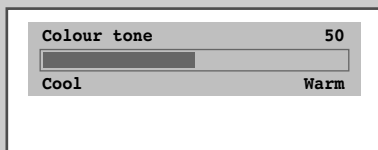
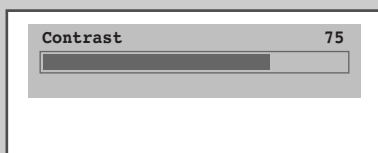
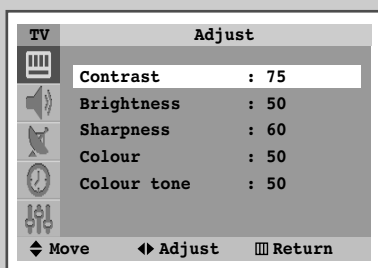
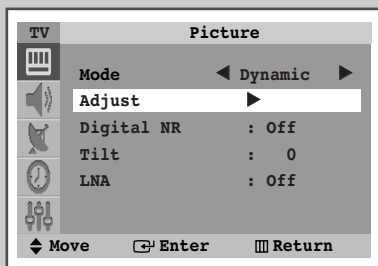
Result: The following picture effects are available:
Dynamic – Standard – Movie – Custom.

➤ You can also set these options simply by pressing the **P.MODE** (Picture Mode) button.



Adjusting the Picture Settings

ENG



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

- 1 Press the **MENU** button.
Result: The options available in the **Picture** group are displayed.
- 2 Press the **ENTER** button.
- 3 Press the **▲** or **▼** button to select **Adjust**.
- 4 Press the **ENTER** button.
Result: The options available in the **Adjust** group are displayed.
- 5 Press the **▲** or **▼** button to select the option (**Contrast**, **Brightness**, **Sharpness**, **Colour**, **Colour tone** or **Tint-NTSC** only) to be adjusted. Press the **◀** or **▶** button.
Result: The horizontal bar is displayed. Move the horizontal bar's cursor left or right by pressing the **◀** or **▶** button.

-
- ◆ If you make any changes to these settings, the picture standard is automatically switched to **Custom**.
 - ◆ The television has an “automatic degaussing” system that is activated if magnetic interference is present. To degauss the television screen, switch power off by pressing the “**⓪**” (On/Off) button on the front panel. (Refer to “Automatic Degaussing to Remove Colour Patches” on page 50.)

Extra Picture Settings

◆ **Digital NR**

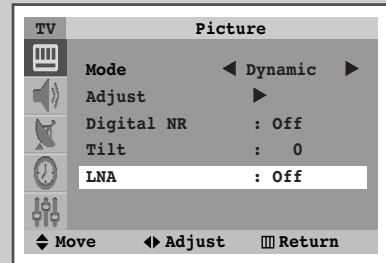
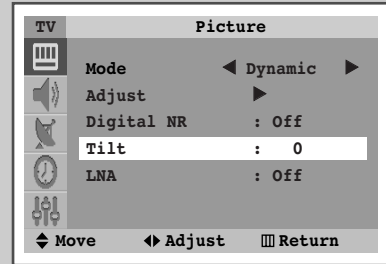
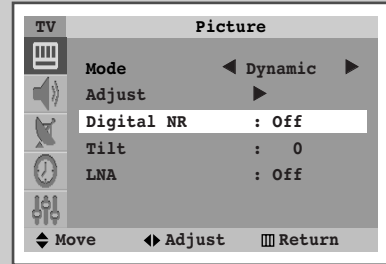
If the signal received by your television is weak, you can activate this feature to reduce any static and ghosting that may appear on the screen.

◆ **Tilt**

If you find that the picture received is slightly tilted to one side, you can adjust the tilt setting.

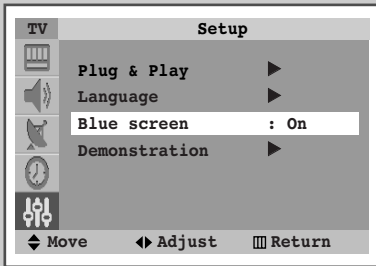
◆ **LNA (Low Noise Amplifier)**

This function is very useful in the situation that the TV is used in weak signal. LNA amplifies the TV signal in the weak signal area, but not noise. This feature is working only weak signal condition, and that is memorized on current channel, additional.



- 1 Press the **MENU** button.
Result: The options available in the **Picture** group are displayed.
- 2 Press the **ENTER** button.
- 3 Select the required option (**Digital NR**, **Tilt** or **LNA**) by pressing the **▲** or **▼** button.
- 4 Press the **◀** or **▶** button to change the setting.
 - ◆ **Digital NR** : Off or On (activating)
 - ◆ **Tilt** : -7 or +7
 - ◆ **LNA** : Off or On (activating)

Setting the Blue Screen

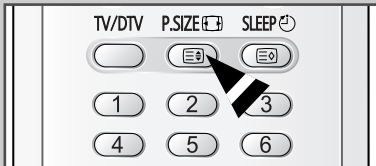


If no signal is being received or the signal is very weak, a blue screen automatically replaces the noisy picture background.

If you wish to continue viewing the poor picture, you must set the "Blue screen" mode to "Off".

- 1 Press the **MENU** button.
Result: The main menu is displayed.
- 2 Press the **▲** or **▼** button to select **Setup**.
Result: The options available in the **Setup** group are displayed.
- 3 Press the **ENTER** button.
- 4 Press the **▲** or **▼** button to select **Blue screen**.
- 5 To activate this feature, select **On** by pressing the **◀** or **▶** button.

Selecting the Picture Size



You can select the picture size which best corresponds to your viewing requirements simply by pressing the "P.SIZE" button. The following picture sizes are available:

- ◆ **TV/AV Mode**
Auto Wide, 16:9, Panorama, Zoom1, Zoom2, 4:3
➤ The **4:3** mode results in gray border area along the sides.
- ◆ **DTV Mode**
Auto Wide, 16:9, Panorama, 14:9, Zoom, 4:3
➤ The **14:9** and **4:3** modes result in black border area along the sides.

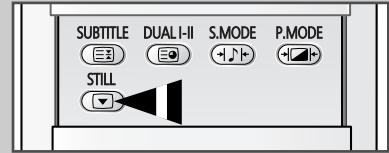
☞ The **4:3** or **Panorama** mode can be displayed on the screen differently in the DTV and TV/AV modes.

Freezing the Current Picture

ENG

You can freeze the picture when watching a television programme simply by pressing the "STILL" button.

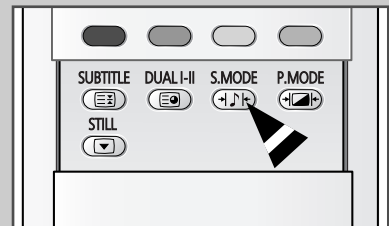
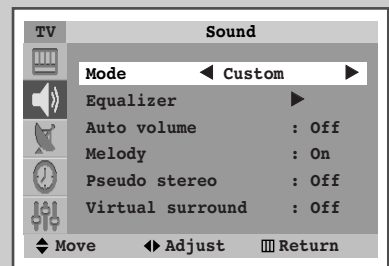
- To return to normal viewing, press this button again.



Changing the Sound Standard

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

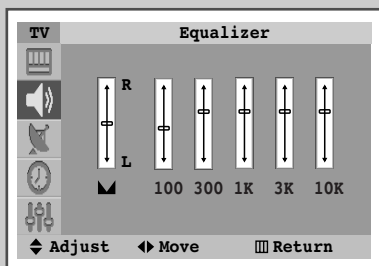
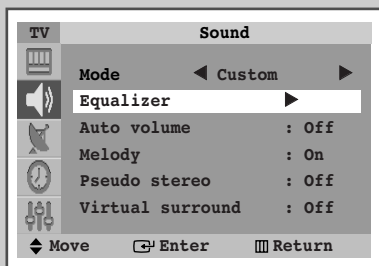
- 1 Press the **MENU** button.
Result: The main menu is displayed.
- 2 Press the **▲** or **▼** button to select **Sound**.
Result: The options available in the **Sound** group are displayed.
- 3 Press the **ENTER** button.
Result: The **Mode** is selected.
- 4 Select the required sound effect by pressing the **◀** or **▶** button repeatedly.
Result: The following sound effects are available:
Custom - Standard. - Music - Movie - Speech(SVE)
◆ **SVE** : SAMSUNG Voice Enhancement Technic



- You can also set these options simply by pressing the **S.MODE** (Sound Mode) button.

Adjusting the Sound Settings

ENG



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

- 1 Press the **MENU** button.
Result: The main menu is displayed.
- 2 Press the **▲** or **▼** button to select **Sound**.
Result: The options available in the **Sound**. group are displayed.
- 3 Press the **ENTER** button.
- 4 Press the **▲** or **▼** button to select **Equalizer**.
- 5 Press the **ENTER** button.
Result: The options available in the **Equalizer** group are displayed.
- 6 Select the option to be adjusted by pressing the **◀** or **▶** button. Press the **▲** or **▼** button to reach the required setting.

➤ If you make any changes to these settings, the sound standard is automatically switched to **Custom**.

Extra Sound Settings

◆ *Auto volume*

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 lets you 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.

◆ *Melody*

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

◆ *Pseudo stereo / Virtual surround*

Pseudo stereo feature converts a monaural sound signal into two identical left and right channels.

Once the **Pseudo stereo** or **Virtual surround** is set to **On** or **Off**, these settings apply to the sound effects such as **Standard**, **Music**, **Movie**, and **Speech(SVE)**.

- 1 Press the **MENU** button.

Result: The main menu is displayed.

- 2 Press the **▲** or **▼** button to select **Sound**.

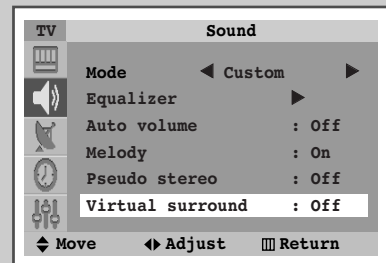
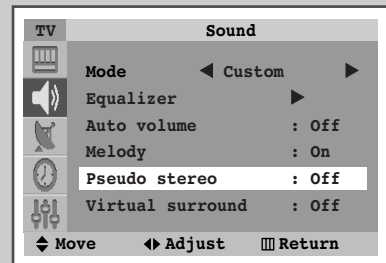
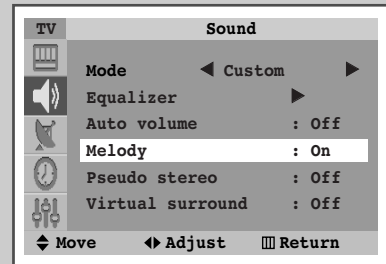
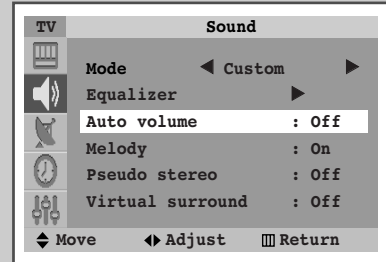
Result: The options available in the **Sound** group are displayed.

- 3 Press the **ENTER** button.

- 4 Select the required option (**Auto volume**, **Melody**, **Pseudo stereo** or **Virtual surround**) by pressing the **▲** or **▼** button.

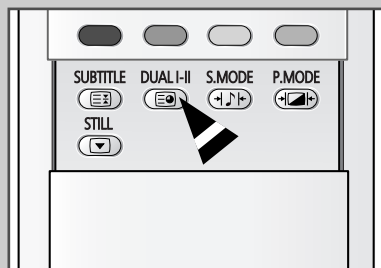
- 5 To activate each feature, select **On** by pressing the **◀** or **▶** button.

➤ Manufactured under license from Dolby Laboratories. "Dolby" and the double-D symbol (DD) are trademarks of Dolby Laboratories.



Selecting the Sound Mode (depending on the model)

ENG



The "DUAL I-II" button displays/controls the processing and output of the audio signal. When power is switched on, the mode is automatically preset to either "Dual-I" or "Stereo", depending on the current transmission.

	Type of broadcast	On-screen indication
NICAM Stereo	Regular broadcast (Standard audio)	Mono (Normal use)
	Regular + NICAM Mono	Mono ↔ Mono NICAM (Normal)
	NICAM Stereo	Stereo ↔ Mono NICAM (Normal)
	NICAM Dual-I/II	Dual-I → Dual-II → Mono NICAM NICAM (Normal) ↑—————↑
A2 Stereo	Regular broadcast (Standard audio)	Mono (Normal use)
	Bilingual or Dual-I/II	DUAL-I ↔ DUAL-II
	Stereo	Stereo ↔ Mono (Forced mono)

- ◆ If the receiving conditions deteriorate, listening will be easier if the mode is set to the **Mono**.
- ◆ If the stereo signal is weak and an automatic switching occurs, then switch to the **Mono**.
- ◆ When receiving a mono sound in the AV mode, connect to the "AUDIO-L" input connector on the panel (front or side). If the mono sound comes out only from left speaker, press the **DUAL I-II** button.

Setting the Sleep Timer

You can select a time period of between 30 and 180 minutes after the television automatically switches to Standby mode by pressing the "SLEEP" button.

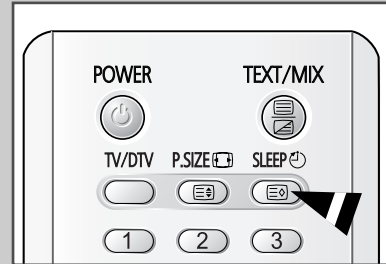
- 1 Press the **SLEEP** button on the remote control.

Result: If the sleep timer is not yet set, **off** is displayed.
If the sleep timer is already set, the screen displays the remaining time and then before the television will be placed in standby mode.

- 2 Press the **SLEEP** button repeatedly and cycle through the preset time intervals (30, 60, 90, 120, 150, 180).

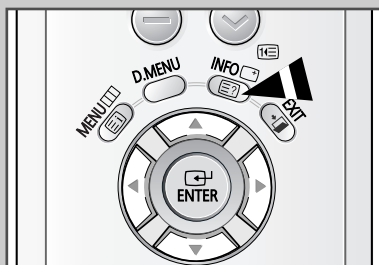
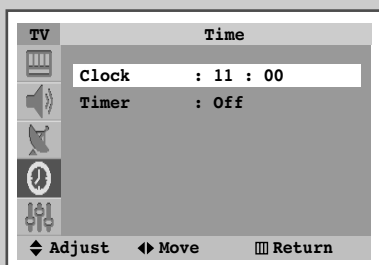
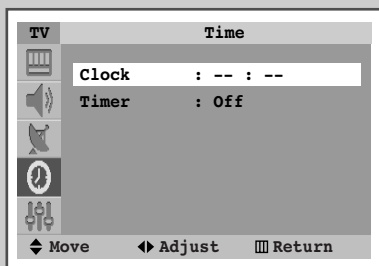
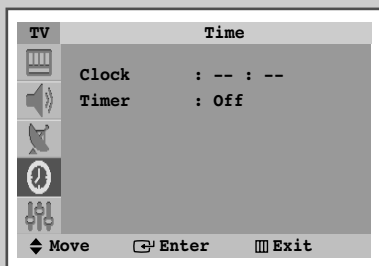
Result: The television automatically switches to standby mode when the timer reaches 0.

- 3 To cancel the sleep timer feature, press the **SLEEP** button repeatedly and select **off**.



Setting and Displaying the Current Time

ENG



You can set the television's clock so that the current time is displayed by pressing the "INFO" button. You must also set the time if you wish to use the automatic on or off timers.

➤ When pressing the "Ⓞ" (On/Off) button on the front of the television, the clock setting will be reset.

- 1 Press the **MENU** button.
Result: The main menu is displayed.
- 2 Press the **▲** or **▼** button to select **Time**.
Result: The options available in the **Time** group are displayed.
- 3 Press the **ENTER** button.
Result: The **Clock** is selected.
- 4 Press the **◀** or **▶** button to move to the hour or minute. Set the hour or minute by pressing the **▲** or **▼** button.
- 5 When you have finished, press the **EXIT** button to exit.
- 6

To...	Press the "INFO" button...
display the channel information	Once.
display the current time	Twice.
remove the display	Three times.

➤ Not available in DTV Mode.

Switching the Television On and Off Automatically

You can set the On/Off timers so that the television will:

- ◆ Switch on automatically and tune to the channel of your choice at the time you select
- ◆ Switch off automatically at the time you select

➤ The first step is to set the television's clock (refer to "Setting and Displaying the Current Time" on the previous page). If you have not yet set the clock, the message **Set the clock first** is displayed.

1 Press the **MENU** button.

Result: The main menu is displayed.

2 Press the **▲** or **▼** button to select **Time**.

Result: The options available in the **Time** group are displayed.

3 Press the **ENTER** button.

4 Press the **▲** or **▼** button to select **Timer**.

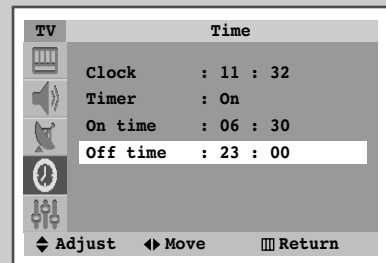
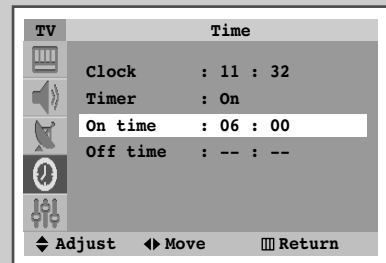
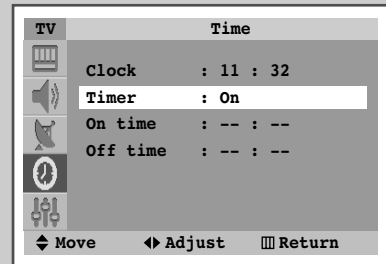
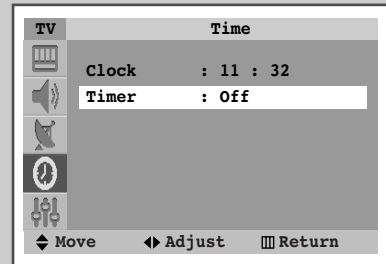
5 Press the **◀** or **▶** button to set **On**

Result: The **On time** and **Off time** are displayed.

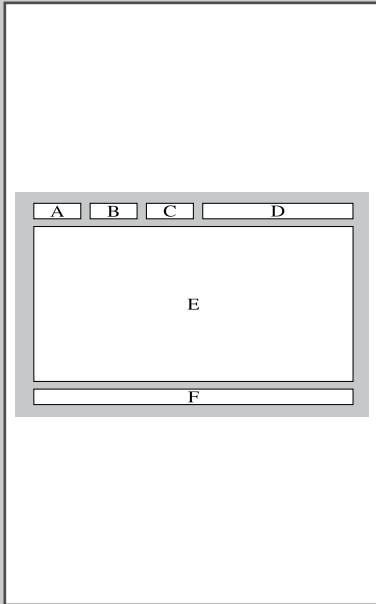
6 Press the **▲** or **▼** button to select **On time**. Set the time at which you wish the television to be switched on automatically.

- ◆ Press the **◀** or **▶** button to move to the hour or minute. Set these by pressing the **▲** or **▼** button.

7 Press the **▲** or **▼** button to select **Off time**. In the same above, set the time at which you wish the television to be switched off automatically.



Teletext Feature



Most television channels provide written information services via teletext. Information provided includes:

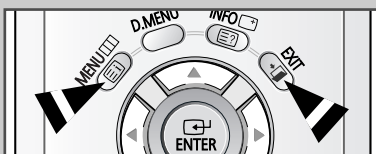
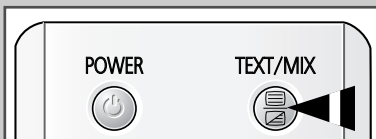
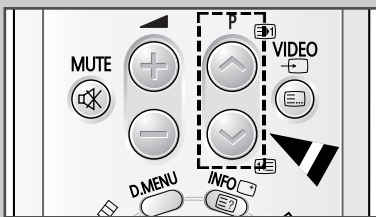
- ◆ Television programme times
- ◆ News bulletins and weather forecasts
- ◆ Sports results
- ◆ Travel information

This information is divided into numbered pages (see diagram).

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

- It can be different from depending on TTX source.
- Teletext information is often divided between several pages displayed in sequence, which can be accessed by:
 - ◆ Entering the page number
 - ◆ Selecting a title in a list
 - ◆ Selecting a coloured heading (FASTEXT system)

Displaying the Teletext Information



You can display Teletext information at any time on your television.

- ☞ For Teletext information to be displayed correctly, channel reception must be stable; otherwise:
 - ◆ Information may be missing
 - ◆ Some pages may not be displayed

- 1 Select the channel providing the Teletext service using the P or P button.
- 2 Press the **TEXT/MIX** button to activate the teletext mode.
Result: The contents page is displayed. It can be redisplayed at any time by pressing the (index) button.
- 3 If you wish to display the actual broadcast at the same time as the teletext page, press the **TEXT/MIX** button again.
- 4 Press the **TV** or **EXIT** button to exit from the teletext display.



Selecting a Page by Number

ENG







You can enter the page number directly by pressing the numeric buttons on the remote control.

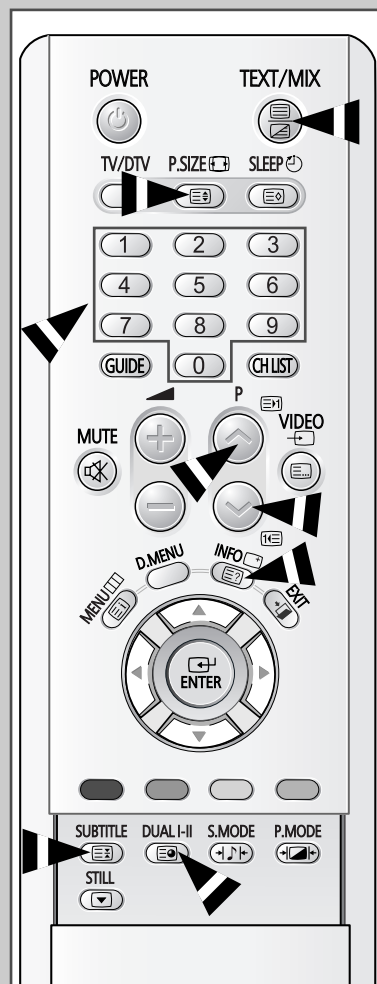
- 1 Enter the three-digit page number given in the content by pressing the corresponding numeric buttons.

Result: The current page counter is incremented and the page is then displayed.

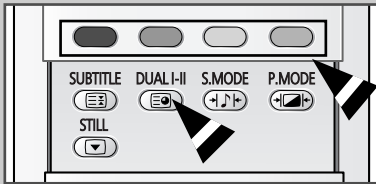
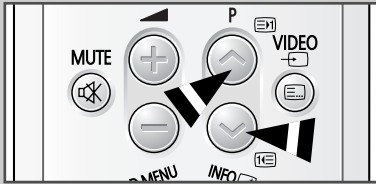
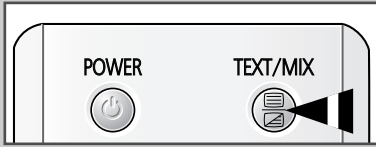
- 2 If the selected page is linked with several secondary pages, the secondary pages are displayed in sequence. To freeze the display on a given page, press the  (hold). Press the  (hold) again to resume.

Using the various display options:


To display...	Press the...
◆ Both teletext information and the normal broadcast	TEXT/MIX twice
◆ Hidden text (answers to quiz games, for example)	 (reveal)
◆ The normal screen	 (reveal) again
◆ A secondary page, by entering its 4-digit number	 (sub-page)
◆ The next page	 (page up)
◆ The previous page	 (page down)
◆ Double-size letters in the: <ul style="list-style-type: none"> • Upper half of the screen • Lower half of the screen 	 (size) <ul style="list-style-type: none"> • Once • Twice
◆ Normal screen	• Three times



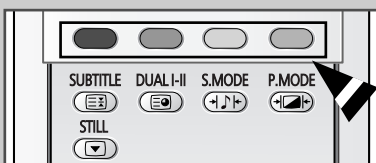
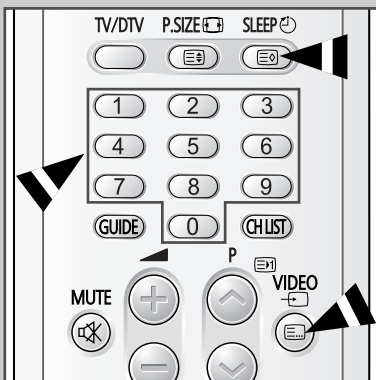
Using FLOF to Select a Page






The various topics included in the teletext pages are color-coded, and can be selected by pressing the colored 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 given on the status line.
Result: The page is displayed with other coloured information that can be selected in the same way.
- 3 To display the previous or next page, press the corresponding coloured button.
- 4 To display the subpage, see the following steps.
 - ◆ Press the  (sub-page) button.
Result: The available subpages appear.
 - ◆ Select the required sub-page. Sub-pages can be scrolled by using the **Red** or **Green** button.


Storing Teletext Pages



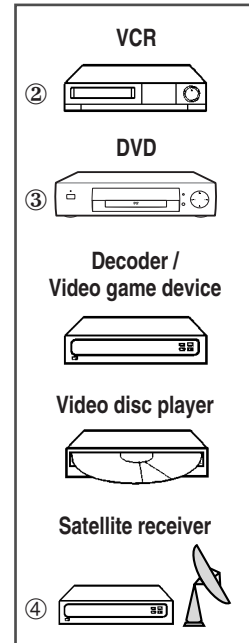
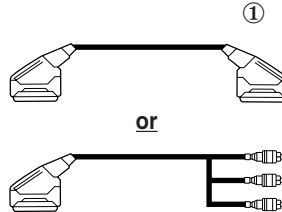
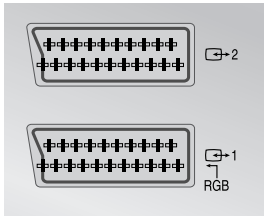
You can store up to four teletext pages to display them later at leisure.









- 1 Select the LIST mode using the  button.
Result: Four 3-digit numbers are displayed in different colours.
➤ The  button is used to switch between the LIST and FLOF modes.
- 2 Press the coloured button corresponding to the page that will be replaced.
- 3 Enter the new page number using the numeric buttons.
- 4 Repeat steps 2 and 3 for each page to be stored, using a different coloured button each time.
- 5 Press the  (store) button until the corresponding blocks blink.

Connecting to the External Input/Outputs

- “1” is used for the equipment with an RGB output, such as video game devices or video disc players.

Rear of the TV

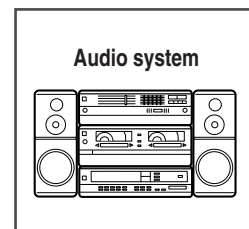
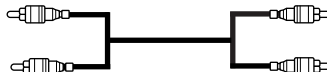


- ① This end can be fitted with:
 - ◆ A SCART connector
 - ◆ Three RCA connectors (Video + Audio-L and R)
- ② If you have a second VCR and wish to copy cassettes tape, connect the source VCR to “1” and the target VCR to “2” so that you can redirect the signal from “1” to “2”.
- ③ If you have a decoder, connect the decoder to the VCR and the VCR to the television.
- ④ When you wish to record a programme, connect the receiver to “1” and the VCR to “2” so that you can redirect the signal from “1” to “2”.

Connecting to the Audio Output

- The “**MONITOR AUDIO OUT**” (RCA) connectors are used for equipment, such as an audio system (to take full advantage of the Surround sound effect).

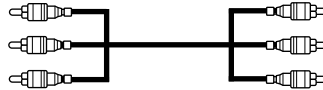
Rear of the TV



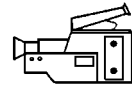
Connecting to the RCA Input

- The RCA (VIDEO and AUDIO-L+R) connectors are used for equipment, such as camcorders, video disc players, and some video game devices.

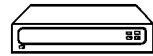
Side of the TV



Camcorder



Video game device



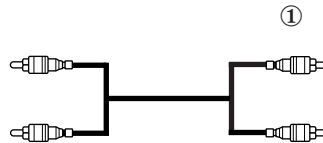
Video disc player



Connecting to the S-Video Input

- The S-VIDEO and RCA (AUDIO-L+R) connectors are used for equipment with an S-Video output, such as a camcorder or VCR.

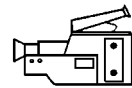
Side of the TV



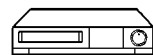
and



Camcorder



VCR



- ① To play pictures and sound, both the S-VIDEO and RCA connectors must be used.

- When both the side AV and rear connectors are connected to external equipments, the side AV receives priority.

- ☞ Whenever you connect an audio or video system to your television, ensure that all elements are switched off. Refer to the documentation supplied with your equipment for detailed connection instructions and associated safety precautions.

Connecting Headphones

ENG

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

- 1 Plug a set of headphones into the 3.5 mm mini-jack socket of the television.

Result: The sound is heard through the headphones.

- 2 When you wish to hear the sound through the speakers again, simply disconnect the headphones.

➤ Prolonged use of headphones at a high volume may damage your hearing.

Side of the TV



Viewing Pictures From External Sources

Once you have connected up your various audio and video systems, you can view different sources by selecting the appropriate input.

- 1 Check that all the necessary connections have been made.
- 2 Switch your television on, then press the **VIDEO** button repeatedly.

Result: The input sources are displayed in the following order:

AV1 – AV2 – S-Video.

➤ Depending on the source selected, the pictures may appear automatically.

➤ To watch television programmes again, press the **TV/DTV** button and select the number of the channel required.



Automatic Degaussing to Remove Colour Patches

A degaussing coil is mounted around the picture tube, so you do not normally need to degauss the television manually.

If you move the television to a different position and color patches appear on the screen, you must:

- ◆ Switch the television off by pressing the “Ⓜ” (On/Off) button on the front panel
- ◆ Unplug the television from the wall socket
- ◆ Leave the television power-off for about 30 minutes so that the automatic degauss function can be activated, and then press the “POWER” (Ⓜ) button on the remote control.



If your television will be left unattended, press the “Ⓜ” (On/Off) button to turn your television off.

Troubleshooting: Before Contacting Service Personnel

Before contacting Samsung after-sales service, perform the following simple checks.

If you cannot solve the problem using the instructions below, note the model and serial number of the television and contact your local dealer.

No sound or picture	<ul style="list-style-type: none">◆ Check that the mains lead has been connected to a wall socket.◆ Check that you have pressed the “Ⓜ” (On/Off) button and the POWER (Ⓜ) button.◆ Check the picture contrast and brightness settings.◆ Check the volume.
Normal picture but no sound	<ul style="list-style-type: none">◆ Check the volume.◆ Check whether the MUTE button on the remote control has been pressed.
No picture or black and white picture	<ul style="list-style-type: none">◆ Adjust the colour settings.◆ Check that the broadcast system selected is correct.
Sound and picture interference	<ul style="list-style-type: none">◆ Try to identify the electrical appliance that is affecting the television, then move it further away.◆ Plug your television into a different mains socket.
Blurred or snowy picture, distorted sound	<ul style="list-style-type: none">◆ Check the direction, location and connections of your aerial. This interference often occurs due to the use of an indoor aerial.
Digital Text does not appear	<ul style="list-style-type: none">◆ Check if Digital Text is enabled in the Preference menu. (Change to Enable if it is set to Disable)
Remote control malfunctions	<ul style="list-style-type: none">◆ Replace the remote control batteries.◆ Clean the upper edge of the remote control (transmission window).◆ Check the battery terminals.

Wiring the Mains Power Supply Plug (UK Only)

ENG

IMPORTANT NOTICE

The mains lead on this equipment is supplied with a moulded plug incorporating a fuse. The value of the fuse is indicated on the pin face of the plug and, if it requires replacing, a fuse approved to BS1362 of the same rating must be used.

Never use the plug with the fuse cover omitted if the cover is detachable. If a replacement fuse cover is required, it must be of the same colour as the pin face of the plug. Replacement covers are available from your dealer. If the fitted plug is not suitable for the power points in your house or the cable is not long enough to reach a power point, you should obtain a suitable safety approved extension lead or consult your dealer for assistance. However, if there is no alternative to cut off the plug, remove the fuse and then safely dispose of the plug. Do NOT connect the plug to a mains socket as there is a risk of shock hazard from the bared flexible cord.

IMPORTANT

The wires in the mains lead are coloured in accordance with the following code:

BLUE - NEUTRAL BROWN - LIVE

As these colours may not correspond to the coloured markings identifying the terminals in your plug, proceed as follows:

The wire coloured BLUE must be connected to the terminal marked with the letter N or coloured BLUE or BLACK. The wire coloured BROWN must be connected to the terminal marked with the letter L or coloured BROWN or RED.

WARNING: DO NOT CONNECT EITHER WIRE TO THE EARTH TERMINAL, WHICH IS MARKED WITH THE LETTER E OR BY THE EARTH SYMBOL \perp , OR COLOURED GREEN OR GREEN AND YELLOW.



EUROPEAN NOTICE

Products with the CE marking comply with the EMC Directive (89/336/EEC), (92/31/EEC), (93/68/EEC) and the Low Voltage Directive (73/23/EEC) issued by the Commission of the European Community. Compliance with these directives implies conformity to the following European Norms:

- **EN55013:1990+A12:1994+A13:1996+A14:1999**
Radio Frequency Interference
- **EN55020:1994+A11:1996+A12/A13/A14:1999**
Electromagnetic Immunity
- **EN61000-3-2:1995+A1/A2:1998**
Power Line Harmonics
- **EN61000-3-3:1995**
Voltage Fluctuations
- **EN60065:1998**
Product Safety

– AFTER SALES SERVICE

- Do not hesitate to contact your retailer or service agent if a change in the performance of your product indicates that a faulty condition may be present.

